

جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aummulium anve 11  | <del>ijoi matton</del> |                                     |            |                        |          |                       |
|---|------------------------|-------------------------------------|------------|------------------------|----------|-----------------------|
| Course Title I  | luid Mechan            | ics                                 |            |                        | Code     | <b>MPE127</b>         |
| Department offering the course Mechanical power Eng. Level First year |                        |                                     | First year |                        |          |                       |
| Programme on whic   | h the course is        | giver                               | n B.Sc in  | Electrical.            | Eng.     |                       |
| Department(s) offer   | ing the progra         | mme                                 |            | Mech Power. Eng. Dept. |          |                       |
| Academic year   | 2013 /20 1             | 4                                   | AD         | Semester               | ( )Firs  | t, $(\sqrt{)}$ Second |
| Start data 10/3   | /20 14 AD              |                                     | End date   | e                      | 30/5/2   | 2014                  |
| A street torrest to seems   | Lecture                | $T\iota$                            | ıtorial    | Lab.                   |          | Total                 |
| Actual taught hours   | 2                      | 1                                   |            | 1                      | 4        |                       |
| Are there any differe   | ence between ti        | hese f                              | igures an  | d those spec           | ified?   |                       |
| ( )Yes, ( $\sqrt{}$ ) No.   | o. , If yes, plea      | se giv                              | e the reas | sons:                  |          |                       |
| 1)  |                        |                                     |            |                        |          |                       |
| 2)  |                        |                                     |            |                        |          |                       |
| 3)  |                        |                                     |            |                        |          |                       |
| Names of Lectures contributing to 1) Ass. Prof. Dr. Essam M. A. Wahba |                        |                                     |            |                        |          |                       |
| the delivery of the co  | U                      | 2)                                  |            |                        |          |                       |
| ine delivery of the ed  | ourse.                 | 3)                                  |            |                        |          |                       |
| Members of course   | examination            | 1)                                  | Prof. Di   | . Mostafa N            | aser Mol | hammed                |
| Commilee.   |                        | 2) Ass. Prof. Dr. Essam M. A. Wahba |            |                        |          |                       |
|   |                        | 3) Dr. Abdel Fatah Mahrous          |            |                        |          |                       |
| Dates of meeting of course examination committee. / / 2014            |                        |                                     |            |                        |          |                       |
| Course coordinator Ass. Prof. Dr. Essam M. A. Wahba                   |                        |                                     |            |                        |          |                       |
| External evaluator  | Prof Dr. G             | alal K                              | Rabiea     |                        |          |                       |

| D) Diansiic                         | w 11.   | <i></i> |           |                                       |           |           |          |            |          |      |      |
|-------------------------------------|---------|---------|-----------|---------------------------------------|-----------|-----------|----------|------------|----------|------|------|
| No. of students starting the course |         |         |           | No. of students completing the course |           |           |          |            |          |      |      |
|                                     |         | 148     |           |                                       |           |           |          | 148        |          |      |      |
| Dogulta of                          |         |         | donta     | Daggad                                | , No      | . 142     |          | Failed     | No.      | 6    |      |
| Results of o                        | готріє  | eung su | iaenis    | Passed                                | <u>%</u>  | 95.93     | 5        | Failea     | <b>%</b> | 4.05 |      |
|                                     |         | Grad    | ding of d | completi                              | ng sti    | udents (o | f tota   | al pass)   |          |      |      |
| Excellent                           | No.     | 3       | Very      | No.                                   | <i>15</i> | Good      | No       | . 54       | Pass     | No.  | 70   |
| Excellent                           | %       | 2.3     | Good      | %                                     | 10.1      | Good      | <b>%</b> | 36.5       | - I ass  | %    | 47.3 |
| Are the gra                         | ides ac | cceptab | le? (√    | ) Yes, (                              | ' ) N     | o. If no  | , ple    | ase give i | the reas | ons. |      |
| 1)                                  |         | •       | ,         | , ,                                   | ŕ         | v         | •        |            |          |      |      |
| 2)                                  |         |         |           |                                       |           |           |          |            |          |      |      |
| 3)                                  |         |         |           |                                       |           |           |          |            |          |      |      |
|                                     |         |         |           |                                       |           |           |          |            |          |      |      |



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| Topics taught as a percentage of those specified: $(\sqrt{\ })$ 100 % $(\ )$ < 100% If the percentage is less than 100%, please give reasons for not teaching any topic: |
|--|
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| J  |
| 1)   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught.   |
| 1)   |
| 2) NON   |
| 3)   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 15   | 10         |
| Oral examination                    | 30   | 20         |
| Practical / Laboratory examination. | 5    | 3.33       |
| Semester work                       | 10   | 6.67       |
| Other types of assessment           |      |            |
| Total                               | 150  | 100 %      |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |              |                            |              |  |
|---|--------------|----------------------------|--------------|--|
| Lectures  | $\checkmark$ | Work Shop                  |              |  |
| Practical Training  | $\checkmark$ | Class activity             | $\checkmark$ |  |
| Laboratory  | $\checkmark$ | Case Study                 |              |  |
| Seminar   | -            | Other assignments/homework | $\sqrt{}$    |  |

| 4) Facilities and Teaching Materials : please check $$ |           |                     |      |                        |
|--|-----------|---------------------|------|------------------------|
| Totally adequate                                       |           |                     |      |                        |
| Adequate to some extent                                |           |                     |      |                        |
| Inadequate   |           |                     |      |                        |
| Reas   | ons of y  | vour choice: please | chec | k                      |
| ( )academic staff                                      | ()no      | n- academic staff   | ( )  | teaching accommodation |
| ( ) library  | ( $)$ $l$ | aboratories         | ( )  | IT facility            |
| <u> </u>   |           | ·                   |      | <u> </u>               |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |
|                                 |                         |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |
|--|-----------------------------|---------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |
|  |                             |         |  |  |
|  |                             |         |  |  |
|  |                             |         |  |  |

| 9) Action Plan For Academic Year | · 2013 /2014 AD |                    |
|----------------------------------|-----------------|--------------------|
| Action required                  | Completion date | Person responsible |
|                                  |                 |                    |
|                                  |                 |                    |
|                                  |                 |                    |

| Course coordinator              | Signature |
|---------------------------------|-----------|
| Ass. Prof. Dr. Essam . M. Wahba |           |



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### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aaministrative In  | jormanon  |              |            |           |          |          |           |
|---|---|--------------|------------|-----------|----------|----------|-----------|
| Course Title T  | hermodynami   | ermodynamics |            |           |          | MPE1     | <b>28</b> |
| Department offering   | partment offering the course Mechanical power Eng.  |              |            |           |          | First 3  | year      |
| Programme on which the course is given B. Sc in   Elect   |   |              |            |           | ng.      |          |           |
| Department(s) offeria   | ng the progran  | nme          |            | Mechanica | al power | Eng.     |           |
| Academic year   | 2013 / 2014   | AL           | )          | Semester  | ( )First | t, (√)Se | econd     |
| Start data 10/3   | /2014 AD  |              | End date   | ,         | 30 /5    | 720 14   | AD        |
| A atual taught haung  | Lecture   | Tu           | ıtorial    | Lab.      |          | Total    |           |
| Actual taught hours   | 2   | 2            |            |           | 4        |          |           |
| ( )Yes, ( √ ) No<br>1)<br>2)<br>3)  | o. , If yes, pleas  | se giv       | e the reas | ons:      |          |          |           |
| · · · · · · · · · · · · · · · · · · ·   | Names of Lectures contributing to the delivery of the course.  1) Prof. Dr. Ali R. El ghalban Prof. Dr Fathy M. Mahfouz |              |            |           |          |          |           |
| Members of course examination committee.  1) Prof. Dr. Ali . R. Eli 2) Dr Fathy M. Mahf 3) Prof Dr . Taher I So |   |              |            |           | uz,      |          |           |
| Dates of meeting of o   | Dates of meeting of course examination committee. / / 2014  |              |            |           |          |          |           |
| Course coordinator Prof. Dr. Ali . R. El ghalban – Prof. Dr Fathy M. Mahfouz                                    |   |              |            |           |          |          |           |
| External evaluator  | Prof Dr. Ga   | ılal R       | abiea -    |           |          |          |           |

| No. of students starting the course            |                 |     | No. of students completing the course |       |          |                  |             |          |    |
|--|-----------------|-----|---------------------------------------|-------|----------|------------------|-------------|----------|----|
| 155  |                 |     | 155                                   |       |          |                  |             |          |    |
| Results of completing students                 | students Passed |     | No. 145                               |       | Failed   | No.              | 10          |          |    |
| Results of completing students                 | 1 usseu         | 9   | <b>%</b> 93.6                         |       | ranea    | <b>%</b>         | <b>6.</b> 4 | <b>!</b> |    |
| Grading of completing students (of total pass) |                 |     |                                       |       |          |                  |             |          |    |
| Excellent No. 19 Very                          | No.             | 29  | Good                                  |       | No.      | 48 <sub>Po</sub> | Pass        | No.      | 49 |
| % 12 Good                                      | %               | 18  | Ju                                    | ou    | <b>%</b> | 30               | 1 ass       | %        | 31 |
| Are the grades acceptable? (                   | ) Yes, (        | ) N | <i>lo.</i>                            | If no | , plea   | se give th       | he reas     | ons.     |    |
| 1)   |                 |     |                                       |       |          |                  |             |          |    |
| 2)   |                 |     |                                       |       |          |                  |             |          |    |
| 3)   |                 |     |                                       |       |          |                  |             |          |    |



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| C) Professional Information  | n  |            |                                       |            |  |  |
|--|--|------------|---------------------------------------|------------|--|--|
| 1) Course teaching   |  |            |                                       |            |  |  |
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |  |            |                                       |            |  |  |
|  | If the percentage is less than 100%, please give reasons for not teaching any topic: |            |                                       |            |  |  |
| 1)   | •  |            |                                       |            |  |  |
| 2)   |  |            |                                       |            |  |  |
| 3)   | 3)   |            |                                       |            |  |  |
| Referring to the course specification, please list any ILO's specified but not taught. |  |            |                                       |            |  |  |
| 1)   |  |            |                                       |            |  |  |
| 2)   |  |            |                                       |            |  |  |
| 3)   |  |            |                                       |            |  |  |
|  |  |            |                                       |            |  |  |
| 2) Student assessment  |  |            | 1                                     |            |  |  |
| Method of assessm  | nent   | mark       | % of total                            | al         |  |  |
| Final term examination   |  | 70         | 70                                    |            |  |  |
| Mid term examination   |  | 20         | 20                                    |            |  |  |
| Oral examination   |  |            |                                       |            |  |  |
| Practical / Laboratory exam  | ination.   |            |                                       |            |  |  |
| Semester work  |  | 10         | 10                                    |            |  |  |
| Other types of assessment  |  |            |                                       |            |  |  |
| Total  |  | 100        | 100 %                                 |            |  |  |
|  |  |            |                                       |            |  |  |
| 3) Teaching and Learning N   | <i>Methods</i> : ( ple   | ease check | $\sqrt{\text{or }X}$                  |            |  |  |
| Lectures $\sqrt{}$   |  | Work Sho   | p                                     |            |  |  |
| Practical Training   |  | Class acti | ivity                                 |            |  |  |
| Laboratory   |  | Case Stud  | ly                                    |            |  |  |
| Seminar  |  | Other ass  | ignments/homework                     | V          |  |  |
| -  |  |            |                                       |            |  |  |
| 4) Facilities and Teaching M   | Aaterials : ple  | ase check  |                                       |            |  |  |
| Totally adequate   |  |            |                                       |            |  |  |
| Adequate to some extent  | V  |            |                                       |            |  |  |
| Inadequate   |  |            |                                       |            |  |  |
| Reas   | ons of your ch   | oice: plea | se check √                            |            |  |  |
| ( )academic staff  |  | demic staf |                                       | ommodation |  |  |
| ( ) library  | $(\sqrt{})$ laborato   |            | ( ) IT facility                       |            |  |  |
|  |  |            | · · · · · · · · · · · · · · · · · · · |            |  |  |
| 5) Administrative Constrain  |  |            |                                       |            |  |  |



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| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |
|                                 |                         |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |
|--|-----------------------------|---------|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |
|  |                             |         |  |  |  |
|  |                             |         |  |  |  |
|  |                             |         |  |  |  |

| 9) Action Plan For Academic Year 2013 /2014 AD |                 |                    |  |  |  |  |
|--|-----------------|--------------------|--|--|--|--|
| Action required                                | Completion date | Person responsible |  |  |  |  |
|  |                 |                    |  |  |  |  |
|  |                 |                    |  |  |  |  |
|  |                 |                    |  |  |  |  |

Course coordinator Signature

Prof. Dr. Ali R. El ghalban Prof. Dr Fathy M. Mahfouz



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aaministrative Inj  | ormanon  |        |               |           |           |                         |
|--|--|--------|---------------|-----------|-----------|-------------------------|
| Course Title Me  | chanical En  | gineer | ring          |           | Code      | MPE 129                 |
| Department offering t  | he course  | Mecha  | anical pow    | ver Eng.  | Level     | 1 <sup>st</sup> year    |
| Programme on which the course is given B. Sc in   Civil Eng.   |  |        |               |           |           |                         |
| Department(s) offerin  | g the progra   | mme    |               | Mech. Pov | ver Eng.  |                         |
| Academic year 2  | 013 / 2014   | A      | D             | Semester  | ( )Firs   | t, $(\sqrt{\ })$ Second |
| Start data 10 / 3  | /2014 AD   |        | End date      | ı         | 30 /5 /20 | 0 14 <i>AD</i>          |
| A -4 1-4 1   | Lecture  | Tu     | torial        | Lab.      |           | Total                   |
| Actual taught hours  | 2  | 1      |               | _         | 3         |                         |
| ( )Yes, ( √ ) No.<br>1)<br>2)<br>3)  | , ij yes, pied   |        |               |           |           |                         |
| v v  | Names of Lectures contributing to the delivery of the course.  1) Ass. Prof. Dr. Essam M. A. Wahba 2) 3) |        |               |           |           |                         |
| Members of course examination committee.  1) Ass. Prof. Dr. Essam M. A. Wahba 2) Prof. Dr. Taher I. Sabry 3) Prof. Dr. Ahmad S. Hegazy |  |        |               |           | Vahba     |                         |
| Dates of meeting of course examination committee. / / 2014   |  |        |               |           |           |                         |
| Course coordinator Ass. Prof. Dr. Essam M. A. Wahba  |  |        |               |           |           |                         |
| External evaluator   | Prof.Dr. G   | alal R | <i>Pabiea</i> |           |           |                         |

| No. of students starting the course    |  |               | No. of students completing the course |          |           |          |        |       |
|--|--|---------------|---------------------------------------|----------|-----------|----------|--------|-------|
| 153                                    |  |               | 152                                   |          |           |          |        |       |
| Results of completing students         | Passed   | No.           | <i>13</i> :                           | 5        | Failed    | No.      | . 12   | 7     |
| Results of completing students         | 1 usscu  | <b>%</b>      | 88.                                   | .8       | 1 anca    | <b>%</b> | 1      | 1.2   |
| Grading of o                           | Grading of completing students (of total pass) |               |                                       |          |           |          |        |       |
| Excellent No. 11 Very                  | No. 20   | Go            | Good                                  |          | 48        | Pass     | No.    | 56    |
| % 7.3 Good                             | <b>%</b> 13.2                                  | 2             | vu                                    | <b>%</b> | 31.6      | 1 ass    | %      | 36.84 |
| Are the grades acceptable? ( $^{\vee}$ | ) Yes, (                                       | ) <i>No</i> . | If r                                  | 10, ple  | ease give | the re   | easons | •     |
| 1)                                     |  |               |                                       |          |           |          |        |       |
| 2)                                     |  |               |                                       |          |           |          |        |       |
| 3)                                     |  |               |                                       |          |           |          |        |       |



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| $\boldsymbol{C}$               | Pro           | fess | iona  | lIn | ıfor  | mation |
|--------------------------------|---------------|------|-------|-----|-------|--------|
| $\boldsymbol{\mathcal{C}}_{J}$ | <b>1</b> 1 0, |      | voiva |     | ., o. | manon  |

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1)   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2)   |
| 3)   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 50   | 67         |
| Mid term examination                | 15   | 20         |
| Oral examination                    |      |            |
| Practical / Laboratory examination. |      |            |
| Semester work                       | 10   | 13         |
| Other types of assessment           |      |            |
| Total                               | 75   | 100 %      |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |           |                            |           |  |  |  |
|---|-----------|----------------------------|-----------|--|--|--|
| Lectures  |           | Work Shop                  |           |  |  |  |
| Practical Training  |           | Class activity             | $\sqrt{}$ |  |  |  |
| Laboratory  | $\sqrt{}$ | Case Study                 | $\sqrt{}$ |  |  |  |
| Seminar   |           | Other assignments/homework | V         |  |  |  |

| 4) Facilities and Teaching M | Aaterials : please check <sup>-</sup> | $\sqrt{}$                 |
|------------------------------|---------------------------------------|---------------------------|
| Totally adequate             |                                       |                           |
| Adequate to some extent      |                                       |                           |
| Inadequate                   |                                       |                           |
| Reas                         | ons of your choice: pleas             | e check √                 |
| ( )academic staff            | ()non-academic staff                  | ( )teaching accommodation |
| ( ) library                  | ( ) laboratories                      | ( ) IT facility           |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |  |  |
|--|-----------------------------|---------|--|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |  |  |
|  |                             |         |  |  |  |  |  |
|  |                             |         |  |  |  |  |  |
|  |                             |         |  |  |  |  |  |

| 9) Action Plan For Academic Year | 2013/2014 AD    |                    |
|----------------------------------|-----------------|--------------------|
| Action required                  | Completion date | Person responsible |
|                                  |                 |                    |
|                                  |                 |                    |
|                                  |                 |                    |

Course coordinator Signature



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### ANNUAL COURSE REPORT

A) Administrative Information

| <u>A) Aaministrative II</u>  | ijormanon  |  |          |          |                              |           |    |  |
|--|--|--|----------|----------|------------------------------|-----------|----|--|
| Course Title T   | hermodynamio   | cs -   |          | Code     | <b>MPE 2</b> .               | <i>13</i> |    |  |
| Department offering  | the course 1   | he course   Mechanical power Eng.   Level   2 <sup>nd</sup> year |          |          |                              |           |    |  |
| Programme on which the course is given B. Sc in   Prod. & Design Eng.  |  |  |          |          |                              |           |    |  |
| Department(s) offering the programme Mech Power. Eng. Dept.  |  |  |          |          |                              |           |    |  |
| Academic year  | 2013 / 2014  | P  | AD       | Semester | $(\sqrt{)}$ First, ( )Second |           |    |  |
| Start date 1/10  | /2013 AD   |  | End date |          | 25 /12                       | /20 13    | AD |  |
| A -41 4 1-4 1  | Lecture  | T  | utorial  | Lab.     |                              | Total     |    |  |
| Actual taught hours  | 2  | 2  |          | 0        | 4                            |           |    |  |
| 1)<br>2)<br>3)   |  | -<br>-   |          |          |                              |           |    |  |
| Names of Lectures contributing to the delivery of the course.  1) Ass. Prof. Dr. Essam M. A. Wahba 2) 3)                           |  |  |          |          |                              |           |    |  |
| Members of course examination committee.  1) Prof. Dr. Nabiel Hanafy 2) Ass. Prof. Dr. Essam M. A. Wahba 3) Dr. Mostafa Gad El Rab |  |  |          |          |                              |           |    |  |
| Dates of meeting of  | Dates of meeting of course examination committee. / / 2014 |  |          |          |                              |           |    |  |
| Course coordinator Ass. Prof. Dr. Essam M. A. Wahba  |  |  |          |          |                              |           |    |  |
| External evaluator Prof Dr. Galal Rabiea   |  |  |          |          |                              |           |    |  |

| No. of students starting the course            |  |        |          |          | No. of students completing the course |          |       |               |          |           |     |      |
|--|--|--------|----------|----------|---------------------------------------|----------|-------|---------------|----------|-----------|-----|------|
| 150  |  |        |          |          | 150                                   |          |       |               |          |           |     |      |
| Results of completing students                 |  | Date   | Passed - |          | 1                                     | 14       | Faile | No.           |          | <i>36</i> |     |      |
| Kesuus oj (                                    | compi  | eung . | siuaenis | ras      | sea                                   | <u>%</u> |       | <del>76</del> | rane     | 9/        | ó   | 24   |
| Grading of completing students (of total pass) |  |        |          |          |                                       |          |       |               |          |           |     |      |
| Excellent                                      | No.  | 2      | Very     | No.      | 18                                    | 10       |       | Good No.      |          | Pass      | No. | 55   |
| Excellent                                      | <b>%</b>   | 1.3    | Good     | <b>%</b> | 12                                    |          | Good  |               | 33<br>22 | - I uss   | %   | 64.7 |
| Are the gro                                    | Are the grades acceptable? ( $$ ) Yes, ( $)$ ) No. If no, please give the reasons. |        |          |          |                                       |          |       |               |          |           |     |      |
| 1)   |  |        |          |          |                                       |          |       |               |          |           |     |      |
| 2)   |  |        |          |          |                                       |          |       |               |          |           |     |      |
| 3)   |  |        |          |          |                                       |          |       |               |          |           |     |      |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 70   | 70         |
| Mid term examination                | 10   | 10         |
| Oral examination                    |      |            |
| Practical / Laboratory examination. |      |            |
| Semester work                       | 10   | 10         |
| Other types of assessment           | 10   | 10         |
| Total                               | 100  | 100 %      |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |              |                            |           |  |
|---|--------------|----------------------------|-----------|--|
| Lectures  | $\checkmark$ | Work Shop                  |           |  |
| Practical Training  | $\sqrt{}$    | Class activity             |           |  |
| Laboratory  | $\sqrt{}$    | Case Study                 |           |  |
| Seminar   |              | Other assignments/homework | $\sqrt{}$ |  |

| 4) Facilities and Teaching M | <i>lateria</i>             | ls : please check $$ |                           |
|------------------------------|----------------------------|----------------------|---------------------------|
| Totally adequate             |                            |                      |                           |
| Adequate to some extent      | $\sqrt{}$                  |                      |                           |
| Inadequate                   |                            |                      |                           |
| Reas                         | ons of y                   | vour choice: please  | check √                   |
| ( )academic staff            | ()nor                      | ı- academic staff    | ( )teaching accommodation |
| ( ) library                  | $(\sqrt{\ })$ laboratories |                      | ( ) IT facility           |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



# جامعة المنوفية كلية الهندسة بشبين الكوم

|  |                | - C                      | C C T               |
|--|----------------|--------------------------|---------------------|
|  | 1)<br>2)<br>3) | Comments                 | of Course Team      |
| 7) Comment For External Evalua  1) 2)                              | tor(s)         | 1)<br>2)                 | ents of Course Team |
| 8) Course Enhancement Progress on actions identified in the Action |                | ious year's actio        | n plan:<br>Reasons  |
| 9) Action Plan For Academic Year<br>Action required                |                | 2014 AD<br>mpletion date | Person responsible  |
| Course coordinator  Ass. Prof. Dr. Essam M. A. Wahb                | oa             |                          | Signature           |
|  |                | Date                     | / / 2014            |



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative In   | yormanon         |                |               |                         |          |                      |
|--|------------------|----------------|---------------|-------------------------|----------|----------------------|
| Course Title He  | eat Engines      |                |               |                         | Code     | MEP227A              |
| Department offering  | the course N     | 1echa          | anical pe     | ower Eng.               | Level    | 2 <sup>nd</sup> year |
| Program on which t   | he course is gi  | ven E          | 3. Sc in      | Electrical              | Eng.     |                      |
| Department(s) offeri   | ng the progran   | n              |               | Mechanica               | al power | r Eng.               |
| Academic year  | 2013/2014        | AD             | )             | Semester                | ( )Fin   | rst, $()$ Second     |
| Start date 10/3/   | /2014            |                | End do        | ite                     | 30/5/20  | 014                  |
| A atual taught houng   | Lecture          | Tu             | ıtorial       | Lab.                    |          | Total                |
| Actual taught hours  | 3                |                | 2             | 1                       |          | 6                    |
| ( ) Yes, (√ ) No.<br>1)<br>2)<br>3)  | , if yes, piease | e give         | e ine rea     | sons:                   |          |                      |
| Names of Lectures co   | O                | 1)<br>2)<br>3) | •             | Or. Moham<br>umdy K. Mo |          | <i>abib</i>          |
| Members of course examination committee.  1) Prof. Dr. Mohamed Abd El-Warth Habib 2) Dr. Hamdy Kotb Mostafa 3) |                  |                |               |                         |          |                      |
| Dates of meeting of o  | course examina   | ation          | committ       | ee. /                   | / 2014   | !                    |
| Course coordinators  | Prof. Dr. M      | ohan           | ned A. I      | Habib & Di              | r. Hamd  | ly K. Mostafa        |
| External evaluator   | Prof Dr. Ga      | ılal R         | <i>Pabiea</i> |                         |          |                      |

| No. of students starting the course   |               | No       | No. of students completing the course |             |          |        |  |
|---------------------------------------|---------------|----------|---------------------------------------|-------------|----------|--------|--|
| 85                                    |               |          |                                       | 85          |          |        |  |
| Results of completing students   Pass |               | No.      | No. 77 Failed                         |             | No.      | 8      |  |
| Results of completing students        | 1 assea       | <b>%</b> | <i>90.6</i>                           | 1 anca      | <b>%</b> | 9.4    |  |
| Grading of o                          | completing    | g stude  | ents (of to                           | tal pass)   |          |        |  |
| Excellent No. 23 Very                 | <i>No.</i> 18 | God      | No.                                   | 17          | Pass N   | o. 19  |  |
|                                       | % 23.4        | 1        | <i>%</i>                              | 22          | ass -    | % 24.7 |  |
| Are the grades acceptable? ( $$       | ) Yes, ( )    | No.      | If no, plea                           | ise give th | he reaso | ons.   |  |
| 1)                                    |               |          |                                       |             |          |        |  |
| 2)                                    |               |          |                                       |             |          |        |  |
| 3)                                    |               |          |                                       |             |          |        |  |



جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( ) $100\%$ ( $\sqrt{}$ ) < $100\%$  |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1) There is no lab for heat engines applications.                                      |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2) NON   |
| 3)   |

| 2) Student assessment                      |      |            |  |  |  |
|--|------|------------|--|--|--|
| Method of assessment                       | Mark | % of total |  |  |  |
| Final Examination (written)                | 90   | 60 %       |  |  |  |
| End of term assessment (Oral)              | 15   | 10 %       |  |  |  |
| End of term laboratory examination (Lab)   | 15   | 10 %       |  |  |  |
| Mid term written Examination (Term Work)   | 18   | 12 %       |  |  |  |
| Tutorial and report assessment (Term Work) | 12   | 8 %        |  |  |  |
| Total                                      | 150  | 100 %      |  |  |  |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |  |                            |  |  |
|---|--|----------------------------|--|--|
| Lectures  |  | Work Shop                  |  |  |
| Practical Training  |  | Class activity             |  |  |
| Laboratory  |  | Case Study                 |  |  |
| Seminar   |  | Other assignments/homework |  |  |

| 4) Facilities and Teaching M | <i>lateria</i>   | ls : please check √ |           |                         |
|------------------------------|------------------|---------------------|-----------|-------------------------|
| Totally adequate             |                  |                     |           |                         |
| Adequate to some extent      |                  |                     |           |                         |
| Inadequate                   |                  |                     |           |                         |
| Reas                         | ons of y         | vour choice: please | che       | eck $\sqrt{}$           |
| ( )academic staff            | $(\sqrt{V})$ no  | on- academic staff  | (1        | )teaching accommodation |
| ( $$ ) library               | $(\sqrt{t})$ lat | boratories          | $\sqrt{}$ | ) IT facility           |

| 5) Administrative Constrain |  |
|-----------------------------|--|



### جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |
|--|-----------------------------|---------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |
|  |                             |         |  |  |
|  |                             |         |  |  |
|  |                             |         |  |  |

| 9) Action Plan For Academic Year 2013/2014 AD |                 |                    |  |  |  |  |
|---|-----------------|--------------------|--|--|--|--|
| Action required                               | Completion date | Person responsible |  |  |  |  |
|   |                 |                    |  |  |  |  |
|   |                 |                    |  |  |  |  |
|   |                 |                    |  |  |  |  |

