



ANNUAL COURSE REPORT

A) Administrative Information

Course Title	Mechatronics			Code	PRE 703
Department offering the course	Prod. Eng. & Mech. Design. Dept.			Level	Ph.D.
Programme on which the course is given					
Department(s) offering the programme					
Academic year	2013 /2014	AD	Semester	()First, (V)Second	
Start data	/ 2 /2014	AD	End date	/ 6 /2014 AD	
Actual taught hours	Lecture	Tutorial	Lab.	Total	
	3	-	-	3	
Are there any difference between these figures and those specified? ()Yes, (V)No. , If yes, please give the reasons:					
1)					
2)					
3)					
Names of Lectures contributing to the delivery of the course.	1) Mechanical interfacing 2) Mechanical components selections 3) Force measurements				
Members of course examination committee.	1) Prof. mohamed hesham belel 2) 3)				
Dates of meeting of course examination committee.					
Course coordinator	Prof. mohamed hesham belel				
External evaluator					

B) Statistical Information

No. of students starting the course			No. of students completing the course			
1			1			
Results of completing students	Passed	No.	1	Failed	No.	0
		%	100		%	0
Grading of completing students (of total pass)						
Excellent	No.	Very Good	No.	Good	No.	Pass
	%		%		%	
Are the grades acceptable? () Yes, () No. If no, please give the reasons.						
1)						
2)						
3)						



C) Professional Information

1) Course teaching 90%

Topics taught as a percentage of those specified: () 100 % (√) < 100%

If the percentage is less than 100%, please give reasons for not teaching any topic:

- 1) Library books related to the subject
- 2) Environmental conditions
- 3) holidays

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

- 1) C-1) Perfect the basic and up-to-date professional skills in production engineering
- 2)
- 3)

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

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

4) Facilities and Teaching Materials : please check √		
Totally adequate		
Adequate to some extent	V	
Inadequate		
Reasons of your choice: please check √		
() academic staff	() non- academic staff	(V) teaching accommodation
(V) library	V) laboratories	() IT facility

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 (√ or X)	Reasons

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

Course coordinator
Prof. Mohamed hesham belel

Signature



ANNUAL COURSE REPORT

A) Administrative Information

Course Title	Tribology			Code	PRE 706
Department offering the course	Prod. Eng. & Mech. Design. Dept.			Level	Ph.D.
Programme on which the course is given					
Department(s) offering the programme					
Academic year	2013 / 2014	AD	Semester	() First, (V) Second	
Start data	/ 2 / 2014	AD	End date	/ 6 / 2014 AD	
Actual taught hours	Lecture	Tutorial	Lab.	Total	
	3	-	-	3	
Are there any difference between these figures and those specified? () Yes, (V) No. , If yes, please give the reasons:					
1)					
2)					
3)					
Names of Lectures contributing to the delivery of the course.	1) Surface topography & modern models of surfaces contact mechanics 2) Friction & there affecting variables 3) Lubrication types.and Case studies of lubrication in mechanical design				
Members of course examination committee.	1) Dr. Gaber M. Sheha 2) 3)				
Dates of meeting of course examination committee.					
Course coordinator	Dr. Gaber M. Sheha				
External evaluator					

B) Statistical Information

No. of students starting the course			No. of students completing the course								
1			1								
Results of completing students	Passed	No.	1		Failed	No.	0				
		%	100			%	0				
Grading of completing students (of total pass)											
Excellent	No.		Very Good	No.		Good	No.		Pass	No.	
	%		%	%	%	%	%	%	%	%	%
Are the grades acceptable? () Yes, () No. If no, please give the reasons.											
1)											
2)											
3)											



C) Professional Information

1) Course teaching 85%
Topics taught as a percentage of those specified: () 100 % (√) < 100%
If the percentage is less than 100%, please give reasons for not teaching any topic:
1) Lack in laboratories
2) Environmental conditions
3)
Referring to the course specification, please list any ILO's specified but not taught.
1) C-3) Evaluate & develop methods & tools applied in Tribology.
2)
3)