Course coordinators Signature

Prof. Dr. Mohamed Abd El-Warth Habib
Dr. Hamdy Kotb Mostafa



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aaminisiraiive In   | A) Administrative Information                                   |                                   |         |          |        |           |         |
|--|---|-----------------------------------|---------|----------|--------|-----------|---------|
| Course Title Hy  | draulic Macl  | raulic Machines   Code   MPE 227B |         |          |        |           | E 227B  |
| Department offering  | g the course Mechanical power Eng. Level 2 <sup>nd</sup> year   |                                   |         |          |        | ear       |         |
| Programme on which   | Programme on which the course is given B. Sc   Electrical. Eng. |                                   |         |          |        |           |         |
| Department(s) offerin  | ng the progra   | тте                               |         | Mechanic | al pov | ver Eng.  |         |
| Academic year  | 2013 / 2014   | ! A                               | AD      | Semester | ()     | First, (√ | )Second |
| Start data 10/3/   | 2014 AD   |                                   | End do  | ite      | 30     | /5 /20 14 | - AD    |
| A atrial tarial to be a cons   | Lecture   | Tu                                | ıtorial | Lab.     |        | 7         | Total   |
| Actual taught hours  | 3   | 2                                 |         | 1        |        | 6         |         |
| Are there any different $($ $)$ Yes, $($ $$ $)$ No $($ $1$ $)$ $($ |   | v                                 | 0       | •        | cogre  | <b>.</b>  |         |
| Names of Lectures contributing to the delivery of the course.  1) Dr. Ahmed Rafat 2) Dr. Ismail M. Sakr 3)   |   |                                   |         |          |        |           |         |
| Members of course examination committee.  1) Prof. Dr. Sobieh M. Seliem 2) Dr. Ahmed Rafat 3) Dr. Ismail M. Sakr   |   |                                   |         |          |        |           |         |
| Dates of meeting of course examination committee. / / 2014   |   |                                   |         |          |        |           |         |
| Course coordinator   | Course coordinator Dr. Ahmed Rafat & Dr. Ismail M. Sakr         |                                   |         |          |        |           |         |
| External evaluator Prof Dr. Galal Rabiea   |   |                                   |         |          |        |           |         |

| D) Diansin                                     | <u>- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u> | 0.1.1.1.1.1.1 |                                       |                   |      |             |           |         |          |         |        |      |
|--|---|---------------|---------------------------------------|-------------------|------|-------------|-----------|---------|----------|---------|--------|------|
| No. of students starting the course            |   |               | No. of students completing the course |                   |      |             |           |         |          |         |        |      |
|  |   | 130           | -                                     |                   |      |             |           |         | 130      |         |        |      |
| Results of completing students                 |   | Pas           | and                                   | No. 120 Failed No |      | No.         | <i>10</i> |         |          |         |        |      |
| Results of C                                   | compi   | eung s        | iuaenis                               | ras               | sea  | % 92.3 Faue |           | Ганеа   | <b>%</b> | 7.7     | ,      |      |
| Grading of completing students (of total pass) |   |               |                                       |                   |      |             |           |         |          |         |        |      |
| Excellent                                      | No.   | 2             | Very                                  | No.               | 16   | Good        | od        | No.     | 34       | Pass    | No.    | 68   |
| Excellent                                      | <b>%</b>                                      | 1.54          | Good                                  | %                 | 12.3 |             | ou        | %       | 26.15    | 1 ass   | %      | 52.3 |
| Are the gra                                    | ides a  | ccepta        | ble? ( ¹                              | $\sqrt{\ ) \ Ye}$ | s, ( | No.         | If r      | io, ple | ase give | the red | isons. |      |
| 1)   |   | -             |                                       |                   |      |             |           | -       |          |         |        |      |
| 2)   |   |               |                                       |                   |      |             |           |         |          |         |        |      |
| 3)   |   |               |                                       |                   |      |             |           |         |          |         |        |      |



جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| $ 1\rangle$  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| $ 1\rangle$  |
| 2)   |
| 3)   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 15   | 10         |
| Oral examination                    | 15   | 10         |
| Practical / Laboratory examination. | 10   | 0.067      |
| Semester work                       | 10   | 0.067      |
| Other types of assessment           | 10   | 0.067      |
| Total                               | 150  | 100 %      |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |              |                            |   |  |  |
|---|--------------|----------------------------|---|--|--|
| Lectures  | $\checkmark$ | Work Shop                  |   |  |  |
| Practical Training  | $\sqrt{}$    | Class activity             |   |  |  |
| Laboratory  | $\sqrt{}$    | Case Study                 |   |  |  |
| Seminar   |              | Other assignments/homework | V |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                  |                     |                           |  |  |  |
|--|------------------|---------------------|---------------------------|--|--|--|
| Totally adequate                                       |                  |                     |                           |  |  |  |
| Adequate to some extent                                | $\sqrt{}$        |                     |                           |  |  |  |
| Inadequate   |                  |                     |                           |  |  |  |
| Reas   | ons of y         | vour choice: please | check √                   |  |  |  |
| ( )academic staff                                      | ()nor            | n- academic staff   | ( )teaching accommodation |  |  |  |
| ( ) library  | $(\sqrt{\ })$ la | boratories          | ( ) IT facility           |  |  |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |
|--|-----------------------------|---------|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |
|  |                             |         |  |  |  |
|  |                             |         |  |  |  |
|  |                             |         |  |  |  |

| 9) Action Plan For Academic Year | 2013/2014 AD    |                    |
|----------------------------------|-----------------|--------------------|
| Action required                  | Completion date | Person responsible |
|                                  |                 |                    |
|                                  |                 |                    |
|                                  |                 |                    |

Course coordinator Signature

| Dr. Ahmed Rafat    |  |
|--------------------|--|
| Dr. Ismail M. Sakr |  |



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aumminum anve I  | tjer mututen  |        |            |                              |                              |  |  |
|---|---|--------|------------|------------------------------|------------------------------|--|--|
| Course Title F  | Course Title Fluid Mechanics  |        |            | <i>Code</i>   <i>MPE</i> 228 |                              |  |  |
| Department offering   | Department offering the course Mechanical power Eng. Level 2 <sup>rd</sup> Year |        |            |                              |                              |  |  |
| Programme on which  | ch the course is  | giver  | n B. Sc in | Prod. & De                   | esign Eng.                   |  |  |
| Department(s) offer   | ing the prograi   | mme    |            | Mech Powe                    | er. Eng. Dept.               |  |  |
| Academic year   | 2013 / 2014   | A      | D          | Semester                     | ( )First, $(\sqrt{)}$ Second |  |  |
| Start data 10/  | 3 /2014 AD  |        | End date   | ę                            | 30 /5 /20 14 AD              |  |  |
| A at 1 t 1 t  | Lecture   | Tı     | ıtorial    | Lab.                         | Total                        |  |  |
| Actual taught hours   | 2   | 2      |            | 2                            | 6                            |  |  |
| Are there any differ  | ence between th   | hese f | igures an  | d those specifi              | ied?                         |  |  |
| 1)<br>2)  | ( )Yes, ( $\sqrt{}$ ) No. , If yes, please give the reasons: 1) 2)              |        |            |                              |                              |  |  |
| Names of Lectures contributing to the delivery of the course.  1) Prof. Dr. Mostafa N. M. Nasr Dr. Ismail M. Sakr 3)    |   |        |            |                              |                              |  |  |
| Members of course examination committee.  1) Prof. Dr. Mostafa Nasr 2) Prof. Dr. Wageeh El-Askary 3) Dr. Ismail M. Sakr |   |        |            |                              |                              |  |  |
| Dates of meeting of course examination committee. / / 2014  |   |        |            |                              |                              |  |  |
|   | Course coordinator Prof. Dr. Mostafa N. M. Nasr& Dr. Ismail M. Sakr             |        |            |                              |                              |  |  |
| External evaluator Prof Dr. Galal Rabiea  |   |        |            |                              |                              |  |  |
|   |   |        |            |                              |                              |  |  |

| No. of students starting the course  |  | No. of students completing the course |           |                 |          |               |
|--|--|---------------------------------------|-----------|-----------------|----------|---------------|
| 138  |  |                                       |           | 138             |          |               |
| Results of completing students   | Passed   | No.                                   | 124       | Failed          | No.      | 14            |
| Results of completing students   | 1 assea  | <b>%</b>                              | <b>90</b> | Tunca           | <b>%</b> | 10            |
| Grading of c   | Grading of completing students (of total pass) |                                       |           |                 |          |               |
| Excellent No. 0 Very   | No. 6  | Go                                    | od No.    | 20 <sub>I</sub> | Pass N   | <i>lo.</i> 86 |
| % 0 Good   | % 4  | Go                                    | <i>%</i>  | 14.5            | uss      | % 62.3        |
| Are the grades acceptable? ( $$ ) Yes, ( $)$ No. If no, please give the reasons. |  |                                       |           |                 |          |               |
| 1)   |  |                                       |           |                 |          |               |
| 2)   |  |                                       |           |                 |          |               |
| 3)   |  |                                       |           |                 |          |               |



جامعة المنوفية كلية الهندسة بشبين الكوم

| / <b>J</b>  |
|---|
| 1) Course teaching  |
| Topics taught as a percentage of those specified: ( ) $100\%$ ( $\sqrt{\ }$ ) < $100\%$ |
| If the percentage is less than 100%, please give reasons for not teaching any topic:    |
| 1) Holidays   |
| 2) Lab.   |
| 3)  |
| Referring to the course specification, please list any ILO's specified but not taught.  |
| 1) C13-1 Setup conduct and interpret heat transfer experiments                          |
| 2)  |
| 3)  |
|   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 100  | 66.66      |
| Mid term examination                | 0    | 0          |
| Oral examination                    | 0    | 0          |
| Practical / Laboratory examination. | 15   | 10         |
| Semester work                       | 15   | 10         |
| Other types of assessment           | 20   | 13,40      |
| Total                               | 150  | 100        |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |           |  |
|---|-----------|----------------------------|-----------|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |           |  |
| Practical Training  |           | Class activity             | $\sqrt{}$ |  |
| Laboratory  | $\sqrt{}$ | Case Study                 | $\sqrt{}$ |  |
| Seminar   |           | Other assignments/homework |           |  |

| 4) Facilities and Teaching M | <i>laterial</i>  | ls : please check √ |                           |
|------------------------------|------------------|---------------------|---------------------------|
| Totally adequate             |                  |                     |                           |
| Adequate to some extent      | $\sqrt{}$        |                     |                           |
| Inadequate                   |                  |                     |                           |
| Reas                         | ons of y         | our choice: please  | check √                   |
| ( )academic staff            | ()non            | - academic staff    | ( )teaching accommodation |
| ( ) library                  | $(\sqrt{\ })$ la | boratories          | $(\sqrt{\ })$ IT facility |

| 5) Administrative Constrain |  |
|-----------------------------|--|



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | (3)                     |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |   |              |  |  |  |  |
|--|---|--------------|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |   |              |  |  |  |  |
| Action Completed $(\sqrt{or X})$ Reasons                           |   |              |  |  |  |  |
| Renewable Energy   | X | I don't know |  |  |  |  |
| Environment lab.   |   |              |  |  |  |  |
|  |   |              |  |  |  |  |

| 9) Action Plan For Academic Year 2013 /2014 AD |                 |                    |  |  |  |  |
|--|-----------------|--------------------|--|--|--|--|
| To repair some experimental setup              | Completion date | Course coordinator |  |  |  |  |
| - To develop it                                |                 | Dean of faculty    |  |  |  |  |
|  |                 |                    |  |  |  |  |
|  |                 |                    |  |  |  |  |

Course coordinator Sign

| Prof. Dr. Mostafa N. M. Nasr |  |
|------------------------------|--|
| Dr. Ismail M. Sakr           |  |



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative In   | yormaiion          |                |            |     |             |          |                      |       |
|--|--------------------|----------------|------------|-----|-------------|----------|----------------------|-------|
| Course Title M   | echanical pow      | er pl          | ants       |     |             | Code     | <b>MPE</b> 3         | 27 A  |
| Department offering  | the course   1     | Mecho          | anical po  | we  | r Eng.      | Level    | 3 <sup>rd</sup> year | r     |
| Programme on which   | h the course is    | giver          | n B. Sc in | ı   | Electric En | g.       |                      |       |
| Department(s) offeri   | ng the progran     | пте            |            |     | Mech Powe   | er. Eng. | Dept                 |       |
| Academic year  | 2013 / 2014        | A              | D          |     | Semester    | ()Firs   | st, $(\sqrt{)}Se$    | econd |
| Start data 10/3  | /2014 AD           |                | End dat    | te  |             | 30 /5    | /20 14               | AD    |
| A . 1 . 1 . 1  | Lecture            | Τι             | ıtorial    |     | Lab.        |          | Total                |       |
| Actual taught hours  | 2                  | 2              |            | -   |             | 4        |                      |       |
| ( )Yes, ( √ ) No<br>1)<br>2)<br>3)   | o. , If yes, pleas | se giv         | e the rea  | SOY | is:         |          |                      |       |
| Names of Lectures co<br>the delivery of the co   |                    | 1)<br>2)<br>3) | Dr. Abı    | ı E | l- Mahasen  | M. Elh   | anfy                 |       |
| Members of course examination committee.  1) Prof. Dr. Aly Eelghalman 2) Dr. Abu El- Mahasen M. Elhanfy 3) Dr. Awatef Elbatawy |                    |                |            |     |             |          |                      |       |
| Dates of meeting of course examination committee. / / 2014   |                    |                |            |     |             |          |                      |       |
| Course coordinator Dr. Abu El- Mahasen M. Elhanfy  |                    |                |            |     |             |          |                      |       |
| External evaluator   | Prof Dr. Go        | alal R         | Rabiea     |     |             |          |                      |       |

| No. of s                                       | No. of students starting the course   |           |         |          | No. of students completing the course |        |      |          |        |            |           |      |   |     |
|--|---|-----------|---------|----------|---------------------------------------|--------|------|----------|--------|------------|-----------|------|---|-----|
|  |   | <i>36</i> |         |          |                                       |        |      |          | 30     | 6          |           |      |   |     |
| Degulta of                                     | a a mara L  | atina a   | tudanta | Dag      | n a d                                 | No.    |      | 33       | Failed | , No       | <b>0.</b> | 3    |   |     |
| Results of                                     | сотріє  | eung si   | uaenis  | Passed   |                                       | Passea |      | <u>%</u> | 9      | <i>1.7</i> | ranec     | 9/   | ó | 8.3 |
| Grading of completing students (of total pass) |   |           |         |          |                                       |        |      |          |        |            |           |      |   |     |
| Excellent                                      | No.   | 10        | Very    | No.      | 9                                     | Go     | od   | No.      | 7      | Pass       | No.       | 7    |   |     |
| Excellent                                      | <b>%</b>  | 30.3      | Good    | <b>%</b> | <i>27.</i> .                          | 3      | Good |          | 21.2   | 1 ass      | %         | 21.2 |   |     |
| Are the gra                                    | Are the grades acceptable? ( ) Yes, ( ) No. If no, please give the reasons. |           |         |          |                                       |        |      |          |        |            |           |      |   |     |
| 1)   |   |           |         |          |                                       |        |      |          |        |            |           |      |   |     |
| 2)   |   |           |         |          |                                       |        |      |          |        |            |           |      |   |     |
| 3)   |   |           |         |          |                                       |        |      |          |        |            |           |      |   |     |

Semester work

Total

Other types of assessment



# جامعة المنوفية كلية الهندسة بشبين الكوم

| C) Professional Information                  |               |                                 |
|--|---------------|---------------------------------|
| 1) Course teaching                           |               |                                 |
| Topics taught as a percentage of those s     | specified: (  | √ ) 100 % ( ) < 100%            |
| If the percentage is less than 100%, plea    | ase give reas | ons for not teaching any topic: |
| $\begin{vmatrix} 1 \\ 1 \end{vmatrix}$       | C             |                                 |
| 2)   |               |                                 |
| 3)   |               |                                 |
| Referring to the course specification, plant | ease list any | ILO's specified but not taught. |
| 1)   | ,             | 1 0                             |
| (2)  |               |                                 |
| 3)   |               |                                 |
| /  |               |                                 |
| 2) Student assessment                        |               |                                 |
| Method of assessment                         | mark          | % of total                      |
| Final term examination                       | 70            | 70                              |
| Mid term examination                         | 15            | 15                              |
| Oral examination                             | -             |                                 |
| Practical / Laboratory examination.          | _             |                                 |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |              |                            |           |  |  |
|---|--------------|----------------------------|-----------|--|--|
| Lectures  | $\checkmark$ | Work Shop                  |           |  |  |
| Practical Training  |              | Class activity             | $\sqrt{}$ |  |  |
| Laboratory  |              | Case Study                 |           |  |  |
| Seminar   |              | Other assignments/homework |           |  |  |

10

100

5

10

100 %

5

| 4) Facilities and Teaching Materials : please check $$ |                  |                     |                           |  |  |  |
|--|------------------|---------------------|---------------------------|--|--|--|
| Totally adequate                                       | $\sqrt{}$        |                     |                           |  |  |  |
| Adequate to some extent                                |                  |                     |                           |  |  |  |
| Inadequate   |                  |                     |                           |  |  |  |
| Reas   | ons of y         | your choice: please | check √                   |  |  |  |
| ( )academic staff                                      | ( )no            | n- academic staff   | ( )teaching accommodation |  |  |  |
| ( ) library  | ( ) laboratories |                     | ( ) IT facility           |  |  |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)<br>2)<br>3)          |
|                                 |                         |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |  |
|--|-----------------------------|---------|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |  |
|  |                             |         |  |  |  |  |
|  |                             |         |  |  |  |  |
|  |                             |         |  |  |  |  |

| 9) Action Plan For Academic Year | 2013/2014 AD    |                    |
|----------------------------------|-----------------|--------------------|
| Action required                  | Completion date | Person responsible |
|                                  |                 |                    |
|                                  |                 |                    |
|                                  |                 |                    |

Course coordinator Signature

| Dr. / Abo Elmahasen Elahnfy |  |
|-----------------------------|--|
|                             |  |



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| A) Auministrative In  | jornation  |       |            |            |          |                        |
|---|--|-------|------------|------------|----------|------------------------|
| Course Title Hy   | draulic systen                                   | ns    |            |            | Code     | MPE 327B               |
| Department offering   | the course \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Mecha | anical pow | er Eng.    | Level    | 3 <sup>rd</sup> year   |
| Programme on which  | h the course is                                  | giver | n B. Sc in | Electrical | Enginee  | ering                  |
| Department(s) offeria   | ng the program                                   | nme   |            | Mech Pow   | er. Eng. | . Dept.                |
| Academic year   | 2013 /2014                                       | AD    | ı          | Semester   | ()Fir.   | st, $(\sqrt{)}$ Second |
| Start data   10/3 /20   | 14 <i>AD</i>                                     |       | End date   |            | 30/5 /2  | 2014 AD                |
| A strict torrelate bearing  | Lecture  | Tu    | torial     | Lab.       |          | Total                  |
| Actual taught hours   | 2  |       | 2          | 0          |          | 4                      |
| ( )Yes, ( √ ) No.<br>1)<br>2)<br>3)   | , , , , , , , , , , , , , , , , , , ,            |       |            |            |          |                        |
| Names of Lectures contributing to the delivery of the course.  1) Dr. Samy El-Behery Dr. Mohamad Abdelaziz          |  |       |            |            |          |                        |
| Members of course examination committee.  1) Dr. Samy El-Behery 2) Dr. Mohamad Abdelaziz 3) Dr. Aboelmhasen Elhanfy |  |       |            |            |          |                        |
| Dates of meeting of course examination committee. / / 2014  |  |       |            |            |          |                        |
| Course coordinator Dr. Samy El-Behery   |  |       |            |            |          |                        |
| External evaluator Prof Dr. Galal Rabiea  |  |       |            |            |          |                        |

| B) Statistical Hijoritation   |       |          |                                       |          |          |            |          |     |       |
|---|-------|----------|---------------------------------------|----------|----------|------------|----------|-----|-------|
| No. of students starting the course   |       |          | No. of students completing the course |          |          |            |          |     |       |
| 33  |       |          |                                       |          |          | <i>3</i> 3 | }        |     |       |
| Desults of completing stu   | donts | Das      | sed                                   | No.      | 26       | Failed     | No       |     | 7     |
| Results of completing stud  | uenis | 1 as     | seu                                   | <b>%</b> | 78.8     | r anea     | <b>%</b> |     | 21.2  |
| Grading of completing students (of total pass)  |       |          |                                       |          |          |            |          |     |       |
| Excellent No. 3   | Very  | No.      | 2                                     | Good     | No.      | 5          | Pass     | No. | 16    |
| % 11.54 °   | Good  | <b>%</b> | 7.7                                   | Good     | <i>%</i> | 19.23      | 1 uss    | %   | 61.53 |
| Are the grades acceptable? ( $\sqrt{\ }$ ) Yes, ( ) No. If no, please give the reasons. |       |          |                                       |          |          |            |          |     |       |
| 1)  |       |          |                                       |          |          |            |          |     |       |
| 2)  |       |          |                                       |          |          |            |          |     |       |
| 3)  |       |          |                                       |          |          |            |          |     |       |



| 1) Course teaching  |
|---|
| Topics taught as a percentage of those specified: () $100\%$ ( $\sqrt{}$ ) < $100\%$      |
| If the percentage is less than 100%, please give reasons for not teaching any topic:      |
| 1) The lecture hall did not equipped by data show, and much time consumed in illustration |
| using traditional method (board).   |
| 2)  |
| 3)  |
| Referring to the course specification, please list any ILO's specified but not taught.    |
| 1) b1-3 Design control system using hydraulic power.                                      |
| (2)   |
| (3)   |
| <u> </u>  |

| 2) Student assessment                      |      |            |
|--|------|------------|
| Assessment Method                          | Mark | Percentage |
| Final Examination (written)                | 70   | 70 %       |
| End of term assessment (Oral)              | 5    | 5 %        |
| End of term laboratory examination (Lab)   | 0    | 0 %        |
| Laboratory reports                         | 0    | 0 %        |
| Quiz Assessment (Term Work))               | 10   | 10 %       |
| Mid term written exam 2 (Term Work)        | 10   | 5%         |
| Tutorial and report assessment (Term Work) | 5    | 5 %        |
| Total                                      | 100  | 100 %      |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |           |                            |           |  |
|---|-----------|----------------------------|-----------|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |           |  |
| Practical Training  | $\sqrt{}$ | Class activity             | $\sqrt{}$ |  |
| Laboratory  |           | Case Study                 |           |  |
| Seminar   |           | Other assignments/homework | V         |  |

| 4) Facilities and Teaching Materials : please check $$ |           |                     |                |                      |  |
|--|-----------|---------------------|----------------|----------------------|--|
| Totally adequate                                       |           |                     |                |                      |  |
| Adequate to some extent                                | $\sqrt{}$ |                     |                |                      |  |
| Inadequate   |           |                     |                |                      |  |
| Reas   | ons of y  | your choice: please | check          | $\sqrt{}$            |  |
| ( )academic staff                                      | ()nor     | n- academic staff   | ()ted          | aching accommodation |  |
| $(\sqrt{\ })$ library                                  | ( ) lab   | oratories           | $(\sqrt{\ })I$ | T facility           |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|-----------------------------|--|



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |
|--|-----------------------------|---------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |
|  |                             |         |  |  |
|  |                             |         |  |  |
|  |                             |         |  |  |

| 9) Action Plan For Academic Year 2013 /2014 AD |                 |                        |  |  |  |  |
|--|-----------------|------------------------|--|--|--|--|
| Action required                                | Completion date | Person responsible     |  |  |  |  |
| Supply the lecture hall by data show           |                 | Head of electrical     |  |  |  |  |
|  |                 | Engineering department |  |  |  |  |
|  |                 |                        |  |  |  |  |
|  |                 |                        |  |  |  |  |
|  |                 |                        |  |  |  |  |

| Course coordinator    | Signature |
|-----------------------|-----------|
| Dr. Samy El-Behery    |           |
| Dr. Mohamad Abdelaziz |           |



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aaministrative  | п        | ormanon     |                         |        |         |            |           |               |             |                |
|--|----------|-------------|-------------------------|--------|---------|------------|-----------|---------------|-------------|----------------|
| Course Title Internal combustion engine(2)   |          |             |                         |        |         | Code       | ?         | MPE 411       |             |                |
| Department offering  | z the    | e course    | Me                      | chanic | al pow  | er         |           | Leve          | l           | Under graduate |
| Programme on whi   | ch th    | he course i | s gi                    | ven    | В.,     | Sc         | in Mech P | ower.         | Eı          | ıg.            |
| Department(s) offer  | ing      | the progra  | mm                      | ıe     | M       | ech        | Power. E  | Ing. L        | <b>)</b> ep | pt.            |
| Academic year  | 2        | 013/2014    |                         | AD     | Se      | mes        | ster      | $(\sqrt{l})I$ | Fir         | st, ( )Second  |
| Start date 9/201   | 3        | AD          |                         |        | End e   | date       | е         | 01 /2         | 201         | 4 AD           |
| A strial tarrelet le serve   |          | Lecture     |                         | Τι     | ıtorial |            | Lab.      |               |             | Total          |
| Actual taught hours  |          | 3           |                         |        | 2       |            | 1         |               |             | 6              |
| ( )Yes, ( \( \forall \) 1) 2) 3)   | 2)       |             |                         |        |         |            |           |               |             |                |
| Names of Lectures contributing to the delivery of the course.  1) Dr. Awad Rashad Syam 2) 3)                               |          |             |                         |        |         |            |           |               |             |                |
| Members of course examination committee.  1) Dr. Awad Rashad Syam 2) Dr. Elsaid Farag 3) A. Prof. Mostafa Ahmed Abdel-Baky |          |             |                         |        |         | .bdel-Baky |           |               |             |                |
| Dates of meeting of  | сои      | ırse examin | ıati                    | on cor | nmitte  | e.         |           |               |             |                |
| Course coordinator   | <u> </u> | Prof.Dr.    | Prof.Dr. Sobih M. Selim |        |         |            |           |               |             |                |
| External evaluator   |          | Prof Dr.    | Prof Dr. Galal Rabiea   |        |         |            |           |               |             |                |

| No. of students starting the course |  |         |         |        | No. of students completing the course |         |      |         |          |         |           |       |   |       |
|-------------------------------------|--|---------|---------|--------|---------------------------------------|---------|------|---------|----------|---------|-----------|-------|---|-------|
|                                     | 214  |         |         |        |                                       | 211     |      |         |          |         |           |       |   |       |
| Results of completing students      |  |         | Par     | Daggad |                                       |         | 207  | Failed  | No.      |         | 4         |       |   |       |
| Results Of C                        | compie   | eung su | uuenis  | Passed |                                       | %       | 9    | 98.1    | Гипеа    | %       |           | 1.9   |   |       |
|                                     | Grading of completing students (of total pass) |         |         |        |                                       |         |      |         |          |         |           |       |   |       |
| Excellent                           | No.  | 8       | Very    | No.    | 9                                     | Goo     | nd   | No.     | 41       | Pass    | No.       | 149   |   |       |
| Excellent                           | %  | 3.79    | Good    | %      | 4.27                                  | 000     | Jood |         | 9        | %       | 19.43     | 1 ass | % | 70.62 |
| Are the gro                         | ades a   | cceptab | le? (√) | Yes,   | ()N                                   | o. If n | o, p | lease g | give the | reasons | <b>S.</b> |       |   |       |
| 1)                                  |  |         |         |        |                                       |         |      |         |          |         |           |       |   |       |
| 2)                                  |  |         |         |        |                                       |         |      |         |          |         |           |       |   |       |
| 3)                                  |  |         |         |        |                                       |         |      |         |          |         |           |       |   |       |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 15   | 10         |
| Oral examination                    | 15   | 10         |
| Practical / Laboratory examination. | 15   | 10         |
| Semester work                       | 7.5  | 5          |
| Other types of assessment           | 7.5  | 5          |
| Total                               | 100  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |   |  |  |
|---|-----------|----------------------------|---|--|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |   |  |  |
| Practical Training  |           | Class activity             | V |  |  |
| Laboratory  | V         | Case Study                 | V |  |  |
| Seminar   | V         | Other assignments/homework | V |  |  |

| 4) Facilities and Teaching Materials : please check $$ |               |                       |     |                         |  |  |  |
|--|---------------|-----------------------|-----|-------------------------|--|--|--|
| Totally adequate                                       |               |                       |     |                         |  |  |  |
| Adequate to some extent                                |               |                       |     |                         |  |  |  |
| Inadequate   | V             |                       |     |                         |  |  |  |
| Rea  | sons of       | your choice: please o | che | ck √                    |  |  |  |
| ( $\sqrt{}$ )academic staff                            | ( )noi        | n- academic staff     | (   | )teaching accommodation |  |  |  |
| ( ) library  | $(\sqrt{}) l$ | aboratories           | (   | ) IT facility           |  |  |  |
|  |               |                       |     |                         |  |  |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



### جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course                  | Comments of Course Team |
|--|-------------------------|
| The course has gratification of all students but | 1)                      |
| the lectures hours should be increased to cover  | 2)                      |
| more than the specified course as it is very     | 3)                      |
| important for the engineers after graduation.    |                         |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |  |
|--|-----------------------------|---------|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |  |
|  |                             |         |  |  |  |  |
|  |                             |         |  |  |  |  |
|  |                             |         |  |  |  |  |

| 9) Action Plan For Academic Year 20 | /20 AD          |                    |
|-------------------------------------|-----------------|--------------------|
| Action required                     | Completion date | Person responsible |
|                                     |                 |                    |
|                                     |                 |                    |
|                                     |                 |                    |

Course coordinator

Signature

Dr. Awad Rashad syam *Date:* 



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative Information   |  |        |          |              |                               |         |                      |
|---|--|--------|----------|--------------|-------------------------------|---------|----------------------|
| Course Title Steam and Gas Turbine  |  |        | Cod      | e Mi         | PE 413                        |         |                      |
| Department offering th  | epartment offering the course   Mech Power. Eng. |        |          | Leve         | $2^{na}$                      | l       |                      |
| Programme on which  | the course is                                    | giver  | n        | B.Sc in M    | ech P                         | ower. I | Eng.                 |
| Department(s) offering  | g the program                                    | nme    |          | Mech Pov     | ver. E                        | ng. De  | pt.                  |
| Academic year 20  | 013 /20 1  | 14     | AD       | Semester     | ( )First, ( $\sqrt{}$ )Second |         | $(\sqrt{\ })$ Second |
| Start data 2 /20 1  | 3 <i>AD</i>                                      |        | End do   | ite          | 5/2014                        |         |                      |
| A   | Lecture  | Τι     | ıtorial  | Lab.         |                               |         | Total                |
| Actual taught hours   | 3  | 2      |          | 1            |                               | 6       |                      |
| Are there any different   | ce between th                                    | hese f | igures a | ind those sp | pecifie                       | ed?     |                      |
| <ul> <li>( )Yes, ( √ ) No., If yes, please give the reasons:</li> <li>1)</li> <li>2)</li> <li>3)</li> </ul> |  |        |          |              |                               |         |                      |
| Names of Lectures con   | itributing to                                    | 1)     |          | r. Taher I.  |                               |         |                      |
| the delivery of the cou   | · ·  | 2)     | Dr. Mo   | ohammed A    | bdel .                        | Aziz    |                      |
| , J   |  | 3)     |          |              |                               |         |                      |
| Members of course examination 1) Prof Dr. Taher I. Sabry  |  |        |          |              |                               |         |                      |
| committee. 2) Dr. Mohammed Abdel Aziz   |  |        |          |              |                               |         |                      |
| 3) Dr. Ahmed Rafat  |  |        |          |              |                               |         |                      |
| 4) Dr. Esam M.Wahba   |  |        |          |              |                               |         |                      |
| Dates of meeting of course examination committee. 1/6/2012  |  |        |          |              |                               |         |                      |
| Course coordinator  | Prof.Dr. Sobih M. Selim                          |        |          |              |                               |         |                      |
| External evaluator  | Prof Dr. Galal Rabiea                            |        |          |              |                               |         |                      |

| 2) statesticate 11goi intatto   |  |  |  |  |
|---|--|--|--|--|
| No. of students starting the course   | No. of students completing the course                      |  |  |  |
| 214   | 211  |  |  |  |
| Results of completing students   Passe  | No. 207 Failed No. 4                                       |  |  |  |
| Results of completing students   Passe  | % 98.1 Failed % 1.9  |  |  |  |
| Grading of completing students (of total pass)  |  |  |  |  |
| Excellent No. 16 Very No. 7.  | Good No. 61 Pass No. 59<br>65 Rood 80 28.91 Pass No. 27.96 |  |  |  |
| Excellent         No.         16         Very         No.         7.5           %         7.58         Good         %         3.5 | .65 % 28.91 1 dss % 27.96                                  |  |  |  |
| Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons.   |  |  |  |  |
| 1)  |  |  |  |  |
| 2)  |  |  |  |  |
| 3)  |  |  |  |  |



| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1) Experimental lab facility   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2) NON   |
| 3)   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 15   | 10         |
| Oral examination                    | 15   | 10         |
| Practical / Laboratory examination. | 10   | 6.67       |
| Semester work                       | 10   | 6.67       |
| Other types of assessment           | 10   | 6.67       |
| Total                               | 150  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |  |
|---|-----------|----------------------------|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |  |
| Practical Training  |           | Class activity             |  |
| Laboratory  |           | Case Study                 |  |
| Seminar   | -         | Other assignments/homework |  |

| 4) Facilities and Teaching Materials : please check $$ |           |                     |                           |  |  |
|--|-----------|---------------------|---------------------------|--|--|
| Totally adequate                                       |           | Needs to laptop     |                           |  |  |
| Adequate to some extent                                | $\sqrt{}$ |                     |                           |  |  |
| Inadequate   |           |                     |                           |  |  |
| Reas   | ons of y  | your choice: please | check √                   |  |  |
| ( )academic staff                                      | ()no      | n- academic staff   | ( )teaching accommodation |  |  |
| ( ) library  | ( $)$     | laboratories        | () IT facility            |  |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



### جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |
|--|-----------------------------|---------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |
| Page on face bak   | V                           |         |  |  |
| Wib site   | V                           |         |  |  |
|  |                             |         |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                    |  |  |
|--|-----------------|--------------------|--|--|
| Action required                            | Completion date | Person responsible |  |  |
| Supply laptop                              |                 |                    |  |  |
|  |                 |                    |  |  |
|  |                 |                    |  |  |

Course coordinator Signature

Prof Dr. Taher I. Sabry Prof Dr. Ahmed S. Hegazy Dr. Mohammed Abdel Aziz

Tel / 048-2220395 - fax: 048-2235695



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative Information                     |   |                                  |                             |                          |             |              |       |       |
|---|---|----------------------------------|-----------------------------|--------------------------|-------------|--------------|-------|-------|
| Course Title                                      | ontrol of hydrulic and pneumentic power           |                                  |                             |                          | Code        | e MPE 4      | !14 A | L     |
| Department offerin                                | Department offering the course   Mech Power. Eng. |                                  |                             |                          | Leve        | $l = 4^{th}$ |       |       |
| Programme on whi                                  | ch the course is                                  | giver                            | $\eta$                      | B.Sc in Mech Power. Eng. |             |              |       |       |
| Department(s) offer                               | Mech Power. Eng.                                  |                                  |                             |                          |             |              |       |       |
| Academic year                                     | 2013 /20 1  | 4                                | AD                          | Semester                 | ( √         | )First, (    | )Se   | econd |
| Start data / 9                                    | /2013 AD  |                                  | End da                      | te                       | / 1 /2014 A |              |       | AD    |
| A strict to a valet le sur                        | Lecture   | $T\iota$                         | ıtorial                     | Lab.                     |             | Ta           | otal  |       |
| Actual taught hour                                | 2   | 1                                |                             | 1                        |             | 4            |       |       |
| Are there any differ                              | ence between th                                   | hese f                           | igures a                    | nd those sp              | ecifie      | d?           |       |       |
| ( )Yes, ( $\sqrt{}$ ) N                           | No. , If yes, pleas                               | se giv                           | e the red                   | asons:                   |             |              |       |       |
| 1)  |   |                                  |                             |                          |             |              |       |       |
| 2)  |   |                                  |                             |                          |             |              |       |       |
| 3)  |   |                                  |                             |                          |             |              |       |       |
| Names of Lectures contributing to                 |   |                                  | Assoc.                      | Prof. Wage               | eeh El      | l-Askary     |       |       |
| the delivery of the course.                       |   | 2)                               | 2) Dr. Mohamed Abdelaziz    |                          |             |              |       |       |
| The delivery of the c                             | 3)  |                                  |                             |                          |             |              |       |       |
| Members of course                                 | examination                                       | 1) Assoc. Prof. Wageeh El-Askary |                             |                          |             |              |       |       |
| Members of course examination committee.          |   | 2)                               | 2) Dr. Mohamed Abdelaziz    |                          |             |              |       |       |
| communec.   |   |                                  | Prof. Dr . Kamal A. Ibrahim |                          |             |              |       |       |
| Dates of meeting of course examination committee. |   |                                  |                             |                          |             |              |       |       |
| Course coordinator                                | r Prof.Dr. So                                     | Prof.Dr. Sobih M. Selim          |                             |                          |             |              |       |       |
| External evaluator                                | External evaluator Prof Dr. Galal Rabiea          |                                  |                             |                          |             |              |       |       |

| D) Diansi   | 10001 | 119011110 |        |                                       |       |                 |        |     |    |      |  |  |
|---|-------|-----------|--------|---------------------------------------|-------|-----------------|--------|-----|----|------|--|--|
| No. of students starting the course   |       |           |        | No. of students completing the course |       |                 |        |     |    |      |  |  |
| 73  |       |           |        |                                       |       | 72              |        |     |    |      |  |  |
| $\mid Results$ of completing students $\mid Passed \mid \vdash$                       |       |           | No.    | 71                                    |       | -<br>Failed     | No.    | j   | 1  |      |  |  |
|   |       |           | Passea | %                                     | 98.   | .61             | T anea | %   | J  | 1.39 |  |  |
| Grading of completing students (of total pass)  |       |           |        |                                       |       |                 |        |     |    |      |  |  |
| Excellent         No.   4   Very   No.   19               6.56   Good   %   26.39     |       | No.       | 19     | Good                                  | No.   | 23 <sub>F</sub> | Pass   | No. | 26 |      |  |  |
|   |       | 300a %    |        | 31.94                                 | 1 433 | %               | 36.11  |     |    |      |  |  |
| Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons. |       |           |        |                                       |       |                 |        |     |    |      |  |  |
| 1)  |       |           |        |                                       |       |                 |        |     |    |      |  |  |
| 2)  |       |           |        |                                       |       |                 |        |     |    |      |  |  |



3)

C) Professional Information

| 1) Course leaching  |                 |
|---|-----------------|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%    |                 |
| If the percentage is less than 100%, please give reasons for not teaching any topic | $\mathcal{C}$ . |
| 1)  |                 |

2)

3)

Referring to the course specification, please list any ILO's specified but not taught.

- 1) B14-1: set-up condct intrpret fire tube boiler performance experiments.
- 2) C 15-1: write computer programs pertaining to thermal power plants.

3)

| Assessment Method                                 | Mark | Percentage | week             |
|---|------|------------|------------------|
| Final Examination (written)                       | 60   | 60 %       | 16 <sup>th</sup> |
| End of term assessment (Oral)                     | 10   | 10 %       | 15th             |
| End of term laboratory examination ( <i>Lab</i> ) | 5    | 5 %        | 15th             |
| Laboratory reports                                | 5    | 5 %        | Every 3 weeks    |
| Quiz Assessment (Term<br>Work))                   | 7    | 7 %        | Every 3 weeks    |
| Mid term written exam 2<br>(Term Work)            | 8    | 8%         | 8 <sup>th</sup>  |
| Tutorial and report<br>assessment (Term Work)     | 5    | 5 %        | weakly           |
| Total   | 100  | 100 %      |                  |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |  |                            |           |  |  |
|---|--|----------------------------|-----------|--|--|
| Lectures  |  | Work Shop                  |           |  |  |
| Practical Training  |  | Class activity             | $\sqrt{}$ |  |  |
| Laboratory  |  | Case Study                 |           |  |  |
| Seminar   |  | Other assignments/homework | $\sqrt{}$ |  |  |

| 4) Facilities and Teaching Materials : please check $$ |  |  |  |  |  |
|--|--|--|--|--|--|
| Totally adequate                                       |  |  |  |  |  |
| Adequate to some extent                                |  |  |  |  |  |
| Inadequate   |  |  |  |  |  |



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| Reasons of your choice: please check $$ |  |                        |                           |  |  |  |  |  |
|---|--|------------------------|---------------------------|--|--|--|--|--|
| ( )academic staff                       | (_)non-aca                             | idemic staff           | ( )teaching accommodation |  |  |  |  |  |
| (√ ) library                            | ( √ ) labo                             | ratories               | $(\sqrt{})$ IT facility   |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
| 5) Administrative Constrain             |  |                        |                           |  |  |  |  |  |
| /                                       |  | · · ·                  |                           |  |  |  |  |  |
|   | <u> </u>                               |                        |                           |  |  |  |  |  |
| 6) Student evaluation of Cou            |  | Comment                | ts of Course Team         |  |  |  |  |  |
|   | 1)                                     |                        |                           |  |  |  |  |  |
|   | $\begin{pmatrix} 2 \\ 3 \end{pmatrix}$ |                        |                           |  |  |  |  |  |
|   | 3)                                     |                        |                           |  |  |  |  |  |
| 7) Comment For External E               | Evaluator(s)                           | Com                    | ments of Course Team      |  |  |  |  |  |
| 1)                                      | ()                                     | 1)                     |                           |  |  |  |  |  |
| 2)                                      |  | 2)                     |                           |  |  |  |  |  |
| 3)                                      |  |                        |                           |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
| 8) Course Enhancement                   |  |                        |                           |  |  |  |  |  |
| Progress on actions identifie           |  | <del>,</del>           | T -                       |  |  |  |  |  |
| Action                                  | Com                                    | pleted ( $\sqrt{or X}$ | () Reasons                |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
| 9) Action Plan For Academi              | o Voar 20                              | /20 AD                 |                           |  |  |  |  |  |
| Action required                         |  | mpletion date          | Person responsible        |  |  |  |  |  |
| 110111 1 cquireu                        | Col                                    | mpierion adic          | 1 erson responsible       |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
|   |  |                        |                           |  |  |  |  |  |
| Course coordinator Signature            |  |                        |                           |  |  |  |  |  |
|   |  |                        | · ·                       |  |  |  |  |  |
| Assoc. Prof. Wageeh El-Ask              | ary                                    |                        |                           |  |  |  |  |  |
| Dr. Mohamed Abdelaziz                   |  |                        |                           |  |  |  |  |  |

Date



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Auministrative Information            |                                 |                         |                               |                                      |                            |              |                |                |         |
|--|---------------------------------|-------------------------|-------------------------------|--------------------------------------|----------------------------|--------------|----------------|----------------|---------|
| Course Title Des                         | Design of refrigeration and air |                         |                               |                                      |                            |              | Code           |                | MPE414B |
|  |                                 | ng dev                  |                               |                                      |                            |              |                |                |         |
| Department offerin                       | g the c                         | ourse                   | Med                           | chanica                              | al power                   |              | Level          |                | 4       |
| Programme on whi                         |                                 |                         |                               |                                      |                            | in Mech Po   | ver. En        | ıg.            |         |
| Department(s) offe                       | ring the                        | e progre                | amm                           | ie –                                 | Mech                       | Power. Eng   | g. Dept        |                |         |
| Academic year                            | 2013                            | 3/2014                  |                               | AD                                   | Semes                      | ster         | $(\sqrt{V})Fi$ | irst, (        | )Second |
| Start date 9/2013                        | 3 A                             | D                       |                               |                                      | End date                   | e            | 01 /20         | 14 AI          | )       |
| A -41 4 1-4 1                            | _                               | Lecture                 | ?                             | Ти                                   | torial                     | Lab.         |                | $T_{\epsilon}$ | otal    |
| Actual taught hour.                      | ·                               | 2                       |                               |                                      | 1                          | 1            |                |                | 4       |
| Are there any diff                       | erence                          | betwee                  | en th                         | iese fi                              | gures ar                   | nd those spe | cified?        |                |         |
| ( )Yes, ( $\sqrt{}$ )                    | No., I                          | f yes, p                | leas                          | e give                               | the reas                   | sons:        |                |                |         |
| 1)                                       |                                 |                         |                               |                                      |                            |              |                |                |         |
| 2)                                       |                                 |                         |                               |                                      |                            |              |                |                |         |
| 3)                                       |                                 |                         |                               |                                      |                            |              |                |                |         |
| Names of Lectures                        | contrib                         | outing to               | )                             | 1)                                   | A. Prof.                   | Mostafa Ahm  | ed Abde        | l-Baky         |         |
| the delivery of the o                    |                                 | ming ic                 | ,                             | 2)                                   | Prof. Mousa Mouhamed Mousa |              |                |                |         |
|  |                                 |                         |                               | 3)                                   |                            |              |                |                |         |
| Members of course                        | ovami                           | nation                  |                               | 1) A. Prof. Mostafa Ahmed Abdel-Baky |                            |              |                |                |         |
| Members of course examination committee. |                                 |                         | 2) Prof. Mousa Mouhamed Mousa |                                      |                            |              |                |                |         |
| commutee.                                |                                 |                         | 3)                            |                                      |                            |              |                |                |         |
| 4) Prof. Safwat Mohamed Badrah           |                                 |                         |                               |                                      |                            |              |                |                |         |
| Dates of meeting of                      | course                          | e exami                 | natio                         | on con                               | ımittee.                   | 20-12-2011,  | 10-1-20        | )12, 25-1      | -2012.  |
| Course coordinator                       | • 1                             | Prof.Dr. Sobih M. Selim |                               |                                      |                            |              |                |                |         |
| External evaluator                       | I                               | Prof Dr. Galal Rabiea   |                               |                                      |                            |              |                |                |         |

| B) Statistic                                   | <u>J</u> |         |         |          |          |                                       |          |      |         |          |         |       |      |       |
|--|----------|---------|---------|----------|----------|---------------------------------------|----------|------|---------|----------|---------|-------|------|-------|
| No. of students starting the course            |          |         |         |          |          | No. of students completing the course |          |      |         |          |         |       |      |       |
|  |          | 86      |         |          |          |                                       |          |      |         | 86       |         |       |      |       |
| Results of completing students                 |          |         | Par     | Dagged N |          | o.                                    |          | 84   | Failed  | No.      |         | 2     |      |       |
| Kesutis oj t                                   | zompie   | eung su | aaenis  | ras      | Passed - |                                       | ó        | 9    | 7.67    | Ганеа    | %       |       | 2.33 |       |
| Grading of completing students (of total pass) |          |         |         |          |          |                                       |          |      |         |          |         |       |      |       |
| Excellent                                      | No.      | 15      | Very    | No.      | 32       |                                       | Goo      | d    | No.     | 24       | Pass    | No.   | 13   |       |
| Excellent                                      | %        | 17.44   | Good    | %        | 37.2     | 21                                    | 1   0000 |      |         | %        | 27.91   | 1 ass | %    | 15.12 |
| Are the gra                                    | ides a   | cceptab | le? (√) | Yes,     | () N     | Vo.                                   | If n     | o, p | lease g | give the | reasons | 5.    |      |       |
| 1)   |          | •       | , ,     |          | , ,      |                                       | v        | •    |         |          |         |       |      |       |
| 2)   |          |         |         |          |          |                                       |          |      |         |          |         |       |      |       |
| 3)   |          |         |         |          |          |                                       |          |      |         |          |         |       |      |       |
|  |          |         |         |          |          |                                       |          |      |         |          |         |       |      |       |



| $\boldsymbol{C}$ ) | Pro | fessi | ional | Inj | form | ation |
|--------------------|-----|-------|-------|-----|------|-------|
|                    |     |       |       |     |      |       |

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: (90) 100% ( $\sqrt{}$ ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1) The lectures and tutorial hours are not enough.                                     |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| (1)  |
| 2)   |
| 3)   |
|  |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 60   | 60         |
| Mid term examination                | 10   | 10         |
| Oral examination                    | 10   | 10         |
| Practical / Laboratory examination. | 10   | 10         |
| Semester work                       | 5    | 5          |
| Other types of assessment           | 5    | 5          |
| Total                               | 100  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |   |                            |   |  |  |
|---|---|----------------------------|---|--|--|
| Lectures  | V | Work Shop                  | V |  |  |
| Practical Training  | V | Class activity             | V |  |  |
| Laboratory  | V | Case Study                 | V |  |  |
| Seminar   | V | Other assignments/homework | V |  |  |

| terials : | r please check √      |   |
|-----------|-----------------------|---|
| $\sqrt{}$ |                       |   |
|           |                       |   |
|           |                       |   |
| sons of   | your choice: please o | check √   |
| ( )noi    | n- academic staff     | ( )teaching accommodation   |
| ( ) la    | ıboratories           | ( ) IT facility   |
|           | sons of               | terials: please check √  √  sons of your choice: please ( )non- academic staff ( ) laboratories |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |

| 6) Student evaluation of C        | Course             | Comments of | of Course Tear | n |
|-----------------------------------|--------------------|-------------|----------------|---|
| The course has gratification of a | all students but I | 1)          |                |   |
|                                   |                    |             |                |   |



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the lectures hours should be increased to cover more than the specified course as it is very important for the engineers after graduation.

| r | 2)           |
|---|--------------|
| 7 | <i>2) 3)</i> |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |  |
|--|-----------------------------|---------|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |  |
|  |                             |         |  |  |  |  |
|  |                             |         |  |  |  |  |
|  |                             |         |  |  |  |  |

| 9) Action Plan For Academic Year 20 | /20 AD          |                    |
|-------------------------------------|-----------------|--------------------|
| Action required                     | Completion date | Person responsible |
|                                     |                 |                    |
|                                     |                 |                    |
|                                     |                 |                    |

Course coordinator

Signature

Dr. Mostafa Ahmed Abdel-Baky

Date: 30/1/2012



### ANNUAL COURSE REPORT

| A) Administrative Information   |       |  |                         |  |           |        |      |                       |  |
|---|-------|--|-------------------------|--|-----------|--------|------|-----------------------|--|
| Course Title  |       | Design and Operation of Thermal Power Plants |                         |  |           |        | e    | MPE423b               |  |
| Department offeri   | ng t  | he course                                    | Mech                    | Power.   | Eng.      | Leve   | el   | 4 <sup>th</sup> year  |  |
| Programme on wh   | ich   | the course                                   | is give                 | n  | B.Sc in M | ech. F | Pow  | ver Eng.              |  |
| Department(s) offe  | erin  | g the progr                                  | ramme                   |  | Mech Pov  | ver. E | 'ng. | Dept.                 |  |
| Academic year   | 2     | 013 /20                                      | 014                     | AD   | Semester  | ()F    | irs  | t, $(\sqrt{)}$ Second |  |
| Start data /2 /.  | 201   | 4 <i>AD</i>                                  |                         | End do   | ate       | /      | 6    | /20 14 AD             |  |
| Actual taught hou   | vc    | Lecture                                      | Tı                      | utorial  | Lab.      |        |      | Total                 |  |
|   |       | 3  | 2                       |  | 1         |        | 6    |                       |  |
| Are there any difference between these figures and those specified?  ( ) Yes, ( $\sqrt{\ }$ ) No., If yes, please give the reasons:  1) 2) 3) |       |  |                         |  |           |        |      |                       |  |
| Names of Lectures contributing to the delivery of the course.   |       |  | to   1)<br>  2)<br>  3) | Dr. Ashraf Amin Hussin                               |           |        |      |                       |  |
| Members of course examination committee.  |       |  | 1)<br>2)<br>3)<br>4)    | 2) Dr. Ashraf Amin Hussin<br>3) Dr. Awatef El-Batawy |           |        |      |                       |  |
| Dates of meeting of   | of co | ourse exam                                   | ination                 | commit   | tee.      |        |      |                       |  |
| Course coordinate   | or    | Prof.Dr.                                     | Sobih N                 | 1. Selim   |           |        |      |                       |  |
| External evaluator  | ·     | Prof Dr.                                     | $Galal$ $\overline{R}$  | Rabiea   |           |        |      |                       |  |

| D) Simisi   |                                | J        |              |        |         |         |                                       |        |           |       |     |       |  |  |
|---|--------------------------------|----------|--------------|--------|---------|---------|---------------------------------------|--------|-----------|-------|-----|-------|--|--|
| No. of  | stude                          | ents sta | rting the    | cour   | se      | 1       | No. of students completing the course |        |           |       |     |       |  |  |
| 87  |                                |          |              |        |         | 87      |                                       |        |           |       |     |       |  |  |
| Results of completing students  Passed  |                                |          |              | No.    | 85      |         | - Failed                              | No.    | 2         | 2     |     |       |  |  |
| Kesuus oj   | s of completing students   Pas |          | ssea         | %      | 97.     | 7       | Тапеа                                 | %      | 2         | .3    |     |       |  |  |
|   |                                | G        | Grading of   | of con | ıpletir | ng stud | lents                                 | (of to | tal pass) |       |     |       |  |  |
| Excellent   | No.                            | 1        | Very<br>Good | No.    | 7       | God     | nd.                                   | No.    | 31        | Pass  | No. | 46    |  |  |
| LACCHEIH  | %                              | 1.15     | Good         | %      | 8.05    |         | м                                     | %      | 35.63     | 1 ass | %   | 52.87 |  |  |
| Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons. |                                |          |              |        |         |         |                                       |        |           |       |     |       |  |  |
| 1)  |                                | •        | ,            | ,      | ,       | •       | J                                     | •      | Ü         |       |     |       |  |  |



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| 7 | ١ |
|---|---|
| _ | , |

| C) Pro | fessio | nal In | formation | n |
|--------|--------|--------|-----------|---|
|--------|--------|--------|-----------|---|

| - $        -$  |
|--|
| 1) Course teaching   |
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100% ( ) < 100%        |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| $ 1\rangle$  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| $ 1\rangle$  |
| 2)   |
| $\parallel 3)$   |

| 2) Student assessment                      |      |            |
|--|------|------------|
| Method of assessment                       | mark | % Of total |
| Assessment Method                          | Mark | Percentage |
| Final Examination (written)                | 90   | 60 %       |
| End of term assessment (Oral)              | 10   | 6.66 %     |
| End of term laboratory examination (Lab)   | 10   | 6.66 %     |
| Laboratory reports                         | 5    | 3.33 %     |
| Quiz Assessment (Term Work))               | 15   | 10 %       |
| Mid term written exam 2 (Term Work)        | 15   | 10%        |
| Tutorial and report assessment (Term Work) | 5    | 3.33 %     |
| Total                                      | 150  | 100%       |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or }X}$ ) |   |                            |   |  |  |  |  |
|--|---|----------------------------|---|--|--|--|--|
| Lectures   |   | Work Shop                  |   |  |  |  |  |
| Practical Training   | V | Class activity             | V |  |  |  |  |
| Laboratory   | V | Case Study                 | V |  |  |  |  |
| Seminar  |   | Other assignments/homework | V |  |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                  |                              |  |  |  |  |  |  |
|--|------------------|------------------------------|--|--|--|--|--|--|
| Totally adequate                                       | Totally adequate |                              |  |  |  |  |  |  |
| Adequate to some extent                                | $\sqrt{}$        |                              |  |  |  |  |  |  |
| Inadequate   |                  |                              |  |  |  |  |  |  |
| Reas   | ons of           | your choice: please check $$ |  |  |  |  |  |  |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| ( )academic staff                      | ( )non- aca         | idemic staff                           | ( )teaching accommodation |  |  |  |  |  |
|--|---------------------|--|---------------------------|--|--|--|--|--|
| () library                             | $(\sqrt{})$ laborat | ories                                  | $(\sqrt{})$ IT facility   |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
| 5) Administrative Constrain            |                     |  |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
| 6) Student evaluation of Cou           | ırse                | Commer                                 | nts of Course Team        |  |  |  |  |  |
| 1)<br>2)<br>3)                         |                     |  |                           |  |  |  |  |  |
| 7\ Carres and For Fritain al L         | F                   | Con                                    | To any                    |  |  |  |  |  |
| 7) Comment For External E              | valuator(s)         |  | nments of Course Team     |  |  |  |  |  |
| 1)<br>2)                               |                     | 1)<br>2)                               |                           |  |  |  |  |  |
| $\begin{pmatrix} 2 \\ 3 \end{pmatrix}$ |                     | $\begin{pmatrix} 2 \\ 3 \end{pmatrix}$ |                           |  |  |  |  |  |
|  |                     | 0)                                     |                           |  |  |  |  |  |
| 8) Course Enhancement                  |                     |  |                           |  |  |  |  |  |
| Progress on actions identifie          | ed in the prev      | ious year's ac                         | ction plan:               |  |  |  |  |  |
| Action                                 |                     | pleted ( $\sqrt{or 2}$                 |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
| 9) Action Plan For Academi             | c Year 20 /         | /20 AD                                 |                           |  |  |  |  |  |
| Action required                        | Con                 | mpletion date                          | Person responsible        |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
|  |                     |  |                           |  |  |  |  |  |
| Course coordinator                     |                     |  | Signature                 |  |  |  |  |  |
| Prof. Dr. Nabil H. Mahmoud             | d                   |  |                           |  |  |  |  |  |
| Dr. Ashraf Amin Hussin                 |                     |  |                           |  |  |  |  |  |



### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative Information   |  |   |  |  |  |  |  |  |  |
|---|--|---|--|--|--|--|--|--|--|
| Turbine Desi  | gn   | Code  | MPE 424B   |  |  |  |  |  |  |
| Aech. Power   | Eng.   | Level   | 4 <sup>rd</sup> Year   |  |  |  |  |  |  |
| given   | B.sc in Me   | ch. Pov   | ver Eng.   |  |  |  |  |  |  |
| nme   | Mech. Pov  | ver Eng   | .Dept.   |  |  |  |  |  |  |
| AD  | Semester   | ()Firs  | t, $()$ Second   |  |  |  |  |  |  |
| End da  | ıte  | /06   | /20 14 AD  |  |  |  |  |  |  |
| Tutorial  | Lab.   |   | Total  |  |  |  |  |  |  |
| 2   | 1  | 6   | -  |  |  |  |  |  |  |
|   |  | ecified.  | ?  |  |  |  |  |  |  |
| e give the red  | asons:   |   |  |  |  |  |  |  |  |
|   |  |   |  |  |  |  |  |  |  |
|   |  |   |  |  |  |  |  |  |  |
|   |  |   |  |  |  |  |  |  |  |
| 1) Prof. L  | Pr. Taher I.   | Sabry   |  |  |  |  |  |  |  |
| ļ '   |  |   |  |  |  |  |  |  |  |
| 3) Dr. Hamdy Kotb Mostafa   |  |   |  |  |  |  |  |  |  |
| 1) Prof. Dr. Taher I. Sabry   |  |   |  |  |  |  |  |  |  |
| 2) Dr. Awatif El-Batawy   |  |   |  |  |  |  |  |  |  |
| 3) Dr. Hamdy Kotb Mostafa   |  |   |  |  |  |  |  |  |  |
| 4) Prof. Nabil Hanafi Mahmoud   |  |   |  |  |  |  |  |  |  |
| ation committ   | ee.  |   |  |  |  |  |  |  |  |
| bih M. Selim  | ·  |   |  |  |  |  |  |  |  |
| rse coordinator   Prof.Dr. Sobih M. Selim<br>rnal evaluator   Prof Dr. Galal Rabiea |  |   |  |  |  |  |  |  |  |
|   | Alech. Power in given me AD End do Tutorial 2 sese figures a e give the red 1) Prof. Lack 1) Prof. Lack 2) Dr. Aw 3) Dr. Hale 2) Dr. Aw 3) Dr. Hale 4) Prof. Nation committed in the solution committed in the solution of the | Mech. Pov  AD Semester  End date  Tutorial Lab.  2 1  lese figures and those spee give the reasons:  1) Prof. Dr. Taher I.  2) Dr. Awatif El-Bate  3) Dr. Hamdy Kotb I.  1) Prof. Dr. Taher I.  2) Dr. Awatif El-Bate  3) Dr. Hamdy Kotb I.  4) Prof. Nabil Hanafation committee. | Mech. Power Eng.  B.sc in Mech. Power Eng.  Mech |  |  |  |  |  |  |

| No. of students starting the course  No. of students completing the course        |              |       |      |      |     |     | ourse  |       |     |       |
|---|--------------|-------|------|------|-----|-----|--------|-------|-----|-------|
| 85  |              |       |      | 85   |     |     |        |       |     |       |
|   |              |       | 1    | Vo.  | 84  |     | Failed | No.   | 1   |       |
| Results of completing students   P  |              | Passe | ea - | %    | 98. | .82 | ғанеа  | %     | 1.  | 18    |
| Grading of completing students (of total pass)                                    |              |       |      |      |     |     |        |       |     |       |
| Excellent No. 1   | Very 18 Good |       |      | Good |     | No. | 32     | Pass  | No. | 40    |
| % 1.  | 18 Good      | % 1   | 2.94 | Good |     | %   | 37.65  | 1 ass | %   | 47.06 |
| Are the grades acceptable? ( $$ ) Yes, ( $$ ) No. If no, please give the reasons. |              |       |      |      |     |     |        |       |     |       |
| 1)  |              |       |      |      |     |     |        |       |     |       |
| 2)  |              |       |      |      |     |     |        |       |     |       |



## جامعة المنوفية كلية الهندسة بشبين الكوم

3)

| (C)              | Prot   | fessi | onal | In  | for  | mati | on  |
|------------------|--------|-------|------|-----|------|------|-----|
| $\mathbf{c}_{j}$ | I I Uj | CBBL  | onui | 111 | , 01 | mun  | VII |

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{\ }$ ) 100 % ( ) < 100%     |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| I)   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| I)   |
| 2)   |
| (3)  |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 10   | 6.66       |
| Oral examination                    | 100  | 6.66       |
| Practical / Laboratory examination. | 5    | 3.33       |
| Semester work                       | 15   | 10         |
| Other types of assessment           | 15   | 10         |
| Total                               | 5    | 3.33 %     |

| 3) Teaching and Learni | ng Methods : ( ple | ease check $$ or $X$ )     |           |
|------------------------|--------------------|----------------------------|-----------|
| Lectures               | $\sqrt{}$          | Work Shop                  | X         |
| Practical Training     | $\sqrt{}$          | Class activity             | $\sqrt{}$ |
| Laboratory             | $\sqrt{}$          | Case Study                 | $\sqrt{}$ |
| Seminar                | X                  | Other assignments/homework | V         |

| 4) Facilities and Teaching M | <i>lateria</i> | ls : please check √ |                           |
|------------------------------|----------------|---------------------|---------------------------|
| Totally adequate             |                |                     |                           |
| Adequate to some extent      | $\sqrt{}$      |                     |                           |
| Inadequate                   |                |                     |                           |
| Reas                         | ons of y       | your choice: please | check √                   |
| ( )academic staff            | ()non          | - academic staff    | () teaching accommodation |
| ( ) library                  | ( ) lab        | oratories           | $(\sqrt{})$ IT facility   |



### جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | (3)                     |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement                |                             |              |
|--------------------------------------|-----------------------------|--------------|
| Progress on actions identified in th | e previous year's actio     | n plan:      |
| Action                               | Completed ( $\sqrt{or X}$ ) | Reasons      |
| Renewable Energy                     | X                           | I don't know |
| Environment lab.                     |                             |              |
|                                      |                             |              |

| 9) Action Plan For Academic Year 2012 /2013 AD |                 |                    |  |  |  |  |  |
|--|-----------------|--------------------|--|--|--|--|--|
| Action required                                | Completion date | Person responsible |  |  |  |  |  |
| -Visit thermal power plants                    | During term     |                    |  |  |  |  |  |
| - Prepare the labarotary to generating         | At the end      |                    |  |  |  |  |  |
| power  |                 |                    |  |  |  |  |  |
|  |                 |                    |  |  |  |  |  |

Course coordinator

Prof. Dr. Ahamed Sabry Hegazy

Dr. Ashraf A. Hussien

Sign

Date / /2012



### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative 1                      | nformation  |        |  |  |               |                      |  |  |
|--|---|--------|--|--|---------------|----------------------|--|--|
|  | esign of Internal   | Com    | bustion <b>E</b>   | Code   | MPE414C       |                      |  |  |
| i i                                      | lements   |        |  |  |               | d                    |  |  |
| Department offerin                       | g the course \ \ \ \ \ \                                      | Mech   | Power.   | Eng.   | Level         | 4 <sup>th</sup> year |  |  |
| Programme on whi                         | ch the course is  | giver  | $\eta$   | Mech. Pov  | ver Eng       | ver Eng.             |  |  |
| Department(s) offer                      | ing the prograi   | mme    | ne Mech Power. Eng.  |  |               |                      |  |  |
| Academic year                            | 2013 /201   | 4      | AD   | Semester   | $(\sqrt{)}Fi$ | )First, ( )Second    |  |  |
| Start data /9/2                          | 013 AD  |        | End do   | ıte  | /1 /20 14 AD  |                      |  |  |
| Actual taught hours Lecture              |   |        | utorial Lab.   |  |               | Total                |  |  |
| Actual taught hours                      | 2   | 1      |  | 1  | 4             | 1                    |  |  |
| ( ) Yes, ( $$ ) I<br>1)<br>2)<br>3)      | vo. , 15 yes, pied  |        |  |  |               | .,                   |  |  |
| ľ  | Names of Lectures contributing to the delivery of the course. |        |  | <ol> <li>Dr. Safwat Abdelmeseh wilson</li> <li>Dr. Awad Rashad Syam</li> <li>3)</li> </ol> |               |                      |  |  |
| Members of course examination committee. |   |        | <ol> <li>Prof.Dr. Sobih M. Selim</li> <li>Dr. Safwat Abdelmeseh wilson</li> <li>Dr. Awad Rashad Syam</li> <li>Dr. Gaber M. Meligy</li> </ol> |  |               |                      |  |  |
| Dates of meeting of                      | course examin   | ation  | commit   | tee.   |               |                      |  |  |
| Course coordinator                       | Prof.Dr. So   | bih N  | 1. Selim   |  |               |                      |  |  |
| External evaluator                       | Prof Dr. Go   | alal R | Pabiea   |  |               |                      |  |  |

| 44                                      |     |     |          |        |           |        | <b>10.</b> C | y siuae      | nts comp | oleting | tne coi | he course |  |  |  |  |
|---|-----|-----|----------|--------|-----------|--------|--------------|--------------|----------|---------|---------|-----------|--|--|--|--|
|   |     |     |          |        |           | 44     |              | Y            |          |         |         |           |  |  |  |  |
| Dagulta of oc                           | 1   |     | a4d a4a  | Da     | aa a d    | No.    | 44           |              | - Failed | No.     | 0       |           |  |  |  |  |
| Results of completing students   Passed |     |     |          |        |           | %      | 100          | )            | - Failea | %       | 0       |           |  |  |  |  |
|   |     | G   | rading o | of con | ıpletin   | g stud | lents        | (of tot      | al pass) |         |         |           |  |  |  |  |
| Excellent A                             | Vo. | 3   | Very     | No.    | 6<br>13.6 | God    | nd.          | <i>No.</i> % | 9        | Pass    | No.     | 26        |  |  |  |  |
| Excellent $\frac{\Lambda}{\%}$          | 6   | 6.8 | Good     | %      | 13.6      | - 000  | M            | %            | 20.4     | i uss   | %       | 59        |  |  |  |  |



## جامعة المنوفية كلية الهندسة بشبين الكوم

3)

| 1  | <b>.</b> | ·      | 1    | 7  | C    |       |
|----|----------|--------|------|----|------|-------|
| U, | ) Pro    | tessia | onai | In | form | ation |

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| $ 1\rangle$  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| $ 1\rangle$  |
| 2)   |
| 3)   |

| 2) Student assessment                      |      |            |  |  |  |
|--|------|------------|--|--|--|
| Method of assessment                       | mark | % Of total |  |  |  |
| Final exam (Written)                       | 60   | 60         |  |  |  |
| End of term assessment (Oral)              | 20   | 20         |  |  |  |
| Laboratory assessment (Lab)                | 4    | 4          |  |  |  |
| Quiz Assessment (Term Work)                | 4    | 4          |  |  |  |
| Mid term written exam 2 (Term Work)        | 6    | 6          |  |  |  |
| Tutorial and report assessment (Term Work) | 6    | 6          |  |  |  |
| Total                                      | 100  | 100        |  |  |  |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |           |  |  |  |
|---|-----------|----------------------------|-----------|--|--|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |           |  |  |  |
| Practical Training  |           | Class activity             | $\sqrt{}$ |  |  |  |
| Laboratory  | V         | Case Study                 | V         |  |  |  |
| Seminar   |           | Other assignments/homework | 1/        |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |  |                   |                          |  |  |  |  |
|--|--|-------------------|--------------------------|--|--|--|--|
| Totally adequate                                       |  |                   |                          |  |  |  |  |
| Adequate to some extent                                | V  |                   |                          |  |  |  |  |
| Inadequate   |  |                   |                          |  |  |  |  |
| Reas   | Reasons of your choice: please check $\sqrt{}$ |                   |                          |  |  |  |  |
| ( )academic staff                                      | ()no   | n- academic staff | ()teaching accommodation |  |  |  |  |
| () library   | ( ) lab  | oratories         | ( ) IT facility          |  |  |  |  |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 5) Administrative Constrain         |                |                          |                    |
|-------------------------------------|----------------|--------------------------|--------------------|
|                                     |                |                          |                    |
| 6) Student evaluation of Course     |                | Comments of              | of Course Team     |
| ,                                   | 1)             |                          | <u>J</u>           |
|                                     | 2)             |                          |                    |
|                                     | 3)             |                          |                    |
| 7) Comment For External Evalua      | ator(s)        | Comme                    | nts of Course Team |
| 1)                                  | (5)            | 1)                       | ms of course reem  |
| 2)                                  |                | 2)                       |                    |
| 3)                                  |                | 3)                       |                    |
|                                     |                |                          |                    |
| 8) Course Enhancement               |                |                          |                    |
| Progress on actions identified in a |                |                          | ı plan:            |
| Action                              | Com            | pleted ( $\sqrt{or X}$ ) | Reasons            |
|                                     |                |                          |                    |
|                                     |                |                          |                    |
|                                     |                |                          |                    |
| 9) Action Plan For Academic Yea     | $\frac{1}{20}$ | /20 AD                   |                    |
| Action required                     |                | mpletion date            | Person responsible |
|                                     |                |                          |                    |
|                                     |                |                          |                    |
|                                     |                |                          |                    |
| Course coordinator                  |                |                          | Signature          |
| Dr. Hanafy Mohamad Shabana          |                |                          |                    |



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### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative Information                   |  |        |                              |             |        |           |                      |      |
|---|--|--------|------------------------------|-------------|--------|-----------|----------------------|------|
| Course Title H                                  | Hydraulic Systems                                      |        |                              |             |        | e         | <i>MPE421</i>        |      |
| Department offering the course Mech Power. Eng. |  |        |                              |             |        | l         | 4 <sup>th</sup> year |      |
| Programme on which                              | ch the course is                                       | giver  | ı                            | Mech. Pov   | ver E  | ng.       |                      |      |
| Department(s) offer                             | ing the progran  | nme    |                              | Mech Pow    | er. E  | ng.       |                      |      |
| Academic year                                   | 2013 /201  | 4      | AD                           | Semester    | ( )Fi  | rst,      | , (√)Se              | cond |
| Start data 0/2/2                                | 2013 AD  |        | End do                       | ıte         | 0      | /6        | /20 14               | AD   |
| A street to see 14 to see                       | Lecture  | Τι     | ıtorial                      | Lab.        |        |           | Tota                 | ıl   |
| Actual taught hours                             | 4  | 1      |                              | 1           |        | 6         |                      |      |
| Are there any differ                            | ence between th  | iese f | igures a                     | nd those sp | ecifie | <i>d?</i> |                      |      |
| ( )Yes, ( $\sqrt{}$ ) N                         | o., If yes, pleas                                      | se giv | e the red                    | asons:      |        |           |                      |      |
| 1)  |  |        |                              |             |        |           |                      |      |
| 2)  |  |        |                              |             |        |           |                      |      |
| 3)  |  |        |                              |             |        |           |                      |      |
| Names of Lectures of                            | contributing to  | 1)     | Dr. Me                       | ohamad Ab   | del A  | ziz       |                      |      |
| the delivery of the c                           | · ·  | 2)     | 2) Dr. Esam M.Wahba          |             |        |           |                      |      |
| the detirery of the e                           |  | 3)     |                              |             |        |           |                      |      |
| Members of course                               | examination  | 1)     | Dr. Mo                       | ohamad Ab   | del A  | ziz       |                      |      |
| committee.                                      | CAGITITICITION   | 2)     | 2) Prof. Mousa Mohamed Mousa |             |        |           |                      |      |
| communec.                                       |  |        | Dr. Esam M.Wahba             |             |        |           |                      |      |
|   | 3) Dr. Esam M.Wahba<br>4) Dr. Abo Elmahasen M. Elhanfy |        |                              |             |        |           |                      |      |
| Dates of meeting of                             | course examina   | ation  | committ                      | tee.        |        |           |                      |      |
| Course coordinator Prof.Dr. Sobih M. Selim      |  |        |                              |             |        |           |                      |      |
| External evaluator Prof Dr. Galal Rabiea        |  |        |                              |             |        |           |                      |      |

| No. of students starting the course     |     |      |           |        | No. of students completing the course |        |             |           |          |       |     |       |
|---|-----|------|-----------|--------|---------------------------------------|--------|-------------|-----------|----------|-------|-----|-------|
| 205                                     |     |      |           |        | 201                                   |        |             |           |          |       |     |       |
| Results of completing students   Passed |     |      |           | No.    | 19                                    | 6      | -<br>Failed | No.       | 5        | 5     |     |       |
| Results of completing students   Passed |     |      | sseu      | %      | 97.                                   | .5     | Типеи       | %         | 2.48     |       |     |       |
|   |     | G    | Frading o | of con | ıpletin                               | g stud | lents       | s (of tot | al pass) |       |     |       |
| Excellent                               | No. | 8    | Very      | No.    | 25                                    | God    | -d          | No.       | 60       | Pass  | No. | 103   |
| LACCHEIN                                | %   | 3.98 | Good      | %      | 12.4                                  | 300    | )u          | %         | 29.8     | 1 433 | %   | 51.24 |



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| Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. | If no, please give the reasons. |
|---|---------------------------------|
| 1)  |                                 |
| 2)  |                                 |
| 3)  |                                 |

C) Professional Information

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| $ 1\rangle$  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| $ 1\rangle$  |
| 2)   |
| 3)   |

| 2) Student assessment                      |      |            |  |  |  |
|--|------|------------|--|--|--|
| Method of assessment                       | mark | % Of total |  |  |  |
| Final Examination (written)                | 90   | 60 %       |  |  |  |
| End of term assessment (Oral)              | 15   | 10 %       |  |  |  |
| End of term laboratory examination (Lab)   | 7.5  | 5 %        |  |  |  |
| Laboratory reports                         | 7.5  | 5 %        |  |  |  |
| Quiz Assessment (Term Work))               | 10   | 7 %        |  |  |  |
| Mid term written exam 2 (Term Work)        | 12.5 | 8%         |  |  |  |
| Tutorial and report assessment (Term Work) | 7.5  | 5 %        |  |  |  |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |   |                            |   |  |  |  |
|---|---|----------------------------|---|--|--|--|
| Lectures  | V | Work Shop                  |   |  |  |  |
| Practical Training  |   | Class activity             | V |  |  |  |
| Laboratory  | V | Case Study                 |   |  |  |  |
| Seminar   |   | Other assignments/homework | V |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |   |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|
| Totally adequate                                       |   |  |  |  |  |  |  |  |  |
| Adequate to some extent                                | V |  |  |  |  |  |  |  |  |
| Inadequate   |   |  |  |  |  |  |  |  |  |
| Reasons of your choice: please check $$                |   |  |  |  |  |  |  |  |  |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| ( )academic staff                       | ( )non- aca    | demic staff                | ( )teaching accommodation |
|---|----------------|----------------------------|---------------------------|
| $(\sqrt{})$ library                     | /              | ratories                   | ( ) IT facility           |
| ( , , , , , , , , , , , , , , , , , , , | 1( , ) ::::    |                            |                           |
|   |                |                            |                           |
| 5) Administrative Constrain             | n              |                            |                           |
|   |                |                            |                           |
| 6) Student evaluation of Co             | ourse          | Commer                     | nts of Course Team        |
|   | 1)<br>2)<br>3) |                            |                           |
| 7) Comment For External .               | Evaluator(s)   | Con                        | nments of Course Team     |
| 1)                                      | Evaluator (s)  | 1)                         | mens of course rean       |
| $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$  |                | 2)                         |                           |
| 3)                                      |                | 3)                         |                           |
|   |                |                            |                           |
| 8) Course Enhancement                   |                |                            |                           |
| Progress on actions identifi            |                |                            |                           |
| Action                                  | Com            | pleted ( $\sqrt{a}$ or $2$ | X) Reasons                |
|   |                |                            |                           |
|   |                |                            |                           |
|   |                |                            |                           |
| 9) Action Plan For Academ               | ic Year 20     | /20 AD                     |                           |
| Action required                         | Con            | mpletion date              | Person responsible        |
|   |                |                            |                           |
|   |                |                            |                           |
|   |                |                            |                           |
| Course coordinator                      |                |                            | Signature                 |
| Dr. Mohamad Abdel Aziz                  |                |                            |                           |
| Date                                    |                |                            |                           |

محافظة المنوفية \_ شبين الكوم \_ ش جمال عبد الناصر ت : 048/2220395 \_ فاكس : 048/2235695 \_ فاكس : 048/2235695 \_ Menofiya - Shebin El-Koom - Gamal abd el naser st,

Tel / 048-2220395 - fax: 048-2235695



### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative Information                                 |                      |   |         |   |          |             |        |               |       |
|---|----------------------|---|---------|---|----------|-------------|--------|---------------|-------|
| Course Title  | Auto                 | omatic Cont   | trol    |   |          | Code        | MI     | PE422         |       |
|   |                      |   |         |   |          |             |        |               |       |
| Department offer  | ower Eng.            | Leve  | l Fo    | ourth yea   | r        |             |        |               |       |
| Programme on wi   | hich t               | he course is  | s giver | n   | Mechanic | al pou      | er En  | g.            |       |
| Department(s) off   | <sup>f</sup> ering   | the progra  | mme     |   | Mechanic | al pow      | er En  | g.            |       |
| Academic year   | 20                   | 13 / 2014   | ! 1     | AD  | Semester | ()1         | First, | $(\sqrt{)}Se$ | econd |
| Start data   12   | / 2                  | /2013 AL  | )       | End do  | ite      | 21          | /5     | /20 14        | AD    |
| A - 4 1 - 4 1 - 4 - 1   |                      | Lecture   | Tı      | ıtorial   | Lab.     |             |        | Total         |       |
| Actual taught hou   | $rs \mid 4$          | !   | 1       |   | 1        |             | 6      |               |       |
| ( )Yes, ( √ )<br>1)<br>2)<br>3)                               | No. ,                | If yes, plea  |         |   |          | <del></del> |        |               |       |
| Names of Lectures contributing to the delivery of the course. |                      |   |         | <ol> <li>Prof. Safwat M. Badra</li> <li>Dr. Ashraf Amin Hussin</li> </ol> |          |             |        |               |       |
| Members of cours committee.                                   | 1)<br>2)<br>3)<br>4) | <ul><li>2) Dr. Ashraf Amin Hussin</li><li>3) Dr. Hamdy Koth Mostafa</li></ul> |         |   |          |             |        |               |       |
| Dates of meeting  | of coi               | urse examin   | ation   | commit  | tee.     |             |        |               |       |
| Course coordinat  | or                   | Prof.Dr. Sc   | obih N  | 1. Selim  |          |             |        |               |       |
| External evaluato   | r                    | Prof Dr. G  | alal R  | ?abiea  |          |             |        |               |       |

| No. of students starting the course |                                |         |                         |        | No               | No. of students completing the course |      |         |          |          |       |      |
|-------------------------------------|--------------------------------|---------|-------------------------|--------|------------------|---------------------------------------|------|---------|----------|----------|-------|------|
| 203 202                             |                                |         |                         |        |                  |                                       |      |         |          |          |       |      |
| Pagults of completing students      |                                |         |                         | Pas    | Passed 1         |                                       | 19   | 8       | Failed   | No.      | 4     |      |
| Resuits Of                          | Results of completing students |         | 1 as                    | rassea |                  | 98                                    |      | ranea   | %        | 1.9      | 98    |      |
|                                     |                                | Gr      | ading of                | comp   | leting           | z stude                               | ents | (of tot | al pass  | )        |       |      |
| Excellent                           | No.                            | 3       |                         | No.    | 20               | God                                   | Good | No.     | 55       | Pass     | No.   | 120  |
| LACCHEIN                            | %                              | 1.48    | Good                    | %      | 9.9              | 000                                   |      | %       | 27.22    | 1 ass    | %     | 59.4 |
| Are the gr                          | ades                           | accenta | $able^{\frac{1}{2}}$ (* | · Yo   | $s \overline{(}$ | $N_{0}$                               | If 1 | no nle  | ase give | o the re | asons |      |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 1)                                      |                    |              |  |
|---|--------------------|--------------|--|
| 2)                                      |                    |              |  |
| 3)                                      |                    |              |  |
|   |                    |              |  |
|   |                    |              |  |
| C) Professional Informati               | tion               |              |  |
| 1) Course teaching                      |                    |              |  |
| Topics taught as a percen               | tage of those sp   | ecified: (   | √ ) 100 % ( ) < 100%                     |
| If the percentage is less th            | nan 100%, pleas    | se give reas | sons for not teaching any topic:         |
| 1)                                      |                    |              |  |
| 2)                                      |                    |              |  |
| 3)                                      |                    |              |  |
| Referring to the course sp              | pecification, plea | ase list any | ILO's specified but not taught.          |
| 1)                                      |                    |              |  |
| 2)                                      |                    |              |  |
| 3)                                      |                    |              |  |
| 21.00                                   |                    |              |  |
| 2) Student assessment                   |                    | 1 1          | 0/ 6 1                                   |
| Method of asse                          | ssment             | mark         | % of total                               |
| Final term examination                  |                    | 90           | 60                                       |
| Mid term examination                    |                    | 20           |  |
| Oral examination                        | • .•               | 30           | 20                                       |
| Practical / Laboratory ex               | amination.         | 20           | 15                                       |
| Semester work                           |                    | 10           | 5  |
| Other types of assessment               | <u> </u>           | 1.50         | 100.07                                   |
| Total                                   |                    | 150          | 100 %                                    |
| 2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 3.4 .1 1 (1        | . 11_        | .1 375                                   |
| 3) Teaching and Learnin                 | 1                  | 1            | ·  |
| Lectures                                | V                  | Work Sho     |  |
| Practical Training                      | V                  | Class act    |  |
| Laboratory                              | V                  | Case Stud    | •  |
| Seminar                                 |                    | Otner ass    | rignments/homework   √                   |
| 4) Facilities and Teaching              | Materials : pl     | agga chack   | 1/                                       |
| Totally adequate                        | z Maieriais . pie  | euse check   | V  |
|   | <b>√</b>           |              |  |
| Adequate to some extent Inadequate      | V                  |              |  |
| 4                                       | easons of your ci  | hoice: plea  | sa chack 1/                              |
| ( )academic staff                       |                    |              | $f(\sqrt{\cdot})$ teaching accommodation |

) laboratories

) IT facility

) library



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |   |               |  |  |  |  |  |  |  |
|--|---|---------------|--|--|--|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |   |               |  |  |  |  |  |  |  |
| Action   Completed ( $\sqrt{or X}$ )   Reasons                     |   |               |  |  |  |  |  |  |  |
| Renewable energy   | X | I do not know |  |  |  |  |  |  |  |
| Environment lab,   |   |               |  |  |  |  |  |  |  |
|  |   |               |  |  |  |  |  |  |  |

| 9) Action Plan For Academic Year | 20 /20 AD       |                    |
|----------------------------------|-----------------|--------------------|
| Action required                  | Completion date | Person responsible |
|                                  |                 |                    |
|                                  |                 |                    |
|                                  |                 |                    |

Course coordinator

Prof. Dr. Safwat M. Badra

Signature



### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative I  | nformation                            |                |  |          |                           |          |  |  |
|--|---------------------------------------|----------------|--|----------|---------------------------|----------|--|--|
| Course Title [   | J <mark>nsteady F</mark> li           | uid Dy         | namics   | 5        | Code                      | MPE423A  |  |  |
| Department offering  | the course                            | Eng.           | Level 4th year   |          |                           |          |  |  |
| Programme on which   | h the course                          | is giver       | n  | Mech Pov | ver. Eng                  | g. Dept. |  |  |
| Department(s) offer  | атте                                  |                | Mech Pov   | ver. Eng | g. Dept.                  |          |  |  |
| Academic year  | 14                                    | AD             | Semester   | ( )Fi    | Frst, ( $\sqrt{}$ )Second |          |  |  |
| Start data 22/2  | /20 13 A                              | $\overline{D}$ | End do   | ite      | 31/5/2                    | 014      |  |  |
| A - 4 1 4 1 1 - 4 1  | Lecture                               | Tı             | ıtorial  | Lab.     |                           | Total    |  |  |
| Actual taught hours  | 3                                     | 3              |  | _        | $\epsilon$                | Ó        |  |  |
| Are there any difference between these figures and those specified?  ( )Yes, ( √) No., If yes, please give the reasons:  1) 2) 3)  Names of Lectures contributing to the delivery of the course.  1) Prof. Dr. Mostafa Naser Mohammed 2) Prof. Dr. Wageih Ahmed Elaskary |                                       |                |  |          |                           |          |  |  |
| the delivery of the committee.  Dates of meeting of Course coordinator   | examination  course exami  Prof.Dr. S | Sobih M        | <ol> <li>Prof. Dr. Mostafa Naser Mohammed</li> <li>Prof. Dr. Wageih Ahmed Elaskary</li> <li>Dr. Mohamad Abdel Aziz</li> <li>Dr. ismail sakr</li> </ol> |          |                           |          |  |  |
| External evaluator   | Prof Dr. 0                            | saiai K        | aviea  |          |                           |          |  |  |

| 2) 2000   |                                | $j$ $\circ$ $\cdot$ |          |        |                                       |       |          |         |          |       |     |      |
|---|--------------------------------|---|----------|--------|---------------------------------------|-------|----------|---------|----------|-------|-----|------|
| No. of students starting the course   |                                |   |          |        | No. of students completing the course |       |          |         |          |       |     |      |
| 68  |                                |   |          |        | 68                                    |       |          |         |          |       |     |      |
| Results of completing students  |                                |   |          |        | Passed                                |       | 68       |         | Failed   | No.   | 0   |      |
| Resuits Of  | Results of completing students |   |          |        | 1 assea                               |       | 10       | 0       | Типеи    | %     | 0   |      |
|   |                                | Gr  | ading of | f comp | leting                                | stude | ents     | (of tot | al pass, | )     |     |      |
| Excellent   | No.                            | 11  | Very     | No.    | 15                                    | God   | nd       | No.     | 23 Pas.  | Pass  | No. | 19   |
|   | %                              | 16.17   | Good     | %      | 22                                    | 000   | <i>i</i> | %       | 33.8     | 1 ass | %   | 27.9 |
| Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons. |                                |   |          |        |                                       |       |          |         |          |       |     |      |



جامعة المنوفية كلية الهندسة بشبين الكوم

| 1)  |                    |                   |                    |                                       |
|---|--------------------|-------------------|--------------------|---------------------------------------|
| 2)  |                    |                   |                    |                                       |
| 3)  |                    |                   |                    |                                       |
|   |                    |                   |                    |                                       |
|   |                    |                   |                    |                                       |
| C) Professional Inform                    | nation             |                   |                    |                                       |
| 1) Course teaching                        |                    |                   |                    |                                       |
| Topics taught as a perc                   | centage of those s | specified: $()$   | 100 % ( ) < 10     | 00%                                   |
| If the percentage is less                 |                    | = -               |                    |                                       |
| 1)  | 2 1 0 0 7 s, p 100 | 6.,               | , e                | mily repres                           |
| 2)  |                    |                   |                    |                                       |
| 3)  |                    |                   |                    |                                       |
| Referring to the course                   | specification, pl  | ease list any ILO | 's specified but n | ot taught.                            |
| 1)  |                    | ·                 | 1 0                | O                                     |
| 2) NON                                    |                    |                   |                    |                                       |
| 3)  |                    |                   |                    |                                       |
|   |                    |                   |                    |                                       |
| 2) Student assessment                     |                    |                   |                    |                                       |
| Method of as                              |                    | mark              | % of tota          | ıl                                    |
| Final term examination                    | n                  |                   |                    |                                       |
| Mid term examination                      |                    |                   |                    |                                       |
| Oral examination                          |                    |                   |                    |                                       |
| Practical / Laboratory                    | examination.       |                   |                    |                                       |
| Semester work                             |                    |                   |                    |                                       |
| Other types of assessm                    | ent                |                   |                    |                                       |
| Total                                     |                    | 150               | 100 %              |                                       |
| 2 ) T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                    | 1 1 1             | <b>T</b> Z\        |                                       |
| 3) Teaching and Learn                     | Ĭ                  | 1                 | or X)              | Ī                                     |
| <u>Lectures</u>                           | V                  | Work Shop         |                    | 1                                     |
| Practical Training                        | V                  | Class activity    |                    | <b>V</b>                              |
| <u>Laboratory</u>                         | V                  | Case Study        |                    | 1                                     |
| Seminar                                   | -                  | Other assignm     | nents/homework     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| 4) Facilities and Teach                   | ning Materials : n | Jease check 1     |                    |                                       |
| Totally adequate                          | ing muierius. p    | icuse check y     |                    |                                       |
| Adequate to some exten                    | $nt$ $\sqrt{}$     |                   |                    |                                       |
| Inadequate                                | 1                  |                   |                    |                                       |
| <u> тинсуник</u>                          | Reasons of your    | choice: please cl | heck √             |                                       |
|   |                    | _                 | )teaching acco     | mmodation                             |
| ( )academic staff                         | ( )non- ac         | cademic staff   ( | neaching acco      | mmoaanon                              |



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| ( ) library                         | ( ) labora     | tories (                 | ) IT facility        |
|-------------------------------------|----------------|--------------------------|----------------------|
|                                     |                |                          |                      |
| 5) Administrative Constrain         |                |                          |                      |
|                                     |                |                          |                      |
| 6) Student evaluation of Cou        | urse           | Comment                  | s of Course Team     |
| ,                                   | 1)<br>2)<br>3) |                          | J                    |
|                                     |                |                          |                      |
| 7) Comment For External E  1) 2) 3) | valuator(s)    | 1) 2) 3)                 | nents of Course Team |
| /                                   |                | -,                       |                      |
| 8) Course Enhancement               |                |                          |                      |
| Progress on actions identifie       | d in the prev  | ious vear's acti         | ion plan:            |
| Action                              |                | pleted ( $\sqrt{or X}$ ) |                      |
|                                     |                |                          |                      |
|                                     |                |                          |                      |
|                                     |                |                          |                      |
| 9) Action Plan For Academic         | c Year 20      | 20 AD                    |                      |
| Action required                     |                | npletion date            | Person responsible   |
|                                     |                |                          | _                    |
|                                     |                |                          |                      |
| Course coordinator                  |                |                          | Signature            |
| Prof. Dr. Mostafa Naser Mo          | hammed         |                          | 2.3                  |
| Dr . Wageih Ahmed Elaskar           |                |                          |                      |



جامعة المنوفية كلية الهندسة بشبين الكوم

### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aummismunve  | mjormanon          |  |                      |       |         |          |                          |
|---|--------------------|--|----------------------|-------|---------|----------|--------------------------|
| Course Title  | Maintenance and    | Code   | MPE423C              |       |         |          |                          |
| Department offering the course       Mech Power. Eng.       Level 4th         Programme on which the course is given       Mech. Power Eng.         Department(s) offering the programme       Mech Power. Eng.         Academic year       2013 /2014 AD Semester () First, ()         Start data       /2 /2013 AD End date /6 /20 1         Actual taught hours       Lecture Tutorial Lab.         3       2         1       Are there any difference between these figures and those specified?         ( ) Yes, ( √) No. , If yes, please give the reasons:         1)       2)         3)       Dr. Gaber Mahmoud Asar         2)       Dr. Awad Rashad Syam         3)       Prof. Dr. Mohamad Khalil         3)       Dr. Awad Rashad Syam         4)       Prof. Dr. Mohamed Abd El-W |                    |  | 4 <sup>th</sup> year |       |         |          |                          |
| Programme on wh   | nich the course is | giver  | $\imath$             | Med   | ch. Pov | ver En   | g.                       |
| Department(s) off   | ering the program  | mme  |                      | Med   | ch Pow  | er. En   | g.                       |
| Academic year   | 2013 /2014         | 4  | AD                   | Sem   | ester   | ( )Fii   | rst, ( $\sqrt{}$ )Second |
| Start data /2 /   | 2013 AD            |  | End do               | ıte   |         | /6       | /20 14 AD                |
| A atual tanaht han  | Lecture            | $T\iota$   | ıtorial              |       | Lab.    |          | Total                    |
| Actual laughi nou   | $rs \mid 3$        | 2  |                      | 1     |         | (        | 5                        |
| Are there any diffe   | erence between tl  | hese f   | igures a             | nd th | iose sp | pecified | !?                       |
| ( ) Yes, ( $\sqrt{}$ )  | No., If yes, plea  | ise gi   | ve the re            | ason  | es:     |          |                          |
| 1)  |                    |  |                      |       |         |          |                          |
|   |                    |  |                      |       |         |          |                          |
| 3)  |                    | 1  |                      |       |         |          |                          |
| Names of Lectures   | s contributing to  | 1 1  |                      | -     |         |          | ar                       |
| · ·   | · ·                | 1 1  | Dr. Av               | rad R | Rashad  | Syam     |                          |
|   |                    | <del>                                     </del> |                      |       |         |          |                          |
| Members of cours  | e examination      | 1 1  |                      |       |         |          |                          |
| •   |                    | 1  | v                    |       |         |          | lil                      |
|   |                    | · ′  |                      |       |         | •        |                          |
|   |                    | 4)   | Prof. I              | Or. M | Ioham   | ed Abd   | El-Warth Habib           |
|   |                    |  |                      |       |         |          |                          |
| Dates of meeting of   |                    |  |                      | tee.  |         |          |                          |
| Course coordinate   |                    |  |                      |       |         |          |                          |
| External evaluato   | r Prof Dr. Go      | alal R   | abiea                |       |         |          |                          |

| No. of students starting the course |                                |        |                  |          | 1       | No. of students completing the course |      |             |            |         |       |      |
|-------------------------------------|--------------------------------|--------|------------------|----------|---------|---------------------------------------|------|-------------|------------|---------|-------|------|
| 45                                  |                                |        |                  |          |         | 45                                    |      |             |            |         |       |      |
| Pagulta of completing atudents      |                                |        | $\mathbf{p}_{a}$ | Passed 1 |         | 45                                    |      | –<br>Failea | No.        | 0       |       |      |
| Resuits Of                          | Results of completing students |        | 1 4              | russea   |         | 10                                    | 0    | Tanea       | %          | 0       |       |      |
|                                     |                                | C      | Grading o        | of con   | ıpletir | ig stud                               | lent | s (of to    | tal pass)  |         |       |      |
| Excellent                           | No.                            | 3      | Very             | No.      | 11      | God                                   | Good |             | 12         | Pass    | No.   | 19   |
| Excellent                           | %                              | 6.6    | Good             | %        | 24.4    |                                       | M    | %           | 26.6       | 1 ass   | %     | 42.2 |
| Are the gr                          | rades                          | accept | able? (1         | / ) Ye   | es, (   | ) <i>No</i> .                         | If 1 | no, pled    | ase give i | the rea | sons. |      |



جامعة المنوفية كلية الهندسة بشبين الكوم

| 1)        |  |  |  |
|-----------|--|--|--|
| 2)        |  |  |  |
| <i>3)</i> |  |  |  |
|           |  |  |  |

C) Professional Information

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( ) $100\%$ ( $\sqrt{}$ ) < $100\%$  |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1)   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2)   |
| 3)   |

| 2) Student assessment                                    |      |            |
|--|------|------------|
| Method of assessment                                     | mark | % Of total |
| Final Examination (written)                              | 90   | 60 %       |
| End of term assessment (Oral)                            | 10   | 6.67 %     |
| End of term laboratory examination (Lab)                 | 10   | 6.67%      |
| Mid term written Examination1 (Term Work)                | 20   | 13.3%      |
| Mid term written Examination 2 (Term Work)               | 5    | 3.34%      |
| Tutorial and report assessment (Term Work)               | 5    | 3.34%      |
| Sample homework (projects ) computer and internet search | 5    | 3.34%      |
| Technical laboratory reports                             | 5    | 3.34%      |
| Total  | 150  | 100%       |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |   |                            |           |  |  |  |  |  |
|---|---|----------------------------|-----------|--|--|--|--|--|
| Lectures  | V | Work Shop                  |           |  |  |  |  |  |
| Practical Training  | V | Class activity             | $\sqrt{}$ |  |  |  |  |  |
| Laboratory  | V | Case Study                 | V         |  |  |  |  |  |
| Seminar   |   | Other assignments/homework | V         |  |  |  |  |  |

| 4) Facilities and Teaching Materials : please check √  Totally adequate  Adequate to some extent √ |           |  |  |  |  |  |  |
|--|-----------|--|--|--|--|--|--|
| Totally adequate   |           |  |  |  |  |  |  |
| Adequate to some extent  | $\sqrt{}$ |  |  |  |  |  |  |



# جامعة المنوفية كلية الهندسة بشبين الكوم

| Inadequate                    |  |                          |  |  |
|-------------------------------|--|--------------------------|--|--|
| Reas                          | ons of your choice: please             | check $\sqrt{}$          |  |  |
| ( )academic staff             | ( )non- academic staff                 | ()teaching accommodation |  |  |
| () library                    | () laboratories                        | ( ) IT facility          |  |  |
| <u> </u>                      |  |                          |  |  |
|                               |  |                          |  |  |
| 5) Administrative Constrain   |  |                          |  |  |
|                               |  |                          |  |  |
| 6) Student analystics of Co.  | Commo                                  | nts of Course Team       |  |  |
| 6) Student evaluation of Cou  |  | nts of Course Team       |  |  |
|                               | 1)<br>2)                               |                          |  |  |
|                               | $\begin{pmatrix} 2 \\ 3 \end{pmatrix}$ |                          |  |  |
|                               | [3]                                    |                          |  |  |
| 7) Comment For External B     | Evaluator(s) Cor                       | nments of Course Team    |  |  |
| 1)                            | 1)                                     | J                        |  |  |
| 2)                            | 2)                                     |                          |  |  |
| 3)                            | $\overrightarrow{3}$ )                 |                          |  |  |
|                               |  |                          |  |  |
| 8) Course Enhancement         |  |                          |  |  |
| Progress on actions identifie | ed in the previous year's a            | ction plan:              |  |  |
| Action                        | Completed (√ or                        |                          |  |  |
|                               | •                                      |                          |  |  |
|                               |  |                          |  |  |
|                               |  |                          |  |  |
|                               |  |                          |  |  |
| 9) Action Plan For Academi    | ic Year 20 /20 AD                      |                          |  |  |
| Action required               | Completion date                        | Person responsible       |  |  |
|                               |  |                          |  |  |
|                               |  |                          |  |  |
|                               |  |                          |  |  |
| Course coordinator            |  | Signature                |  |  |
| Dr. Hanafy Mohamad Shabe      | ana                                    |                          |  |  |



### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative I     | ijoimaion        |                               |           |             |                   |             |  |
|-------------------------|------------------|-------------------------------|-----------|-------------|-------------------|-------------|--|
| II ;                    | lective course   | - Env                         | ironmei   | ntal        | Code              | MPE 424 A   |  |
| $oldsymbol{E}$          | ngineering       |                               |           |             |                   |             |  |
| Department offering     | g the course   1 | Mecha                         | anical po | ower Eng.   | Level             | Fourth year |  |
| Programme on which      | ch the course is | giver                         | ı         | Mechanic    | al power          | r Eng.      |  |
| Department(s) offer     | ing the progra   | mme                           |           | Mechanic    | al power          | r Eng.      |  |
| Academic year           | 4                | AD                            | Semester  | ( )Fi       | rst, ( $$ )Second |             |  |
| Start data 2 /          |                  |                               | End do    | ite         | /6                | /20 14 AD   |  |
| A 1 4 1 . 4 1           | Lecture          | Tu                            | ıtorial   | Lab.        |                   | Total       |  |
| Actual taught hours     | 3                | 2                             |           | 1           | 6                 |             |  |
| Are there any differ    | ence between t   | hese f                        | igures a  | nd those sp | ecified?          | )           |  |
| ( )Yes, ( $\sqrt{}$ ) N | o., If yes, plea | se giv                        | e the red | asons:      |                   |             |  |
| 1)                      |                  |                               |           |             |                   |             |  |
| 2)                      |                  |                               |           |             |                   |             |  |
| 3)                      |                  |                               |           |             |                   |             |  |
| Names of Lectures o     | contributing to  | 1)                            | Dr. Al    | hmed El-Ho  | aroun             |             |  |
| the delivery of the c   | · ·              | 2) Prof. Dr. Nabil H. Mahmoud |           |             |                   |             |  |
|                         | ourse.           |                               |           |             |                   |             |  |
| Members of course       | examination      | 1)                            | Dr. Ah    | med El-Ha   | roun              |             |  |
| committee.              | слатинанон       | 2)                            | Prof. I   | Dr. Nabil H | . Mahm            | oud         |  |
| communec.               |                  | 3) Prof.Dr. fathy M. Mahfouz  |           |             |                   |             |  |
|                         |                  | 4)                            | Dr. Me    | ohamad Ab   | del Aziz          |             |  |
| Dates of meeting of     | course examin    | ation                         | commit    | tee.        |                   |             |  |
| Course coordinator      | Prof.Dr. So      | bih M                         | 1. Selim  |             |                   |             |  |
| External evaluator      | Prof Dr. G       | alal R                        | abiea     |             |                   |             |  |

B) Statistical Information

| / ·-··································· |         |                      |                            |                   |                                       |          |         |          |          |         |    |
|---|---------|----------------------|----------------------------|-------------------|---------------------------------------|----------|---------|----------|----------|---------|----|
| No. of students starting the course     |         |                      |                            |                   | No. of students completing the course |          |         |          |          |         |    |
| 71                                      |         |                      |                            |                   | 70                                    |          |         |          |          |         |    |
| Results of completing students          |         |                      |                            | Danas             |                                       | 70       |         | Failed   | No.      | 0       |    |
| Results of comp                         | neung , | siuaenis             | 1 as                       | Passed            |                                       | 10       | 0       | тапеа    | %        | 0       |    |
|   | Gr      | ading of             | comp                       | leting            | stude                                 | ents     | (of tot | al pass, | )        |         |    |
| <u> </u>                                |         | Very                 | No.                        | Vo. 11            |                                       | od       | No.     | 20       | Pass     | No.     | 35 |
| Excertent %                             | 5.7     | Good                 | %                          | 15.7              | 000                                   | <i>7</i> | %       | 28.6     | 1 ass    | %       | 50 |
| Are the grades                          | accepta | $able?$ ( $^{\flat}$ | $\times$ ) $\overline{Ye}$ | $s. \overline{(}$ | No.                                   | If r     | io. ple | ase give | e the re | easons. |    |

Are the grades acceptable? (\*) Yes, ( ) No. If no, please give the reasons 1)

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| 2 | ) |
|---|---|
| 3 | ) |

| $\boldsymbol{C}$ ) | <b>Professional</b> | Inform | ation |
|--------------------|---------------------|--------|-------|
| $\sim$             |                     |        |       |

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{\ }$ ) 100 % ( ) < 100%     |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| (1)  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| I)   |
| 2)   |
| 3)   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 15   | 10         |
| Oral examination                    | 15   | 10         |
| Practical / Laboratory examination. | 15   | 10         |
| Semester work                       | 7.5  | 5          |
| Other types of assessment           | 7.5  | 5          |
| Total                               | 150  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |              |                            |           |
|---|--------------|----------------------------|-----------|
| Lectures  | $\checkmark$ | Work Shop                  |           |
| Practical Training  | $\sqrt{}$    | Class activity             |           |
| Laboratory  |              | Case Study                 |           |
| Seminar   | $\sqrt{}$    | Other assignments/homework | $\sqrt{}$ |

| 4) Facilities and Teaching M | <i>lateria</i> | ls : please check $$ |     |                         |
|------------------------------|----------------|----------------------|-----|-------------------------|
| Totally adequate             |                |                      |     |                         |
| Adequate to some extent      | $\sqrt{}$      |                      |     |                         |
| Inadequate                   |                |                      |     |                         |
| Reas                         | ons of y       | our choice: please   | che | eck √                   |
| ( )academic staff            | ()no           | n- academic staff    | (√  | )teaching accommodation |
| ( ) library                  | $(\sqrt{})$    | aboratories          | (   | ) IT facility           |

|              |                        |       | . •   |          | •                                       |
|--------------|------------------------|-------|-------|----------|---|
| <b>^</b> 1 / | dini                   | niatr | atina | Const    | 111111111111111111111111111111111111111 |
| ) I /        | <i><b>11111111</b></i> |       | IIIVP | V AMENIA | , , , , , , ,                           |
|              |                        |       |       |          |   |



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| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | (3)                     |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |   |               |  |  |  |  |
|--|---|---------------|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |   |               |  |  |  |  |
| Action Completed ( $\sqrt{or X}$ ) Reasons                         |   |               |  |  |  |  |
| Renewable energy   | X | I do not know |  |  |  |  |
| Environment lab,   |   |               |  |  |  |  |
|  |   |               |  |  |  |  |

| 9) Action Plan For Academic Year | 20 /20 AD       |                    |
|----------------------------------|-----------------|--------------------|
| Action required                  | Completion date | Person responsible |
|                                  |                 |                    |
|                                  |                 |                    |
|                                  |                 |                    |

Course coordinator Prof. Dr. / Ahmed A Elharon Signature



### ANNUAL COURSE REPORT

A \ Administrative Information

| A) Administrative In  | <i>iformation</i> |        |          |             |         |                        |
|---|-------------------|--------|----------|-------------|---------|------------------------|
| Course Title Fu   | el Systems in IC  | CE     |          |             | Code    | e MPE424C              |
| Department offering   | the course   1    | Mech   | Power.   | Eng.        | Leve    | l 4 <sup>th</sup> year |
| Programme on which  | h the course is   | giver  | i        | Mech. Por   | wer Ei  | ıg.                    |
| Department(s) offeri  | ng the program    | mme    |          | Mech Pow    | ver. Ei | ng.                    |
| Academic year   | 2013 /2014        | 4      | AD       | Semester    | ()F     | irst, (√)Second        |
| Start data /2/20  | 13 <i>AD</i>      |        | End da   | ıte         | /       | 6/20 14 AD             |
| A strial tarrelet le sura   | Lecture           | Τι     | ıtorial  | Lab.        |         | Total                  |
| Actual taught hours   | 3                 | 2      |          | 1           |         | 6                      |
| Are there any differe   | nce between th    | hese f | igures a | nd those sp | pecifie | <i>d</i> ?             |
| <ul> <li>( ) Yes, ( √ ) No., If yes, please give the reasons:</li> <li>1)</li> <li>2)</li> <li>3)</li> </ul>  |                   |        |          |             |         |                        |
| Names of Lectures contributing to the delivery of the course.  1) Dr. Safwat Abdelmeseh wilson Dr. Awad Rashad Syam 3)                                |                   |        |          |             |         |                        |
| Members of course examination committee.  1) Dr. Safwat Abdelmeseh Wilson 2) Dr. Awad Rashad Syam 3) Dr. Gaber Mahmoud Asar 4) Prof Dr .Taher I Sabry |                   |        |          |             |         |                        |
| Dates of meeting of a   | course examin     | ation  |          |             |         |                        |
| Course coordinator  |                   |        |          |             |         |                        |
| External evaluator  | Prof Dr. Go       | alal R | abiea    |             |         |                        |

| b) Statistical Information  |              | 1   |              |           |        |         |       |
|---|--------------|-----|--------------|-----------|--------|---------|-------|
| No. of students starting the course   |              |     | Vo. of stude | nts compl | leting | the cou | rse   |
| 46  |              | 46  |              |           |        |         |       |
| Results of completing students   Passec   |              | No. | 45           | Failed    | No.    | 1       |       |
| Results of completing students  | rassea       | %   | 97.8         | Ганеа     | %      | 2.1     | 7     |
| Grading of completing students (of total pass)  |              |     |              |           |        |         |       |
| Excellent No. 1 Very  | <i>No.</i> 2 | Goo | od No.       | 14        | Pass   | No.     | 28    |
| Excellent No. 1 Very Good   | % 4.347      | 7   | %            | 30.43     | i uss  | %       | 60.86 |
| Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons. |              |     |              |           |        |         |       |
| 1)  |              |     | •            | -         |        |         |       |
| 2)  |              |     |              |           |        |         |       |



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3)

| 1  | <b>.</b> | ·      | 1    | 7  | C    |       |
|----|----------|--------|------|----|------|-------|
| U, | ) Pro    | tessia | onai | In | form | ation |

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( ) $100\%$ ( $\sqrt{}$ ) < $100\%$  |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1)   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2)   |
| 3)   |

| 2) Student assessment                      |      |            |  |  |  |
|--|------|------------|--|--|--|
| Method of assessment                       | mark | % Of total |  |  |  |
| Final exam (Written)                       | 90   | 60         |  |  |  |
| End of term assessment (Oral)              | 30   | 20         |  |  |  |
| Laboratory assessment (Lab)                | 6    | 4          |  |  |  |
| Quiz Assessment (Term Work)                | 6    | 4          |  |  |  |
| Mid term written exam 2 (Term Work)        | 9    | 6          |  |  |  |
| Tutorial and report assessment (Term Work) | 9    | 6          |  |  |  |
| Total                                      | 150  | 100        |  |  |  |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |   |                            |   |  |  |
|---|---|----------------------------|---|--|--|
| Lectures  |   | Work Shop                  |   |  |  |
| Practical Training  | V | Class activity             | V |  |  |
| Laboratory  | V | Case Study                 | V |  |  |
| Seminar   |   | Other assignments/homework | V |  |  |

| 4) Facilities and Teaching Materials : please check $$ |          |                     |                              |  |  |
|--|----------|---------------------|------------------------------|--|--|
| Totally adequate                                       |          |                     |                              |  |  |
| Adequate to some extent                                | V        |                     |                              |  |  |
| Inadequate   |          |                     |                              |  |  |
| Reas   | ons of y | your choice: please | check √                      |  |  |
| ( )academic staff                                      | ( )no    | n- academic staff   | ( $$ )teaching accommodation |  |  |
| () library   | ( ) lab  | oratories           | ( ) IT facility              |  |  |



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| 5) Administrative Constrain       |                             |                          |                    |  |
|-----------------------------------|-----------------------------|--------------------------|--------------------|--|
|                                   |                             |                          |                    |  |
| 6) Student evaluation of Course   | ?                           | Comments of              | f Course Team      |  |
|                                   | 1)                          |                          |                    |  |
|                                   | <i>2) 3)</i>                |                          |                    |  |
|                                   | <u> </u>                    |                          |                    |  |
| 7) Comment For External Eval      | uator(s)                    |                          | its of Course Team |  |
| 1)                                |                             | 1)                       |                    |  |
| 2)                                |                             | 2)                       |                    |  |
| 3)                                |                             | 3)                       |                    |  |
|                                   |                             |                          |                    |  |
| 8) Course Enhancement             |                             |                          |                    |  |
| Progress on actions identified in | n the prev                  | ious year's action       | plan:              |  |
| Action                            |                             | pleted ( $\sqrt{or X}$ ) | Reasons            |  |
|                                   |                             |                          |                    |  |
|                                   |                             |                          |                    |  |
|                                   |                             |                          |                    |  |
|                                   |                             | •                        |                    |  |
| 9) Action Plan For Academic Yo    | ear 20                      | /20 AD                   |                    |  |
| Action required                   | Completion date Person resp |                          |                    |  |
|                                   |                             |                          | ^                  |  |
|                                   |                             |                          |                    |  |
|                                   |                             |                          |                    |  |
| Course coordinator                |                             |                          | Signature          |  |
| Dr. Safwat Abdelmeseh wilson      |                             |                          | -                  |  |



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### ANNUAL COURSE REPORT

A) Administrative Information

| MPE211 C   | ·                | mo    | dynam    | ic (2     | <u> </u> |        |       | Cor     | urse Title   |
|--|------------------|-------|----------|-----------|----------|--------|-------|---------|--------------|
| and -  |                  |       |          |           | _        |        |       |         |              |
|  |                  | Pon   | ver. Eng |           |          |        |       |         | g the course |
| Mech Power. Eng. Do  | ept.             |       | Progra   | ımme      | on wh    | ich tl | he c  | ourse i | s given      |
| Mech Power. Eng. De  | ept.             |       | Depar    | tment     | (s) offe | ering  | the   | progra  | тте          |
| $(\sqrt{)}First, (\sqrt{)}Sec$                             | ond Semes        | ter   | 2013     | /20       | 14       | AL     | )     | Acade   | emic year    |
| 26/12/2013   | End de           | ate   |          | /10       | 0 /20    | 13     | AL    | )       | Start data   |
| Total  | Lab.             |       | Tutor    | ial       | Lea      | ture   |       |         |              |
| 7  | 1                |       | 2        |           | 4        |        |       |         |              |
| Are there any differen                                     | nce between i    | thes  | e figure | s and     | those    | speci  | ified | ?       |              |
| $()$ Yes, $(\sqrt{)}$ No.                                  | . , If yes, plea | ise į | give the | reasc     | ons:     |        |       |         |              |
| 1)   |                  |       |          |           |          |        |       |         |              |
| 2)   |                  |       |          |           |          |        |       |         |              |
| 3)   |                  |       |          |           |          |        |       |         |              |
| Prof Prof. Ali Elg   | halban           |       |          | <i>1)</i> |          |        |       |         |              |
| Dr. El- Said H. Farg                                       | 5                |       |          | 2)        |          |        |       |         |              |
|  |                  |       |          | <i>3)</i> |          |        |       |         |              |
| Prof Dr Prof. Ali  | Elghalban        |       |          | 1)        |          |        |       |         |              |
| Dr. El- Said H. Farg                                       |                  |       |          | 2)        |          |        |       |         |              |
| Dr. Ahmed El-Said ha                                       | anfy .           |       |          | <i>3)</i> |          |        |       |         |              |
| 1/1/2014 Dates of meeting of course examination committee. |                  |       |          |           |          |        |       |         |              |
| Prof Prof. Ali Elghalban                                   |                  |       |          |           |          |        | C     | ourse c | coordinator  |
| Prof Dr. Mostafa Ahr                                       | ned Ismaiel      |       |          |           |          |        | E.    | xternal | evaluator    |

| D) Statistical Injointation           |   |    |         |                                     |     |       |        |         |          |      |     |    |
|---------------------------------------|---|----|---------|-------------------------------------|-----|-------|--------|---------|----------|------|-----|----|
| No. of students completing the course |   |    |         | No. of students starting the course |     |       |        |         |          |      |     |    |
| 199                                   |   |    |         |                                     |     |       | 202    |         |          |      |     |    |
| 29                                    | No  | ). |         | 170                                 |     | No.   |        |         |          |      |     |    |
| 14.57                                 | %   |    |         | 85.43                               |     | %     |        |         |          |      |     |    |
|                                       |   | (  | Grading | of con                              | npl | eting | studer | its (of | total pa | ss)  |     |    |
| 82                                    | No.   |    | 45      | No.                                 |     |       | 29     | No.     |          | 14   | No. |    |
| 41.21                                 | %   |    | 22.61   | %                                   |     |       | 14.57  | %       |          | 7.04 | %   |    |
| Are the                               | Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons. |    |         |                                     |     |       |        |         |          |      |     |    |
|                                       |   |    |         |                                     |     |       |        |         |          |      |     | 1) |
|                                       |   |    |         |                                     |     |       |        |         |          |      |     | 2) |
|                                       |   |    |         |                                     |     |       |        |         |          |      |     | 3) |



## جامعة المنوفية كلية الهندسة بشبين الكوم

C) Professional Information

| 1) Course teaching   |    |
|--|----|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |    |
| If the percentage is less than 100%, please give reasons for not teaching any topic.   | ;  |
|  | 1) |
|  | 2) |
|  | 3) |
| Referring to the course specification, please list any ILO's specified but not taught. | ,  |
|  | 1) |
| NON  | 2) |
|  | 3) |

| 2) Student assessment |      |  |
|-----------------------|------|--|
| % of total            | mark | Method of assessment                       |
| 60 %                  | 90   | Final Examination (written)                |
| 10 %                  | 15   | End of term assessment (Oral)              |
| 5 %                   | 7.5  | End of term laboratory examination (Lab)   |
| 5 %                   | 7.5  | Laboratory reports                         |
| 7 %                   | 10   | Quiz Assessment (Term Work))               |
| 8%                    | 12.5 | Mid term written exam 2 (Term Work)        |
| 5 %                   | 7.5  | Tutorial and report assessment (Term Work) |
| 100 %                 | 150  | Total                                      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\ }$ or $X$ ) |                            |           |                    |  |  |  |
|--|----------------------------|-----------|--------------------|--|--|--|
|  | Work Shop                  | $\sqrt{}$ | Lectures           |  |  |  |
| $\sqrt{}$  | Class activity             | V         | Practical Training |  |  |  |
|  | Case Study                 | V         | Laboratory         |  |  |  |
| $\sqrt{}$  | Other assignments/homework | -         | Seminar            |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                  |          |                         |  |  |
|--|------------------|----------|-------------------------|--|--|
|  |                  |          | Totally adequate        |  |  |
|  |                  | 1        | Adequate to some extent |  |  |
|  |                  |          | Inadequate              |  |  |
| Reasons of your choice: please check $$                |                  |          |                         |  |  |
| ( )teaching accommodation                              | ( )non- academic | staff    | ( )academic staff       |  |  |
| ( ) IT facility  | ( ) laboratories | <u>'</u> | ( ) library             |  |  |
|  |                  |          |                         |  |  |



### جامعة المنوفية كلية الهندسة بشبين الكوم

| Comments of Course Team | 6) Student evaluation of Course |
|-------------------------|---------------------------------|
| 1)                      |                                 |
| 2)                      |                                 |
| 3)                      |                                 |

| Comments of Course Team | 7) Comment For External Evaluator(s) |
|-------------------------|--------------------------------------|
| 1)                      | 1)                                   |
| 2)                      | 2)                                   |
| 3)                      | 3)                                   |

| 8) Course Enhancement  |                             |        |  |  |
|--|-----------------------------|--------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |        |  |  |
| Reasons  | Completed ( $\sqrt{or X}$ ) | Action |  |  |
|  |                             |        |  |  |
|  |                             |        |  |  |
|  |                             |        |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                 |  |  |
|--|-----------------|-----------------|--|--|
| Person responsible                         | Completion date | Action required |  |  |
|  |                 |                 |  |  |
|  |                 |                 |  |  |
|  |                 |                 |  |  |

Course coordinator Signature

Prof. Ali Elghalban



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A) Administrative Information

| MPE212 $C$   | ode   | <b>Mechanical Measurements</b> |          |       | Сои                          | rse Title |                         |            |  |
|--|---|--------------------------------|----------|-------|------------------------------|-----------|-------------------------|------------|--|
| 2 <sup>nd</sup> year L   | evel  | Mech Power. Eng. Dep           |          |       | Depo                         | artment   | ent offering the course |            |  |
| Mech Power. Eng. D   | ept.  |                                | Progra   | amme  | on which the course is given |           |                         | s given    |  |
| Mech Power. Eng. D   | ept.  |                                | Depar    |       | (s) offer                    | ing the   | progra                  | mme        |  |
| $(\sqrt{)}$ First, $(\sqrt{)}$ Sec                             | ond   | Semester                       | 2013     | / 2   | 014                          | AD        | Academic year           |            |  |
| 26/12/2013   |   | End date                       |          | /10   | 0/2013                       | AD        |                         | Start data |  |
| Total  |   | Lab.                           | Tutor    | ial   | Lecti                        | ure       |                         |            |  |
| 7  | 2   |                                | 2        |       | 3                            |           |                         |            |  |
| Are there any differen   |   |                                |          |       | •                            | pecified  | <i>d?</i>               |            |  |
| ( )Yes, ( $\sqrt{}$ ) No                                       | . , <i>If</i> y                                   | es, please                     | give the | reasc | ons:                         |           |                         |            |  |
| 1)   |   |                                |          |       |                              |           |                         |            |  |
| 2)   |   |                                |          |       |                              |           |                         |            |  |
| 3)   |   |                                |          |       |                              |           |                         |            |  |
|  |   |                                |          | 1)    |                              |           |                         |            |  |
|  |   |                                |          | 2)    |                              |           |                         |            |  |
|  |   |                                |          | 3)    |                              |           |                         |            |  |
| Prof Dr.shedeed has  | an  |                                |          | 1)    |                              |           |                         |            |  |
| Dr.Ahmad Rafat   |   |                                |          | 2)    |                              |           |                         |            |  |
| Dr. El- Said H. Farg 3)  |   |                                |          |       |                              |           |                         |            |  |
| January 2014 Dates of meeting of course examination committee. |   |                                |          |       | i committee.                 |           |                         |            |  |
| Prof Dr. shedeed hasan Course coordinator                      |   |                                |          |       | oordinator                   |           |                         |            |  |
| Prof Dr. Mostafa Ahr   | Prof Dr. Mostafa Ahmed Ismaiel External evaluator |                                |          |       |                              | evaluator |                         |            |  |

B) Statistical Information

| D) Su  | ııısııc | ai mjo   | manon     |         |         |         |             |                |          |        |
|--------|---------|----------|-----------|---------|---------|---------|-------------|----------------|----------|--------|
| No.    | of st   | udents d | completin | g the c | ourse   |         | No. of stu  | idents startir | ig the c | course |
| 200    |         |          |           |         |         | 202     |             |                |          |        |
| 7      |         | No.      |           | 193     | No      |         |             |                |          |        |
| 3.5    |         | %        |           | 96.5    | %       |         |             |                |          |        |
|        | •       |          | Grading   | g of co | mpletin | g stude | ents (of to | otal pass)     |          |        |
| 93     | No.     |          | 79        | No.     |         | 19      | No.         | 2              | No.      |        |
| 46.5   | %       |          | 39.5      | %       |         | 9.5     | %           | 1.0            | %        |        |
| Are th | he gro  | ades acc | ceptable? | ()      | Yes, (  | ) No.   | If no, pl   | ease give the  | e reaso  | ns.    |
|        | Ü       |          | •         | , ,     | •       | ,       |             | O              |          | 1)     |
|        |         |          |           |         |         |         |             |                |          | 2)     |
|        |         |          |           |         |         |         |             |                |          | 3)     |

### C) Professional Information



### جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) Course teaching   |    |
|--|----|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |    |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   | •  |
|  | 1) |
|  | 2) |
|  | 3) |
| Referring to the course specification, please list any ILO's specified but not taught. |    |
|  | 1) |
| NON  | 2) |
|  | 3) |
|  |    |

| 2) Student assessment |      |                                     |
|-----------------------|------|-------------------------------------|
| % of total            | mark | Method of assessment                |
| 57.00                 | 100  | Final term examination              |
| 17.18                 | 30   | Mid term examination                |
| 08.59                 | 15   | Oral examination                    |
| 11.51                 | 20   | Practical / Laboratory examination. |
| 02.86                 | 5    | Semester work                       |
| 02.86                 | 5    | Other types of assessment           |
| 100 %                 | 175  | Total                               |

| 3) Teaching | g and Learning Methods : ( pleas | se check $$ or | X)                 |
|-------------|----------------------------------|----------------|--------------------|
| X           | Work Shop                        |                | Lectures           |
| $\sqrt{}$   | Class activity                   | X              | Practical Training |
| $\sqrt{}$   | Case Study                       |                | Laboratory         |
| $\sqrt{}$   | Other assignments/homework       | V              | Seminar            |

| 4) Facilities and Teaching Materials : please check $$ |                                    |                         |  |  |  |
|--|------------------------------------|-------------------------|--|--|--|
|  |                                    | Totally adequate        |  |  |  |
|  | $\sqrt{}$                          | Adequate to some extent |  |  |  |
|  |                                    | Inadequate              |  |  |  |
| Reasons of your choice: please check $\sqrt{}$         |                                    |                         |  |  |  |
| ( )teaching accommodation                              | ( $\sqrt{\ }$ )non- academic staff | ( )academic staff       |  |  |  |
| $(\sqrt{\ })$ IT facility                              | ( $\sqrt{}$ ) laboratories         | ( ) library             |  |  |  |
|  |                                    |                         |  |  |  |

|--|

Comments of Course Team 6) Student evaluation of Course



#### جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) |  |
|----|--|
| 2) |  |
| 3) |  |

| Comments of Course Team | 7) Comment For External Evaluator(s) |
|-------------------------|--------------------------------------|
| 1,                      | 1)                                   |
| 2                       | 2)                                   |
| 3                       | 3)                                   |

| 8) Course Enhancement  |                             |        |  |  |  |
|--|-----------------------------|--------|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |        |  |  |  |
| Reasons  | Completed ( $\sqrt{or X}$ ) | Action |  |  |  |
|  |                             |        |  |  |  |
|  |                             |        |  |  |  |
|  |                             |        |  |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                 |  |  |  |  |
|--|-----------------|-----------------|--|--|--|--|
| Person responsible                         | Completion date | Action required |  |  |  |  |
|  |                 |                 |  |  |  |  |
|  |                 |                 |  |  |  |  |
|  |                 |                 |  |  |  |  |

Course coordinator Signature

Dr. Eamadan Meligy

Dr.Abdel – Fattah Mahrous

Date



#### جامعة المنوفية كلية الهندسة بشبين الكوم

A) Administrative Information

| MPE 221 Co   | ode    | Fluid Mechanics II Course Title        |         |       |                     | Course Title |                  |
|--|--------|--|---------|-------|---------------------|--------------|------------------|
| $2^{nd}$ year Le   | evel   | Mech. power Engg. Department of        |         |       | offering the course |              |                  |
| Mechanical power En  | ıgg.   | Programme on which the course is given |         |       | urse is given       |              |                  |
| Mechanical power En  | ıgg.   |  | Depar   | tment | (s) offering t      | he pi        | rogramme         |
| ( )First, $(\sqrt{\ })$ Second                                   | ıd     | Semester                               | 2013    | /2014 | AD                  | A            | Academic year    |
| 26/5 /2014 AD  |        | End date                               |         | /     | 2 /2014             | A            | D Start data     |
| Total  |        | Lab.                                   | Tutor   | ial   | Lecture             |              |                  |
| 8  |        | 2                                      | 2       |       | 4                   |              |                  |
| ( )Yes, ( √ ) No. , If yes, please give the reasons: 1) 2) 3) 1) |        |  |         |       |                     |              |                  |
| 2)<br>3)   |        |  |         |       |                     |              |                  |
| Prof. Nabil Heweedy  |        |  |         |       |                     |              |                  |
| Prof. Sobeih Seleem 2)   |        |  |         |       |                     |              |                  |
| Dr. Samy El-Behery 3)  |        |  |         |       |                     |              |                  |
| 1/6/2014 Dates of meeting of course examination committee.       |        |  |         |       |                     |              |                  |
| Prof. Nabil Heweedy -  | Prof.  | Sobeih Sele                            | em- Dr. | Samy  | El-Behery           | Coi          | urse coordinator |
| Prof Dr. Mostafa Ahr   | ned Is | smaiel                                 |         |       |                     | Ext          | ernal evaluator  |

B) Statistical Information

| D) Siu | uisii | iai mjom   | iiiiii  |          |          |        |          |           |         |         |        |
|--------|-------|------------|---------|----------|----------|--------|----------|-----------|---------|---------|--------|
| No.    | of st | tudents co | mpletin | g the co | ourse    | N      | o. of st | udents s  | tartin  | g the o | course |
| 197    | -     |            |         |          |          | 202    |          |           |         |         |        |
| 39     |       | No.        |         | 158      | No.      |        |          |           |         |         |        |
| 19.8   |       | %          |         | 80.2     | %        |        |          |           |         |         |        |
|        |       |            | Grading | g of con | npleting | studen | ts (of t | otal pas  | s)      |         |        |
| 99     | No.   |            | 30      | No.      |          | 23     | No.      |           | 6       | No.     |        |
| 50.25  | %     |            | 15.23   | %        |          | 11.68  | %        |           | 3.05    | %       | 1      |
| Are th | ie gr | ades acce  | ptable? | () Ye    | es, ( )  | No. If | no, ple  | ease give | e the r | eason   | is.    |
|        |       |            |         |          |          |        |          |           |         |         | 1)     |
|        |       |            |         |          |          |        |          |           |         |         | 2)     |
|        |       |            |         |          |          |        |          |           |         |         | 3)     |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) Course teaching  |      |
|---|------|
| Topics taught as a percentage of those specified: $(\sqrt{\ })$ 100 % $(-)$ < 100%  |      |
| If the percentage is less than 100%, please give reasons for not teaching any top   | oic: |
|   | 1)   |
|   | 2)   |
|   | 3)   |
| Referring to the course specification, please list any ILO's specified but not taug | ht.  |
| b1-3 Write computer to analyze the characteristics of laminar and turbulent flow    | 1)   |
| c5-2 setup, conduct and interpret fluid mechanics experiments                       | 2)   |
|   | 3)   |
|   |      |

| 2) Student assessment |      |  |
|-----------------------|------|--|
| Percentage            | Mark | Assessment Method                          |
| 60 %                  | 120  | Final Examination (written)                |
| 10 %                  | 20   | End of term assessment (Oral)              |
| 5 %                   | 10   | End of term laboratory examination (Lab)   |
| 5 %                   | 10   | Laboratory reports                         |
| 7.5 %                 | 15   | Quiz Assessment (Term Work))               |
| 5%                    | 10   | Mid term written exam 2 (Term Work)        |
| 7.5 %                 | 15   | Tutorial and report assessment (Term Work) |
| 100 %                 | 200  | Total                                      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |                            |   |                    |  |  |  |
|---|----------------------------|---|--------------------|--|--|--|
|   | Work Shop                  |   | Lectures           |  |  |  |
| $\sqrt{}$   | Class activity             |   | Practical Training |  |  |  |
|   | Case Study                 |   | Laboratory         |  |  |  |
| V   | Other assignments/homework | V | Seminar            |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                            |         |                         |  |  |
|--|----------------------------|---------|-------------------------|--|--|
|  |                            |         | Totally adequate        |  |  |
|  |                            |         | Adequate to some extent |  |  |
|  |                            |         | Inadequate              |  |  |
| Reasons  | s of your choice: ple      | ease ch | eck √                   |  |  |
| ( )teaching accommodation                              | (√)non- academic           | staff   | ( )academic staff       |  |  |
| ( ) IT facility  | $(\sqrt{\ })$ laboratories |         | $(\sqrt{\ })$ library   |  |  |
|  |                            |         |                         |  |  |

| 5) Administrative Constrain |
|-----------------------------|
|                             |
|                             |

| Comments of Course Team | 6) Student evaluation of Course |
|-------------------------|---------------------------------|
| 1)                      |                                 |



#### جامعة المنوفية كلية الهندسة بشبين الكوم

| 2 | ) |
|---|---|
| 3 | ) |

| Comments of Course Team | 7) Comment For External Evaluator(s) |
|-------------------------|--------------------------------------|
| 1,                      | 1)                                   |
| 2                       | 2)                                   |
| 3                       | 3)                                   |

| 8) Course Enhancement  |                              |        |  |  |  |  |  |
|--|------------------------------|--------|--|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                              |        |  |  |  |  |  |
| Reasons  | Completed ( $\sqrt{\ or\ X}$ | Action |  |  |  |  |  |
|  |                              |        |  |  |  |  |  |
|  |                              |        |  |  |  |  |  |
|  |                              |        |  |  |  |  |  |

| 9) Action Plan For Academi           | c Year 2013 /2014 | AD  |
|--------------------------------------|-------------------|---|
| Person responsible                   | Completion date   | Action required   |
| Head of the department               |                   | Maintenance of subsonic wind tunnel and manufacturing 2D and 3D bodies  |
| Faculty Dean &Head of the department |                   | Purchasing lift and drag test rig.  |
| Faculty Dean                         |                   | Provide the library with electronic copy of some important text book for ease access of large number of student |
| Faculty Dean                         |                   | Provide the computer lab with licensed visualization software   |

Course coordinator

Prof. Nabil Heweedy

Prof. Sobeih Seleem

Dr. Samy El-Behery

Date

#### ANNUAL COURSE REPORT

#### A) Administrative Information



#### جامعة المنوفية كلية الهندسة بشبين الكوم

| MPE222                | Code               | Steam Tec   | hnology                  |        |           |          | Cour       | rse Title  |
|-----------------------|--------------------|-------------|--------------------------|--------|-----------|----------|------------|------------|
| 2 <sup>nd</sup> year  | Level              | Mech Por    | Mech Power. Eng. Departn |        |           |          | t offering | the course |
| Mech. Power Eng.      |                    |             | Progre                   | amme   | on whi    | ch the d | course is  | given      |
| Mech Power. Eng.      |                    |             | Depar                    | tment  | (s) offer | ring the | e progran  | пте        |
| ( )First, $()$ Seco   | nd                 | Semester    | 2013                     | /20    | 014       | AD       | Acader     | nic year   |
| 26/5 /2014 AI         | D                  | End date    |                          | /2     | /2014     | AD       |            | Start data |
| Total                 |                    | Lab.        | Tutor                    | ial    | Lect      | ure      |            |            |
| 7                     | 1                  |             | 2                        |        | 4         |          |            |            |
| Are there any diffe   | rence b            | etween the. | se figure                | s and  | those s   | pecifie  | d?         |            |
| ( $)$ Yes, $($ $$ $)$ | No., If            | yes, please | give the                 | reas   | ons:      |          |            |            |
| 1)                    |                    |             |                          |        |           |          |            |            |
| 2)                    |                    |             |                          |        |           |          |            |            |
| 3)                    |                    |             |                          |        |           |          |            |            |
| Prof. Dr. Mohama      | d Khali            | !           |                          | 1)     |           |          |            |            |
|                       |                    |             |                          | 2)     |           |          |            |            |
|                       |                    |             |                          | 3)     |           |          |            |            |
| Prof. Dr. Mohama      | d Khali            | Į.          |                          | 1)     |           |          |            |            |
| Prof. Dr. Ahmed S     | abry               |             |                          | 2)     |           |          |            |            |
| Prof Dr. Taher Sa     | bry                |             |                          | 3)     |           |          |            |            |
| 1/6/2014              |                    | Da          | tes of me                | eeting | of cour   | rse exai | mination   | committee. |
| Prof. Dr. Mohama      | d Khali            | !           |                          |        |           | (        | Course co  | oordinator |
| Prof. Dr. Mostafa     | $A\overline{hmad}$ | Ismail      |                          |        |           | I        | External e | evaluator  |

B) Statistical Information

| No. of students completing the course |       |      |        |         | ?              | No. of students starting the course |       |        |         |           |          | se     |           |    |
|---------------------------------------|-------|------|--------|---------|----------------|-------------------------------------|-------|--------|---------|-----------|----------|--------|-----------|----|
| 197                                   |       |      |        |         |                |                                     |       | 202    |         |           |          |        |           |    |
| 15                                    |       | No   |        |         | 182            |                                     | No.   |        |         |           |          |        |           |    |
| 7.61                                  |       | %    |        |         | 92.39          |                                     | %     |        |         |           |          |        |           |    |
|                                       |       |      |        | Gradin  | g of con       | nplet                               | ing s | tudent | s (of t | otal pass | 5)       |        |           |    |
| 62                                    | No.   |      |        | 42      | No.            |                                     |       | 44     | No.     |           | 34       | No.    |           |    |
| 31.47                                 | %     |      |        | 21.32   | %              |                                     |       | 22.34  | %       |           | 17.26    | %      |           |    |
| Are th                                | e gro | ades | s acce | ptable? | $(\sqrt{y}) Y$ | es, (                               | ) Λ   | o. If  | no, pl  | ease give | e the re | easons | <b>5.</b> |    |
|                                       |       |      |        |         |                |                                     |       |        |         |           |          |        |           | 1) |
|                                       |       |      |        |         |                |                                     |       |        |         |           |          |        |           | 2) |
|                                       |       |      |        |         |                |                                     |       |        |         |           |          |        |           | 3) |

| C) Professional | <b>Information</b> |
|-----------------|--------------------|
|-----------------|--------------------|

1) Course teaching



## جامعة المنوفية كلية الهندسة بشبين الكوم

| If the percentage is less tha                          | . 100 / 0, preside      | 8,,,,,   | J 01.2 0 1 1 2 3 | 1,<br>2,                     |  |
|--|-------------------------|--|------------------|------------------------------|--|
| Referring to the course spec                           | cification, pleas       | se list c  | uny ILO          | 3                            |  |
| 2) Student assessment                                  |                         |  |                  |                              |  |
| % Of total   | mark                    |  | Me               | thod of assessment           |  |
| Percentage   | Mark                    | Assess   | ment M           | ethod                        |  |
| 57 %   | 100                     | Final l  | Examina          | ation (written)              |  |
| 11 %   | 20                      | End of   | f term as        | ssessment (Oral)             |  |
| 9 %  | 15                      | End of term laboratory examination (Lab)                         |                  |                              |  |
| 8.5 %  | 15                      | Mid term written Examination1 (Term Work                         |                  |                              |  |
| 8.5 %  | 15                      |  |                  | ten Examination 2 (Term Work |  |
| 6%   | 10                      | Tutori   | al and r         | eport assessment (Term Work) |  |
| 3) Teaching and Learning                               | <i>Methods</i> : ( plea | ase che  | eck $\sqrt{}$    | or X)                        |  |
| Work Shop  | \ <b>1</b>              | 1  | <u> </u>         | Lectures                     |  |
| √ Class activity                                       |                         | V  |                  | Practical Training           |  |
| Case Study   |                         | V  |                  | Laboratory                   |  |
| √ Other assignm  | ents/homework           |  |                  | Seminar                      |  |
|  |                         |  | - 1              |                              |  |
| 4) Facilities and Teaching I                           | Materials : plea        | ise che  | eck √            | T. 11 1                      |  |
|  |                         |  | ./               | Totally adequate             |  |
|  |                         |  | 1/               | Adequate to some extent      |  |
| Dog  | gara of your old        |  | lagga al         | Inadequate                   |  |
|  | sons of your che        |  |                  |                              |  |
| ( )teaching accommodation<br>( $\sqrt{}$ ) IT facility |                         | n- academic staff ( )academic staff<br>poratories ( $$ ) library |                  |                              |  |
| v jii jaciiiiy   | ( ) involui             | iories   |                  | (v) uorury                   |  |
|  |                         |  | ve Cons          |                              |  |

*1) 2)* 



## جامعة المنوفية كلية الهندسة بشبين الكوم

3)

| Comments of Course Team | 7) Comment For External Evaluator(s) |
|-------------------------|--------------------------------------|
| 1)                      | 1)                                   |
| 2)                      | 2)                                   |
| 3)                      | 3)                                   |

| 8) Course Enhancement  |                             |        |  |  |  |  |
|--|-----------------------------|--------|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |        |  |  |  |  |
| Reasons  | Completed ( $\sqrt{or X}$ ) | Action |  |  |  |  |
|  |                             |        |  |  |  |  |
|  |                             |        |  |  |  |  |
|  |                             |        |  |  |  |  |

| 9) Action Plan For Academi | ic Year 20 /20 A | D               |
|----------------------------|------------------|-----------------|
| Person responsible         | Completion date  | Action required |
|                            |                  |                 |
|                            |                  |                 |
|                            |                  |                 |

Course coordinator

Signature

Prof. Dr. Mohamad Khalil

Date

#### ANNUAL COURSE REPORT

A) Administrative Information

MPE 223 **Computer Application 2** CodeCourse Title



## جامعة المنوفية كلية الهندسة بشبين الكوم

| $2^{nd}$ year              | Level                    | Mech Pov    | ver. Eng                               | •        | Dep                | artment  | offering the course |  |  |
|----------------------------|--------------------------|-------------|--|----------|--------------------|----------|---------------------|--|--|
| Mech Power. Eng. 1         | Dept.                    |             | Programme on which the course is given |          |                    |          |                     |  |  |
| Mech Power. Eng. 1         | Dept.                    |             | Depar                                  | tment(   | (s) offer          | ring the | programme           |  |  |
| ( )First, ( $\sqrt{}$ )Sec | cond                     | Semester    | 2013                                   | /20      | 14                 | AD       | Academic year       |  |  |
| 26/5/2014 AD               |                          | End date    |  | /2       | /2014              | AD       | Start data          |  |  |
| Total                      |                          | Lab.        | Tutor                                  | ial      | Lect               | ure      |                     |  |  |
| 4                          | 2                        |             |  |          | 2                  |          |                     |  |  |
| Are there any differ       | ence b                   | etween thes | se figure                              | s and    | those s            | pecifiea | !?                  |  |  |
| $()$ Yes, $($ $\sqrt{)}$ N | <i>lo.</i> , <i>If</i> y | ves, please | give the                               | reaso    | ns:                |          |                     |  |  |
| 1)                         |                          |             |  |          |                    |          |                     |  |  |
| 2)                         |                          |             |  |          |                    |          |                     |  |  |
| 3)                         |                          |             |  |          |                    |          |                     |  |  |
| Dr. Ashraf Amin            |                          |             |  | 1)       |                    |          |                     |  |  |
| Dr. Samy El-Behery         | V                        |             |  | 2)       |                    |          |                     |  |  |
|                            |                          |             |  | 3)       |                    |          |                     |  |  |
| Dr. Ashraf Amin            |                          |             |  | 1)       |                    |          |                     |  |  |
| Dr. Samy El-Behery         | v                        |             |  | 2)       |                    |          |                     |  |  |
| Prof Dr. Safwat Bad        | dra                      |             |  | 3)       |                    |          |                     |  |  |
| 1/6/2014                   |                          | Dat         | tes of me                              | eeting   | of cour            | rse exan | nination committee. |  |  |
| Dr. Ashraf Amin - I        | ry                       |             |  | <i>C</i> | Course coordinator |          |                     |  |  |
| Prof Dr. Mostafa A         | •                        | •           |  | E        | External evaluator |          |                     |  |  |

| No.    | No. of students completing the course   |    |    |       | Λ     | Vo. of s | students | startin  | g the | cours | se   |     |  |    |
|--------|---|----|----|-------|-------|----------|----------|----------|-------|-------|------|-----|--|----|
| 197    |   |    |    | 202   |       |          |          |          |       |       |      |     |  |    |
| 27     |   | No | ). |       | 170   |          | No.      |          |       |       |      |     |  |    |
| 13.71  |   | %  |    |       | 86.29 |          | %        |          |       |       |      |     |  |    |
|        | Grading of completing   |    |    |       | eting | stude    | nts (of  | total pa | ss)   |       |      |     |  |    |
| 92     | No.   |    |    | 37    | No.   |          |          | 26       | No.   |       | 15   | No. |  |    |
| 46.7   | %   |    |    | 18.78 | %     |          |          | 13.2     | %     |       | 7.61 | %   |  |    |
| Are th | Are the grades acceptable? ( $\sqrt{}$ ) Yes, ( ) No. If no, please give the reasons. |    |    |       |       |          |          |          |       |       |      |     |  |    |
|        |   |    |    |       |       |          |          |          |       |       |      |     |  | 1) |
|        |   |    |    |       |       |          |          |          |       |       |      |     |  | 2) |
|        |   |    |    |       |       |          |          |          |       |       |      |     |  | 3) |

| C) Professional | Informa | tion |
|-----------------|---------|------|
|-----------------|---------|------|

| 1) Course teaching                                |  |
|---|--|
| Topics taught as a percentage of those specified: | $(\sqrt{}) \ 100 \% \ (\ \ ) < 100 \%$ |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| If the percentage is less than 100%, please give reasons for not teaching an   | iy topic: |
|--|-----------|
| Experimental lab facility  | 1)        |
|  | 2)        |
|  | 3)        |
| Referring to the course specification, please list any ILO's specified but not | t taught. |
|  | 1)        |
| NON  | 2)        |
|  | 3)        |

| 2) Student assessment |      |                                     |
|-----------------------|------|-------------------------------------|
| % of total            | mark | Method of assessment                |
| 60                    | 60   | Final term examination              |
| 20                    | 20   | Mid term examination                |
|                       |      | Oral examination                    |
|                       |      | Practical / Laboratory examination. |
|                       |      | Semester work                       |
|                       |      | Other types of assessment           |
| 100 %                 | 100  | Total                               |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |                            |   |                    |  |  |
|---|----------------------------|---|--------------------|--|--|
|   | Work Shop                  |   | Lectures           |  |  |
|   | Class activity             |   | Practical Training |  |  |
|   | Case Study                 |   | Laboratory         |  |  |
| $\sqrt{}$   | Other assignments/homework | - | Seminar            |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                       |         |                         |  |  |
|--|-----------------------|---------|-------------------------|--|--|
|  |                       |         | Totally adequate        |  |  |
|  |                       |         | Adequate to some extent |  |  |
|  |                       |         | Inadequate              |  |  |
| Reason   | s of your choice: ple | ease ch | neck √                  |  |  |
| ( )teaching accommodation                              | ( )non- academic      | staff   | ( )academic staff       |  |  |
| ( $\sqrt{}$ ) IT facility                              | ( √) laboratories     |         | ( ) library             |  |  |

| 5) Administrative Constrain |
|-----------------------------|

| Comments of Course Team | 6) Student evaluation of Course |
|-------------------------|---------------------------------|
| 1)                      |                                 |



#### جامعة المنوفية كلية الهندسة بشبين الكوم

| 2 | ) |
|---|---|
| 3 | ) |

| Comments of Course Team | 7) Comment For External Evaluator(s) |
|-------------------------|--------------------------------------|
| 1)                      | 1)                                   |
| 2)                      | 2)                                   |
| 3)                      | 3)                                   |

| 8) Course Enhancement  |        |                  |  |  |  |
|--|--------|------------------|--|--|--|
| Progress on actions identified in the previous year's action plan: |        |                  |  |  |  |
| Reasons  | Action |                  |  |  |  |
|  |        | Page on face bak |  |  |  |
|  | V      | Wib site         |  |  |  |
|  |        |                  |  |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                 |  |  |  |  |
|--|-----------------|-----------------|--|--|--|--|
| Person responsible                         | Completion date | Action required |  |  |  |  |
|  |                 | Supply laptop   |  |  |  |  |
|  |                 |                 |  |  |  |  |
|  |                 |                 |  |  |  |  |

Course coordinator Signature

Prof Dr. Ali Elshamy Ramadan

Date

#### ANNUAL COURSE REPORT

A) Administrative Information

MPE 224 Code Mechatronics Course Title



## جامعة المنوفية كلية الهندسة بشبين الكوم

| $2^{nd}$ year   | Level    | Mech Por                               | ver. Eng  | ·-    | Dep       | artment    | offering      | the course |
|---|----------|--|-----------|-------|-----------|------------|---------------|------------|
| Mech Power. Eng. 1  | Progra   | Programme on which the course is given |           |       |           |            |               |            |
| Mech Power. Eng. 1  | Dept.    |  | Depar     | tment | (s) offer | ring the   | progran       | <u></u>    |
| ( )First, ( $\sqrt{}$ )Sec                                    | ond      | Semester                               | 2013      | /20   | 014       | AD         | Academic year |            |
| 26/5/2014 AD  |          | End date                               |           | 2     | /2014     | AD         |               | Start data |
| Total   |          | Lab.                                   | Tutor     | ial   | Lect      | ure        |               |            |
| 5   | 1        |  | 1         |       | 3         |            |               |            |
| Are there any differ  | ence bo  | etween the                             | se figure | s and | those s   | pecified   | <i>l</i> ?    |            |
| ( )Yes, ( $\sqrt{\ }$ ) N                                     | o., If y | ves, please                            | give the  | reasc | ons:      |            |               |            |
| 1)  |          |  |           |       |           |            |               |            |
| 2)  |          |  |           |       |           |            |               |            |
| 3)  |          |  |           |       |           |            |               |            |
|   |          |  |           | 1)    |           |            |               |            |
|   |          | 2)                                     |           |       |           |            |               |            |
|   |          |  |           | 3)    |           |            |               |            |
| Prof Dr. Mousa Mo   |          | 1)                                     |           |       |           |            |               |            |
| Dr. Mohamed Hesham  |          |  |           | 2)    |           |            |               |            |
| Prof Dr. Safwat Badra   |          |  |           | 3)    |           |            |               |            |
| 1/6/2014 Dates of meeting of course examination committee     |          |  |           |       |           | committee. |               |            |
| Prof Dr. Mousa Mohamed- Dr. Mohamed Hesham Course coordinator |          |  |           |       |           | ordinator  |               |            |
| Prof Dr. Mostafa Ahmed Ismaiel External evaluator             |          |  |           |       | evaluator |            |               |            |

B) Statistical Information

| No. of students completing the course |     |          | 1        | Vo. of      | students | startin | g the | cour    | se       |         |       |      |    |
|---------------------------------------|-----|----------|----------|-------------|----------|---------|-------|---------|----------|---------|-------|------|----|
| 197                                   |     |          |          |             |          |         | 202   |         |          |         |       |      |    |
| 11                                    |     | No.      |          | 186         |          | No.     |       |         |          |         |       |      |    |
| 5.58                                  |     | %        |          | 94.42       | ı        | %       |       |         |          |         |       |      |    |
|                                       |     |          | Grading  | of con      | npl      | eting   | stude | nts (of | total pa | ss)     |       |      |    |
| 99                                    | No  | ).       | 55       | No.         |          |         | 26    | No.     |          | 6       | No.   |      |    |
| 50.25                                 | %   |          | 27.92    | %           |          |         | 13.2  | %       |          | 3.05    | %     |      |    |
| Are the                               | gra | ades acc | eptable? | $(\sqrt{})$ | Yes,     | , ( )   | No.   | If no,  | please g | ive the | reaso | ons. |    |
|                                       |     |          |          |             |          |         |       |         |          |         |       |      | 1) |
|                                       |     |          |          |             |          |         |       |         |          |         |       |      | 2) |
|                                       |     |          |          |             |          |         |       |         |          |         |       |      | 3) |

| 1) Course teaching                                |  |
|---|--|
| Topics taught as a percentage of those specified: | $(\sqrt{}) \ 100 \% \ (\ \ ) < 100 \%$ |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| If the percentage is less than 100%, please give reasons for not teaching any top   | pic: |
|---|------|
| Experimental lab facility   | 1)   |
|   | 2)   |
|   | 3)   |
| Referring to the course specification, please list any ILO's specified but not taug | ght. |
|   | 1)   |
| NON   | 2)   |
|   | 3)   |

| 2) Student assessment |      |                                     |
|-----------------------|------|-------------------------------------|
| % of total            | mark | Method of assessment                |
| 68                    | 85   | Final term examination              |
| 16                    | 20   | Mid term examination                |
| 16                    | 20   | Oral examination                    |
|                       |      | Practical / Laboratory examination. |
|                       |      | Semester work                       |
|                       |      | Other types of assessment           |
| 100 %                 | 125  | Total                               |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |                            |   |                    |  |  |  |
|---|----------------------------|---|--------------------|--|--|--|
|   | Work Shop                  |   | Lectures           |  |  |  |
|   | Class activity             |   | Practical Training |  |  |  |
| $\sqrt{}$   | Case Study                 |   | Laboratory         |  |  |  |
|   | Other assignments/homework | - | Seminar            |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                             |         |                         |  |  |  |
|--|-----------------------------|---------|-------------------------|--|--|--|
|  |                             |         | Totally adequate        |  |  |  |
|  |                             | 7       | Adequate to some extent |  |  |  |
|  |                             |         | Inadequate              |  |  |  |
| Reason.  | s of your choice: ple       | ease ch | $eck \sqrt{}$           |  |  |  |
| ( )teaching accommodation                              | ( )non- academic            | staff   | ( )academic staff       |  |  |  |
| ( ) IT facility  | ( $\sqrt{\ }$ ) laboratorie | S       | ( ) library             |  |  |  |

| 5) Administrative Constrain |
|-----------------------------|

| Comments of Course Team | 6) Student evaluation of Course |
|-------------------------|---------------------------------|
| 1)                      |                                 |



#### جامعة المنوفية كلية الهندسة بشبين الكوم

| 2 | ) |
|---|---|
| 3 | ) |

| Comments of Course Team | 7) Comment For External Evaluator(s) |
|-------------------------|--------------------------------------|
| 1,                      | 1)                                   |
| 2                       | 2)                                   |
| 3                       | 3)                                   |

| 8) Course Enhancement  |                             |        |  |  |
|--|-----------------------------|--------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |        |  |  |
| Reasons  | Completed ( $\sqrt{or X}$ ) | Action |  |  |
|  |                             |        |  |  |
|  |                             |        |  |  |
|  |                             |        |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                 |  |  |
|--|-----------------|-----------------|--|--|
| Person responsible                         | Completion date | Action required |  |  |
|  |                 |                 |  |  |
|  |                 |                 |  |  |
|  |                 |                 |  |  |

Course coordinator Signature

Prof Dr. El Sayed Elbeheiry

Date



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| 11) Huminitisti atti C Injoi mattoti                          |                 |                             |           |        |              |               |        |         |
|---|-----------------|-----------------------------|-----------|--------|--------------|---------------|--------|---------|
| Course Title <b>Hea</b>                                       | ut Transfer     |                             |           |        |              | Code          | MPE    | E 312   |
| Department offering the course Mech. Power Eng.               |                 |                             |           | Level  | $4^{rd} Y_0$ | ear           |        |         |
| Programme on which  | the course is   | giver                       | n         | B.sc   | in Me        | ech. Po       | wer En | g.      |
| Department(s) offering  | g the progran   | nme                         |           | Mech   | ı. Pov       | ver Eng       | Dept.  |         |
| Academic year 20  | 013 / 2014      | A                           | AD        | Seme   | ster         | $(\sqrt{)Fi}$ | rst, ( | )Second |
| Start data / 9 /2   | 013 AD          |                             | End do    | ıte    |              | /1            | /20 14 | AD      |
| A -4  | Lecture         | Τι                          | ıtorial   |        | Lab.         |               | ,      | Total   |
| Actual taught hours   | 4               | 2                           |           | 1      |              | 7             | 7      |         |
| Are there any differen  | ce between th   | iese f                      | igures a  | nd the | se sp        | ecified       | ?      |         |
| ( )Yes, ( $\sqrt{}$ ) No.                                     | , If yes, pleas | se giv                      | e the red | asons: | •            |               |        |         |
| 1)  |                 |                             |           |        |              |               |        |         |
| 2)  |                 |                             |           |        |              |               |        |         |
| 3)  |                 |                             |           |        |              |               |        |         |
| Names of Lectures cor   | ntributing to   | 1)                          | Prof. I   | Or. Ma | ohame        | ed Khai       | 'il    |         |
| the delivery of the cou                                       | C               | 2)                          | Dr. Mo    | ohame  | d Ha         | bib           |        |         |
| nie deurery of the course.                                    |                 |                             |           |        |              |               |        |         |
| Members of course examination 1) Prof. Dr. Sheded Shams Eldin |                 |                             |           |        |              |               |        |         |
| committee.  |                 | 2) Prof. Dr. Mohamed Khalil |           |        |              |               |        |         |
| 3) Dr. Mohamed Habib  |                 |                             |           |        |              |               |        |         |
|   |                 |                             |           |        |              |               |        |         |
| Dates of meeting of course examination committee. March 2014  |                 |                             |           |        |              |               |        |         |
|   |                 |                             |           |        |              |               |        |         |
| External evaluator Prof Dr. Galal Rabiea                      |                 |                             |           |        |              |               |        |         |
|   |                 |                             |           |        |              |               |        |         |

| D) Statistical Hijornation  |   |  |  |  |  |
|---|---|--|--|--|--|
| No. of students starting the course   | No. of students completing the course           |  |  |  |  |
| 121   | 115   |  |  |  |  |
| Results of completing students   Passed                                       | No. 93 Failed No. 22                            |  |  |  |  |
| , , , , , , , , , , , , , , , , , , ,   | %   80.86   1 area   %   19.13                  |  |  |  |  |
| Grading of completing   | g students (of total pass)                      |  |  |  |  |
| Excellent No. 0 Very No. 3  | Good No. 15 Pass No. 75<br>13.04 Pass No. 65.22 |  |  |  |  |
|   | % 13.04 T 435 % 65.22                           |  |  |  |  |
| Are the grades acceptable? ( $$ ) Yes, () No. If no, please give the reasons. |   |  |  |  |  |
| 1)  |   |  |  |  |  |
| 2)  |   |  |  |  |  |
| 3)  |   |  |  |  |  |



| 1) Course teaching  |
|---|
| Topics taught as a percentage of those specified: ( ) $100\%$ ( $\sqrt{\ }$ ) < $100\%$ |
| If the percentage is less than 100%, please give reasons for not teaching any topic:    |
| 1) Many topics isn't recorded completely along semester period                          |
| 2)  |
| 3)  |
| Referring to the course specification, please list any ILO's specified but not taught.  |
| 1) C13-1 Setup conduct and interpret heat transfer experiments                          |
| 2)  |
| 3)  |

| 2) Student assessment               |      |            |  |  |
|-------------------------------------|------|------------|--|--|
| Method of assessment                | mark | % of total |  |  |
| Final term examination              | 100  | 57         |  |  |
| Mid term examination                | 17.5 | 10         |  |  |
| Oral examination                    | 17.5 | 10         |  |  |
| Practical / Laboratory examination. | 26   | 15         |  |  |
| Semester work                       | 14   | 8          |  |  |
| Other types of assessment           | 175  | 100        |  |  |
| Total                               | 100  | 57         |  |  |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |           |  |
|---|-----------|----------------------------|-----------|--|
| Lectures  |           | Work Shop                  | $\sqrt{}$ |  |
| Practical Training  | $\sqrt{}$ | Class activity             |           |  |
| Laboratory  | Χ         | Case Study                 | $\sqrt{}$ |  |
| Seminar   | X         | Other assignments/homework | $\sqrt{}$ |  |

| on     |
|--------|
|        |
| <br>)1 |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



#### جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |              |  |  |
|--|-----------------------------|--------------|--|--|
| Progress on actions identified in the previous year's action plan: |                             |              |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons      |  |  |
| Renewable Energy   | X                           | I don't know |  |  |
| Environment lab.   |                             |              |  |  |
|  |                             |              |  |  |

| 9) Action Plan For Academic Year 2013 /2014 AD |                 |                    |  |  |  |
|--|-----------------|--------------------|--|--|--|
| Action required                                | Completion date | Person responsible |  |  |  |
| -Prepare the heat transfer laboratory          | During term     | Course coordinator |  |  |  |
|  |                 |                    |  |  |  |
|  |                 |                    |  |  |  |

Course coordinator

Prof. Dr. Mohamed Khalil

Dr. Ashraf A. Hussien

Sign

Date / /2012



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| A) Administrative In                     | formation   |                               |          |                |        |            |         |
|--|---|-------------------------------|----------|----------------|--------|------------|---------|
| Course Title T                           | Theory of Combustion                                    |                               |          | Code           | e 313  |            |         |
| Department offering                      | the course   N  | Mecha                         | anical p | ower Eng.      | Leve   | l Thrid    | year    |
| Programme on which                       | h the course is   | giver                         | $\imath$ | B.sc in Me     | echan  | ical power | Eng.    |
| Department(s) offerin                    | ng the program  | nme                           |          | Mechanic       | al pov | ver Eng.De | ept     |
| Academic year                            | 2013 /2014  | A                             | D        | Semester       | (√     | )First, (  | )Second |
| Start data / 9                           | /2013 AD  |                               | End do   | ıte            | /      | /1 /20 14  | AD      |
| A strict torrelet borne                  | Lecture   | $T\iota$                      | ıtorial  | Lab.           |        | To         | otal    |
| Actual taught hours                      | 4   | 2                             |          | 1              |        | 7          |         |
| Are there any differen                   | nce betwee <mark>n th</mark>                            | hese f                        | ïgures a | nd those sp    | ecifie | rd?        |         |
| ( )Yes, ( $\sqrt{}$ ) No                 | o. , If yes, pleas                                      | se giv                        | e the re | asons:         |        |            |         |
| 1)                                       |   |                               |          |                |        |            |         |
| 2)                                       |   |                               |          |                |        |            |         |
| 3)                                       |   |                               |          |                |        |            |         |
| Names of Lectures co                     | ontributing to  | 1)                            | Dr. Ga   | aber Mahn      | noud   | Asar       |         |
| the delivery of the co                   | O   | 2)                            |          |                |        |            |         |
| are delivery by the co                   | 3)  |                               |          |                |        |            |         |
| Members of course e                      | Members of course examination 1) Dr. Gaber Mahmoud Asar |                               |          |                |        |            |         |
| committee.                               |   | 2) Prof dr . ahmed H Elaskary |          |                |        |            |         |
| 3) Dr. Ali Elsham                        |   |                               |          | <i>Elshamy</i> |        |            |         |
| Dates of meeting of c                    | Dates of meeting of course examination committee.       |                               |          |                |        |            |         |
| Course coordinator                       | Course coordinator Prof.Dr. Sobih M. Selim              |                               |          |                |        |            |         |
| External evaluator Prof Dr. Galal Rabiea |   |                               |          |                |        |            |         |

|   | 2) statistical injernation                     |         |                                       |        |       |           |         |         |         |        |      |
|---|--|---------|---------------------------------------|--------|-------|-----------|---------|---------|---------|--------|------|
| No. of students starting the course         |  |         | No. of students completing the course |        |       |           |         |         |         |        |      |
|   |  | 121     |                                       |        |       | 115       |         |         |         |        |      |
| Results of completing students   Passed   1 |  |         | Failed -                              |        |       |           |         |         |         |        |      |
|   | T  |         |                                       |        | 2     | % 86      | .95     |         | %       | 13.    | 04   |
|   | Grading of completing students (of total pass) |         |                                       |        |       |           |         |         |         |        |      |
| Excellent                                   | No.  | 1       | Very                                  | No.    | 15    | Good      | No.     | 2       | Pass    | No.    | 82   |
| LACCHEIN                                    | %  | .869    | Good                                  | %      | 13.04 | Good      | %       | 1.74    | 1 ass   | %      | 71.3 |
| Are the gr                                  | ades d   | accepta | able? (                               | ) Yes, | ()N   | Vo. If no | o, plea | se give | the rec | asons. |      |
| 1)  |  |         |                                       |        |       | -         | _       |         |         |        |      |
| 2)  |  |         |                                       |        |       |           |         |         |         |        |      |
| 3)  |  |         |                                       |        |       |           |         |         |         |        |      |
|   |  |         |                                       |        |       |           |         |         |         |        |      |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{\ }$ ) 100 % ( ) < 100%     |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| $  1\rangle$   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2)   |
| 3)   |
|  |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 100  | 57         |
| Mid term examination                | 30   | 17         |
| Oral examination                    | 35   | 20         |
| Practical / Laboratory examination. | -    |            |
| Semester work                       | 10   | 6          |
| Other types of assessment           |      |            |
| Total                               | 175  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |           |  |
|---|-----------|----------------------------|-----------|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |           |  |
| Practical Training  |           | Class activity             | $\sqrt{}$ |  |
| Laboratory  |           | Case Study                 |           |  |
| Seminar   |           | Other assignments/homework |           |  |

| 4) Facilities and Teaching M | <i>lateria</i> | ls : please check $$ |      |                         |
|------------------------------|----------------|----------------------|------|-------------------------|
| Totally adequate             |                |                      |      |                         |
| Adequate to some extent      | $\sqrt{}$      |                      |      |                         |
| Inadequate                   |                |                      |      |                         |
| Reas                         | ons of y       | vour choice: please  | chec | rk                      |
| ( )academic staff            | ()no           | n- academic staff    | (V)  | )teaching accommodation |
| ( ) library                  | $(\sqrt{})$    | aboratories          | ( )  | IT facility             |

| 5) Administrative Constrain |  |
|-----------------------------|--|



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |
|--|-----------------------------|---------|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |
|  |                             |         |  |  |  |
|  |                             |         |  |  |  |
|  |                             |         |  |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                    |  |  |  |
|--|-----------------|--------------------|--|--|--|
| Action required                            | Completion date | Person responsible |  |  |  |
|  |                 |                    |  |  |  |
|  |                 |                    |  |  |  |
|  |                 |                    |  |  |  |

Course coordinator

Signature

Dr. Gaber Mahmoud Asar

Date



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| A) Auministrative Injormation                                    |                                |            |           |           |          |      |                               |            |        |  |
|--|--------------------------------|------------|-----------|-----------|----------|------|-------------------------------|------------|--------|--|
| Course Title   | Hydraulic Machines             |            |           |           |          |      | Code                          | e 321      |        |  |
| Department offering the course Mechanical power Eng.             |                                |            |           |           |          |      | Leve                          | l Thria    | ! year |  |
| Programme on wi  | hich the co                    | ourse is g | given     | l l       | B.scMe   | echa | ınical                        | power E    | Ing.   |  |
| Department(s) off  | ering the p                    | programi   | me        |           | Mecha    | nica | ıl pov                        | ver Eng.l  | Dept   |  |
| Academic year  | 2013                           | /2014      | AI        | )         | Semesi   | ter  | ( )First, ( $\sqrt{}$ )Second |            |        |  |
| Start data / 2   | /2014                          | AD         |           | End da    | ite      |      | /6 /20 14 AD                  |            |        |  |
| A atual taught hav   | Lec                            | ture       | Ти        | torial    | Lab.     |      |                               | Ź          | Total  |  |
| Actual taught hou  | 75 3                           |            | 2         |           | 1        |      |                               | 6          |        |  |
| Are there any diff   | erence bei                     | tween the  | se fi     | gures a   | nd thos  | e sp | ecifie                        | <i>d</i> ? |        |  |
| ( )Yes, ( $\sqrt{}$ )  | No., If ye                     | es, please | give      | e the red | asons:   |      |                               |            |        |  |
| 1)   |                                |            |           |           |          |      |                               |            |        |  |
| 2)   |                                |            |           |           |          |      |                               |            |        |  |
| 3)   |                                |            |           |           |          |      |                               |            |        |  |
| Names of Lecture   | s contribu                     | ting to    | <i>1)</i> | Dr .Ism   | ail Sagr |      |                               |            |        |  |
| the delivery of the  |                                |            |           |           |          |      |                               |            |        |  |
|  | com se.                        |            |           |           |          |      |                               |            |        |  |
|  |                                |            |           | 4\ 1      |          |      |                               |            |        |  |
| Members of cours   | e examina                      | ation      |           |           | Dr .Isma |      | _                             | ) a a fa t |        |  |
| committee.  2) Prof. Dr. Ahmad Raafat 3) Prof. Dr. Nabil Huwaydi |                                |            |           |           |          |      |                               |            |        |  |
|  |                                |            |           |           |          |      |                               |            |        |  |
| 4) Prof.Dr. Taher Ibrahim Sabry                                  |                                |            |           |           |          |      |                               |            |        |  |
| Dates of meeting of course examination committee.                |                                |            |           |           |          |      |                               |            |        |  |
| Course coordinator Prof.Dr. Sobih M. Selim                       |                                |            |           |           |          |      |                               |            |        |  |
| External evaluato  | valuator Prof Dr. Galal Rabiea |            |           |           |          |      |                               |            |        |  |
|  |                                |            |           |           |          |      |                               |            |        |  |

| 2) statistical injerious  |   |         |           |      |        |          |        |         |          |      |  |  |
|---|---|---------|-----------|------|--------|----------|--------|---------|----------|------|--|--|
| No. of students starting the course No. of students completing the course |   |         |           |      |        |          |        | urse    |          |      |  |  |
|   |   | 121     |           |      |        |          |        |         | 11       | 1    |  |  |
| Descrite of completing students   Descrit                                 |   |         |           | No.  | 84     |          | Failed | No.     | 27       |      |  |  |
| Results of completing students   Passed                                   |   |         | seu       | %    | 75     | .67      | Гипеи  | %       | 24       | 1.32 |  |  |
|   |   | $G_{I}$ | rading of | comp | leting | stud     | ents   | (of tot | tal pass | )    |  |  |
| Fycollont   | xcellent  |         | Good      |      | No.    | 8<br>7.2 | Pass   | No.     | 73       |      |  |  |
| LACCICIII   |   |         | ж         | %    | 7.2    | 1 ass    | %      | 65.76   |          |      |  |  |
| Are the gr  | Are the grades acceptable? ( $\sqrt{\ }$ ) Yes, ( ) No. If no, please give the reasons. |         |           |      |        |          |        |         |          |      |  |  |
| 1)  |   |         |           |      |        |          |        |         |          |      |  |  |
| 2)  |   |         |           |      |        |          |        |         |          |      |  |  |
| 3)  |   |         |           |      |        |          |        |         |          |      |  |  |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( ) 85 % ( ) < 100%                              |
| If the percentage is less than 100%, please give reasons for not teaching any topic:               |
| 1) The Laboratory tests were not conducted because most laboratory equipment are out of            |
| order .  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught.             |
| 1) list the classification of pumps and turbines   |
| 2) understand basic design criteria and procedure, construction and operation of centrifugal pumps |
| 3) sketch various components construction and arrangements of centrifugal and axial flow pumps and |
| hydraulic turbines   |
| 4) seek learning opportunities outside the classroom environment                                   |
| 5) utilize the literature base and information resources for engineering.                          |
|  |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 15   | 10         |
| Oral examination                    | 15   | 10         |
| Practical / Laboratory examination. | 15   | 10         |
| Semester work                       | 7.5  | 5          |
| Other types of assessment           | 7.5  | 5          |
| Total                               | 150  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |  |                            |           |  |  |  |  |
|---|--|----------------------------|-----------|--|--|--|--|
| Lectures  |  | Work Shop                  |           |  |  |  |  |
| Practical Training  |  | Class activity             | $\sqrt{}$ |  |  |  |  |
| Laboratory  |  | Case Study                 |           |  |  |  |  |
| Seminar   |  | Other assignments/homework | $\sqrt{}$ |  |  |  |  |

| 4) Facilities and Teaching Materials : please check $$ |           |                     |                                    |  |  |  |  |  |
|--|-----------|---------------------|------------------------------------|--|--|--|--|--|
| Totally adequate                                       |           | Laboratory = Inac   | lequate                            |  |  |  |  |  |
| Adequate to some extent                                | $\sqrt{}$ |                     |                                    |  |  |  |  |  |
| Inadequate   |           |                     |                                    |  |  |  |  |  |
| Reas   | ons of y  | your choice: please | check √                            |  |  |  |  |  |
| ( )academic staff                                      | ( )no     | n- academic staff   | $(\sqrt{})$ teaching accommodation |  |  |  |  |  |
| ( ) library  | ( ) la    | aboratories         | ( ) IT facility                    |  |  |  |  |  |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |  |                           |  |  |  |  |  |  |
|--|--|---------------------------|--|--|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |  |                           |  |  |  |  |  |  |
| Action   | Action Completed ( $\sqrt{or X}$ ) Reasons |                           |  |  |  |  |  |  |
| Laboratory Experiments   | X  | The facilities Inadequate |  |  |  |  |  |  |
|  |  |                           |  |  |  |  |  |  |
|  |  |                           |  |  |  |  |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                         |  |  |  |  |  |  |  |
|--|-----------------|-------------------------|--|--|--|--|--|--|--|
| Action required                            | Completion date | Person responsible      |  |  |  |  |  |  |  |
| Repair the Laboratory Equipment            | Feb. 2013       | Laboratory Engineer and |  |  |  |  |  |  |  |
|  |                 | Dept . Head             |  |  |  |  |  |  |  |
|  |                 |                         |  |  |  |  |  |  |  |

Course coordinator Signature

Prof. Dr. S. M. A. Seleem Prof. Ahmad Raafat

Date



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| 11) 11dillettesti attic 1   | ng or manton                               |          |                               |            |            |       |                          |  |
|---|--|----------|-------------------------------|------------|------------|-------|--------------------------|--|
| Course Title N  | lumerical Meth                             | ods in   | Cod                           | e          | MPE 322    |       |                          |  |
| power engineering   |  |          |                               |            |            |       |                          |  |
| Department offering the course   Mechanical power Eng.   Level   3 <sup>rd</sup> year |  |          |                               |            |            |       |                          |  |
| Programme on whi  | ch the course is                           | giver    | ı                             | B.sc Med   | chanica    | ıl po | ower Eng.                |  |
| Department(s) offer   | ring the progran                           | nme      |                               | Mechani    | cal por    | wer   | Eng.Dept                 |  |
| Academic year   | 2013 /2014                                 | AD       |                               | Semester   | · ( )      | Firs  | st, $(\sqrt{\ })$ Second |  |
| Start data /  | 2 /20 14 AL                                | )        | End da                        | te         | /          | /     | 6 /2014 AD               |  |
| A -41 4 1-4 1   | Lecture                                    | Tu       | torial                        | Lai        | <i>b</i> . |       | Total                    |  |
| Actual taught hours   | 3  |          | 2                             | 1          |            |       | 6                        |  |
| Are there any differ  | ence between th                            | hese fi  | igures a                      | nd those . | specifie   | ?d?   |                          |  |
| ( )Yes, ( $\sqrt{}$ ) No  | o., If yes, pleas                          | e give   | the rea                       | sons:      |            |       |                          |  |
| 1)  |  |          |                               |            |            |       |                          |  |
| 2)  |  |          |                               |            |            |       |                          |  |
| 3)  |  |          |                               |            |            |       |                          |  |
| Names of Lectures   | contributing to                            |          | 1                             | Assoc.Pro  | of.Ema     | d H   | Iamed Amer               |  |
| the delivery of the c   | 0  |          |                               |            |            |       |                          |  |
| ine detivery of the e   | om se.                                     |          |                               |            |            |       |                          |  |
| Members of course   | examination                                |          | ,                             | Assoc.Prof |            |       |                          |  |
| committee.  | CAUTHITUTION                               |          |                               | Dr. Awad I |            | •     |                          |  |
| Commutee.   |  |          | 3) Prof.Dr.Ahmed Sabry Hegazy |            |            |       |                          |  |
|   |  |          | 4) l                          | Prof.Dr.Mo | hamme      | d Kh  | nalil Bassiouni          |  |
|   | , .  | <u> </u> | •,,                           |            |            |       |                          |  |
| Dates of meeting of   |  |          |                               | ee.        |            |       | _                        |  |
|   | Course coordinator Prof.Dr. Sobih M. Selim |          |                               |            |            |       |                          |  |
| External evaluator  | xternal evaluator   Prof Dr. Galal Rabiea  |          |                               |            |            |       |                          |  |

| D) Siansn                                      | cui In | ijorma | uon          |       |                                       |     |       |        |                    |         |      |     |       |
|--|--------|--------|--------------|-------|---------------------------------------|-----|-------|--------|--------------------|---------|------|-----|-------|
| No. of students starting the course            |        |        |              |       | No. of students completing the course |     |       |        |                    |         |      |     |       |
| 121  |        |        |              |       | 109                                   |     |       |        |                    |         |      |     |       |
| Pagulta of completing students   Pagged        |        |        |              | No.   | No. 87                                |     |       | No.    |                    | 22      |      |     |       |
| Results of completing students   Passed        |        |        |              |       |                                       | %   | 79.   | .81    | Failed             | %       |      | 20. | 2     |
| Grading of completing students (of total pass) |        |        |              |       |                                       |     |       |        |                    |         |      |     |       |
| Excellent                                      | No.    | 2      | Very<br>Good | No.   | 8                                     | Go  | Good  | No.    | <i>16</i><br>14.67 | Pass    | No   | •   | 61    |
| Excellent                                      | %      | 1.83   | Good         | %     | 7.34                                  |     | ou    | %      | 14.67              | 1 uss   | %    |     | 55.96 |
| Are the gr                                     | ades   | accept | able? (√     | ) Yes | s, ( )                                | No. | If no | , plea | se give i          | the rea | sons | 5.  |       |
| 1)   |        |        |              |       |                                       |     |       |        |                    |         |      |     |       |
| 2)   |        |        |              |       |                                       |     |       |        |                    |         |      |     |       |
| 3)   |        |        |              |       |                                       |     |       |        |                    |         |      |     |       |



| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: $(\sqrt{\ })$ 100 % $(-)$ < 100%           |
| If the percentage is less than 100%, please give reasons for not teaching any topic:         |
| 1)   |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught.       |
| 1) c7-1 use the available software (such as BASIC, Fortran, Matlab, Grapher, Excel, etc.) to |
| solve and analyze some Mechanical power engineering problems                                 |
| 2)   |
| 3)   |

| 2) Student assessment                      |      |       |
|--|------|-------|
| Final Examination (written)                | 90   | 60 %  |
| End of term assessment (Oral)              | 15   | 10 %  |
| End of term laboratory examination (Lab)   | 7.5  | 5 %   |
| Laboratory reports                         | 7.5  | 5 %   |
| Quiz Assessment (Term Work))               | 10   | 7 %   |
| Mid term written exam 2 (Term Work)        | 12.5 | 8%    |
| Tutorial and report assessment (Term Work) | 7.5  | 5 %   |
| Total                                      | 100  | 100 % |

| 3) Teaching and Learning Methods: (please check $$ or $X$ ) |  |                            |           |  |  |  |  |
|---|--|----------------------------|-----------|--|--|--|--|
| Lectures  |  | Work Shop                  |           |  |  |  |  |
| Practical Training  |  | Class activity             | $\sqrt{}$ |  |  |  |  |
| Laboratory  |  | Case Study                 |           |  |  |  |  |
| Seminar   |  | Other assignments/homework | $\sqrt{}$ |  |  |  |  |

| 4) Facilities and Teaching M | <i>lateria</i> | ls : please check $$ |                           |
|------------------------------|----------------|----------------------|---------------------------|
| Totally adequate             |                |                      |                           |
| Adequate to some extent      | $\sqrt{}$      |                      |                           |
| Inadequate                   |                |                      |                           |
| Reas                         | ons of y       | vour choice: please  | check √                   |
| ( )academic staff            | ()non          | - academic staff     | ( )teaching accommodation |
| $(\sqrt{\ })$ library        | ( ) lał        | poratories           | () IT facility            |

| 5) Administrative Constrain |  |
|-----------------------------|--|



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | (3)                     |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |                             |         |  |  |  |  |  |  |  |  |
|--|-----------------------------|---------|--|--|--|--|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |                             |         |  |  |  |  |  |  |  |  |
| Action   | Completed ( $\sqrt{or X}$ ) | Reasons |  |  |  |  |  |  |  |  |
|  |                             |         |  |  |  |  |  |  |  |  |
|  |                             |         |  |  |  |  |  |  |  |  |
|  |                             |         |  |  |  |  |  |  |  |  |

| 9) Action Plan For Academic Year   | 9) Action Plan For Academic Year 2012 /2013 AD |                    |  |  |  |  |  |  |  |  |  |
|------------------------------------|--|--------------------|--|--|--|--|--|--|--|--|--|
| Action required                    | Completion date                                | Person responsible |  |  |  |  |  |  |  |  |  |
| Provide the library with           |  | Faculty Dean       |  |  |  |  |  |  |  |  |  |
| electronic copy of some important  |  |                    |  |  |  |  |  |  |  |  |  |
| text book for ease access of large |  |                    |  |  |  |  |  |  |  |  |  |
| number of student                  |  |                    |  |  |  |  |  |  |  |  |  |
| Provide the computer lab with      |  | Faculty Dean       |  |  |  |  |  |  |  |  |  |
| licensed visualization software    |  |                    |  |  |  |  |  |  |  |  |  |

Course coordinator

Signature

Assoc. Prof. Safwat Wilson

Dr. Samy El-Behery

Date



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| A) Auministrative Inje    | ormanon                      |                                    |               |             |               |                        |  |  |
|---------------------------|------------------------------|------------------------------------|---------------|-------------|---------------|------------------------|--|--|
| Course Title Interna      | l combustio                  | on engi                            | on engines(1) |             |               | MPE323                 |  |  |
| Department offering the   | course Me                    | chanical                           | power         |             | Level         | 2                      |  |  |
| Programme on which th     | ne course is gi              | ven                                | B.sc ii       | n Mechanica | al Power Eng. |                        |  |  |
| Department(s) offering    | the programm                 | <i>ie</i>                          | Mecha         | nical Power | r Eng.D       | ept                    |  |  |
| Academic year 20          | 013/2014                     | AD                                 | Semes         | ster        | ( )Fir        | st, $(\sqrt{})$ Second |  |  |
| Start date 2/2014         | AD                           | E                                  | and date      | 2           | 6 /201        | 4 AD                   |  |  |
| A stud tau slot le suna   | Lecture                      | Tuto                               | rial          | Lab.        |               | Total                  |  |  |
| Actual taught hours       | 3                            | 2                                  | r             | 1           |               | 6                      |  |  |
| Are there any differen    | ce between th                | hese figi                          | ires ar       | nd those sp | ecified       | !?                     |  |  |
| ( )Yes, ( $$ ) No.,       | If yes, pleas                | e give ti                          | he reas       | sons:       |               |                        |  |  |
| 1)                        |                              |                                    |               |             |               |                        |  |  |
| 2)                        |                              |                                    |               |             |               |                        |  |  |
| 3)                        |                              |                                    |               |             |               |                        |  |  |
| Names of Lectures cont    | ributing to                  | 1) Dr. Awad Rahad syam             |               |             |               |                        |  |  |
| the delivery of the cours |                              |                                    |               |             |               |                        |  |  |
| ine delivery of the cours |                              |                                    |               |             |               |                        |  |  |
| Manufacture               |                              | 1) Dr. Awad Rashad syam            |               |             |               |                        |  |  |
| Members of course exar    | nination                     | 2) Prof .Dr. Safout Mohammed Batra |               |             |               |                        |  |  |
| committee.                | 3) Prof.Dr. Fathy M. Mahfouz |                                    |               |             |               |                        |  |  |
|                           |                              | 4) Prof. Dr. Sheded Shams Eldin    |               |             |               |                        |  |  |
| Dates of meeting of cou   | rse examinatio               | on comn                            |               |             |               | 2012, 25-1-2012.       |  |  |
| Course coordinator        | Prof.Dr. So                  |                                    |               |             | •             | <u> </u>               |  |  |
| External evaluator        | Prof Dr. Go                  |                                    |               |             |               |                        |  |  |

| <i>D)</i> Siansia                     | J       |        |           |          |                                       |         |        |          |          |         |       |       |  |
|---------------------------------------|---------|--------|-----------|----------|---------------------------------------|---------|--------|----------|----------|---------|-------|-------|--|
| No. of students starting the course   |         |        |           |          | No. of students completing the course |         |        |          |          |         |       |       |  |
| 121                                   |         |        |           |          |                                       | 111     |        |          |          |         |       |       |  |
| Results of completing students Passed |         |        |           |          | <i>No.</i> 91                         |         | Failed | No.      |          | 20      |       |       |  |
| Results of completing students        |         |        | 1 4       | russea – |                                       | 8       | 31.98  | Гинеи    | %        |         | 18.02 |       |  |
|                                       |         | G      | Grading o | f comp   | pleting                               | studer  | its (  | of total | l pass)  |         |       |       |  |
| Excellent                             | No.     | 0      | Very      | No.      | 0                                     | God     | Good   |          | 4        | Pass    | No.   | 87    |  |
| LACEHEIH                              | %       | 0      | Good      | %        | 0                                     | 000     |        |          | 3.6      | 1 ass   | %     | 78.37 |  |
| Are the gro                           | ades ac | ceptal | ble? (√,  | Yes,     | ()N                                   | o. If n | o, p   | lease g  | give the | reasons | 5.    |       |  |
| 1)                                    |         |        |           |          |                                       |         |        |          |          |         |       |       |  |
| 2)                                    |         |        |           |          |                                       |         |        |          |          |         |       |       |  |
| 3)                                    |         |        |           |          |                                       |         |        |          |          |         |       |       |  |



| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: (0) $100\%$ ( ) < $100\%$            |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| 1) The lectures and tutorial hours are not enough.                                     |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| 1)   |
| 2)   |
| 3)   |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 90   | 60         |
| Mid term examination                | 10   | 6.66       |
| Oral examination                    | 30   | 20         |
| Practical / Laboratory examination. | 5    | 3.33       |
| Semester work                       | 10   | 6.66       |
| Other types of assessment           | 5    | 3.33       |
| Total                               | 150  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |   |                            |   |  |  |
|---|---|----------------------------|---|--|--|
| Lectures  | V | Work Shop                  | V |  |  |
| Practical Training  | V | Class activity             | V |  |  |
| Laboratory  | V | Case Study                 | - |  |  |
| Seminar   | X | Other assignments/homework | V |  |  |

| 4) Facilities and Teaching Materials : please check $$ |                   |   |   |  |  |  |
|--|-------------------|---|---|--|--|--|
|  |                   |   |   |  |  |  |
|  |                   |   |   |  |  |  |
|  |                   |   |   |  |  |  |
| Reasons of your choice: please check $$                |                   |   |   |  |  |  |
| ( )noi   | n- academic staff | ( | )teaching accommodation                                   |  |  |  |
| $(\sqrt{})$ le   | aboratories       | ( | ) IT facility   |  |  |  |
|  | $\sqrt{sons of}$  | V | sons of your choice: please che  ( )non- academic staff ( |  |  |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|
|                             |  |



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course  | Comments of Course Team |
|--|-------------------------|
| The course has gratification of all students but<br>the lectures hours should be increased to cover<br>more than the specified course as it is very<br>important for the engineers after graduation. | 2)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |  |  |  |  |  |  |
| Action Completed ( $\sqrt{or X}$ ) Reasons                         |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

| 9) Action Plan For Academic Year 20 | /20 AD          |                    |
|-------------------------------------|-----------------|--------------------|
| Action required                     | Completion date | Person responsible |
|                                     |                 |                    |
|                                     |                 |                    |
|                                     |                 |                    |

Course coordinator Signature

Dr. Awad Rashad syam

Date:



جامعة المنوفية كلية الهندسة بشبين الكوم

#### ANNUAL COURSE REPORT

A) Administrative Information

| A) Aaministrative II  | ijormanon  |          |          |             |         |                          |
|---|--|----------|----------|-------------|---------|--------------------------|
| Course Title <b>E</b>   | Course Title Elective course (2) A[ Mech. power Code MPE 327 A |          |          |             |         |                          |
| pi  | lant]  |          |          |             |         |                          |
| Department offering   | the course \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \               | Mecho    | anical p | ower Eng.   | Level   |                          |
| Programme on which  | h the course is  | giver    | $\imath$ | Electric    | power L | Pept.                    |
| Department(s) offer   | ing the prograi  | nme      |          |             |         |                          |
| Academic year   | 2013 /2014   | AD       |          | Semester    | ( )Fi   | rst, ( $\sqrt{}$ )Second |
| Start data 2 /  | /2014 AD   |          | End do   | ıte         | /6      | /20 14 AD                |
| A -41 4 1-4 1   | Lecture  | $T\iota$ | ıtorial  | Lab.        |         | Total                    |
| Actual taught hours   | 2  | 2        |          | _           | 4       |                          |
| Are there any difference $($ $)$ Yes, $($ $$ $)$ $N$ $($ $1$ $)$ $($ $2$ $)$ $($ $3$ $)$  |  | se giv   | e the re | asons:      | v       |                          |
| Names of Lectures of the delivery of the co   | · ·  | 1)       | Dr. Ab   | vu El- Maho | asen M. | Elhanfy                  |
| Members of course examination committee.  1) Dr. Abpu El- Mahasen M. Elhanfy 2) Prof. Dr. Aly Eelghalman 3) Dr. Awatef Elbatawy |  |          |          |             |         |                          |
| Dates of meeting of   | course examin  | ation    | commit   | tee.        |         |                          |
| Course coordinator Prof.Dr. Sobih M. Selim  |  |          |          |             |         |                          |
| External evaluator  | Prof Dr. Go  | alal R   | abiea    |             |         |                          |

| No. of students completing the course                                       |   |                    |   |  |  |  |
|---|---|--------------------|---|--|--|--|
|   | 116   |                    |   |  |  |  |
| No. 105   | Eailed  | No.                | 11  |  |  |  |
| % 90.51   | Tallea  | % 9                | 0.48  |  |  |  |
| Grading of completing students (of total pass)                              |   |                    |   |  |  |  |
| Good No.  | . 30 <sub>Pe</sub>                                    | ass No.            | 54  |  |  |  |
| 3 3000 %  | 25.86   | %                  | 46.55   |  |  |  |
| Are the grades acceptable? ( ) Yes, ( ) No. If no, please give the reasons. |   |                    |   |  |  |  |
|   |   |                    |   |  |  |  |
|   |   |                    |   |  |  |  |
|   |   |                    |   |  |  |  |
|   | No.   105   90.51   90.51   Good   No.   3   Good   % | No.   105   Failed | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ |  |  |  |



جامعة المنوفية كلية الهندسة بشبين الكوم

| (C) | Proj | fessi | ional | Inj | form | ation |
|-----|------|-------|-------|-----|------|-------|
|-----|------|-------|-------|-----|------|-------|

| 1) Course teaching   |
|--|
| Topics taught as a percentage of those specified: ( $\sqrt{}$ ) 100 % ( ) < 100%       |
| If the percentage is less than 100%, please give reasons for not teaching any topic:   |
| $ 1\rangle$  |
| 2)   |
| 3)   |
| Referring to the course specification, please list any ILO's specified but not taught. |
| $  1 \rangle$  |
| 2)   |
| 3)   |
|  |

| 2) Student assessment               |      |            |
|-------------------------------------|------|------------|
| Method of assessment                | mark | % of total |
| Final term examination              | 70   | 70         |
| Mid term examination                | 15   | 15         |
| Oral examination                    | -    |            |
| Practical / Laboratory examination. | -    |            |
| Semester work                       | 10   | 10         |
| Other types of assessment           | 5    | 5          |
| Total                               | 100  | 100 %      |

| 3) Teaching and Learning Methods: (please check $\sqrt{\text{or } X}$ ) |           |                            |  |
|---|-----------|----------------------------|--|
| Lectures  | $\sqrt{}$ | Work Shop                  |  |
| Practical Training  |           | Class activity             |  |
| Laboratory  |           | Case Study                 |  |
| Seminar   |           | Other assignments/homework |  |

| 4) Facilities and Teaching Materials : please check $$ |           |                     |                           |  |
|--|-----------|---------------------|---------------------------|--|
| Totally adequate                                       | $\sqrt{}$ |                     |                           |  |
| Adequate to some extent                                |           |                     |                           |  |
| Inadequate   |           |                     |                           |  |
| Reas   | ons of y  | vour choice: please | check √                   |  |
| ( )academic staff                                      | ()no      | n- academic staff   | ( )teaching accommodation |  |
| ( ) library  | ( ) le    | aboratories         | ( ) IT facility           |  |

| 5) Administrative Constrain |  |
|-----------------------------|--|



## جامعة المنوفية كلية الهندسة بشبين الكوم

| 6) Student evaluation of Course | Comments of Course Team |
|---------------------------------|-------------------------|
|                                 | 1)                      |
|                                 | 2)                      |
|                                 | 3)                      |

| 7) Comment For External Evaluator(s) | Comments of Course Team |
|--------------------------------------|-------------------------|
| 1)                                   | 1)                      |
| 2)                                   | 2)                      |
| 3)                                   | 3)                      |

| 8) Course Enhancement  |  |  |  |
|--|--|--|--|
| Progress on actions identified in the previous year's action plan: |  |  |  |
| Action   Completed ( $\sqrt{or X}$ )   Reasons                     |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

| 9) Action Plan For Academic Year 20 /20 AD |                 |                    |  |
|--|-----------------|--------------------|--|
| Action required                            | Completion date | Person responsible |  |
|  |                 |                    |  |
|  |                 |                    |  |
|  |                 |                    |  |

Course coordinator Prof. Dr. / Abo Elmahasen Elahnfy Signature

Date