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

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

4) Facilities and Teaching Materials : please check √		
Totally adequate		
Adequate to some extent	V	
Inadequate		
Reasons of your choice: please check √		
() academic staff	() non- academic staff	(V) teaching accommodation
(V) library	V) laboratories	() 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 (√ or X)	Reasons

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

Course coordinator
Dr. Gaber M. Sheha

Signature



ANNUAL COURSE REPORT

A) Administrative Information

Course Title	Abrasive machining methods			Code	PRE 708
Department offering the course	Prod. Eng. & Mech. Design. Dept.			Level	Ph.D
Programme on which the course is given					
Department(s) offering the programme					
Academic year	2013 / 2014	AD	Semester	()First, (V)Second	
Start data	/ 2 /2014	AD	End date	/ 6 /2014	
Actual taught hours	Lecture	Tutorial	Lab.	Total	
	3	-	-	3	
Are there any difference between these figures and those specified? ()Yes, (V) No. , If yes, please give the reasons: 1) 2) 3)					
Names of Lectures contributing to the delivery of the course.	1) Theory of abrasive machining - Wear and Frictions Theories 2) Abrasive machining methods - grinding – honing 3) Super finishing USM – AFM- Other new techniques.				
Members of course examination committee.	1) Prof. Mahmood Hewedi 2) 3)				
Dates of meeting of course examination committee.					
Course coordinator	Prof. Mahmood Hewedi				
External evaluator					



B) Statistical Information

No. of students starting the course				No. of students completing the course			
1				1			
Results of completing students		Passed	No.	1	Failed	No.	0
			%	100		%	0
Grading of completing students (of total pass)							
Excellent	No.		Very Good	No.		Good	No.
	%			%			%
Are the grades acceptable? () Yes, () No. If no, please give the reasons.							
1)							
2)							
3)							

C) Professional Information

1) Course teaching 90%
Topics taught as a percentage of those specified: () 100 % (<input checked="" type="checkbox"/>) < 100% If the percentage is less than 100%, please give reasons for not teaching any topic:
1) Lack in experiments in laboratories
2) Environmental conditions
3)
Referring to the course specification, please list any ILO's specified but not taught.
1) c3. Evaluate and develop methods and tools applied in production engineering..
2)
3)

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



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

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

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 (\checkmark or X)	Reasons

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

Menoufiya University
Faculty of Engineering
Shebin El- Koom



جامعة المنوفية
كلية الهندسة بشبين الكوم

Course coordinator

Prof. Mahmood Hewedi

Signature



ANNUAL COURSE REPORT

A) Administrative Information

Course Title	Production Engineering			Code	PRE 715
Department offering the course	Prod. Eng. & Mech. Design. Dept.			Level	Ph.D.
Programme on which the course is given					
Department(s) offering the programme					
Academic year	2013 / 2014	AD	Semester	()First, (V)Second	
Start data	/ 2 / 2014	AD	End date	/ 6 / 2014 AD	
Actual taught hours	Lecture	Tutorial	Lab.	Total	
	3	-	-	3	
Are there any difference between these figures and those specified? ()Yes, (V)No. , If yes, please give the reasons: 1) 2) 3)					
Names of Lectures contributing to the delivery of the course.	1) Integrate practical knowledge on the Production Eng and Machining Processes 2) Gain research talent in electrical power systems 3) . Up-to-date the present researches in the Production Eng and Machining Processes.				
Members of course examination committee.	1) Prof. M.Fattouh 2) 3)				
Dates of meeting of course examination committee.					
Course coordinator	Prof. M.Fattouh				
External evaluator					



B) Statistical Information

No. of students starting the course				No. of students completing the course							
1				1							
Results of completing students		Passed	No.	1	Failed	No.	0				
			%	100		%	0				
Grading of completing students (of total pass)											
Excellent	No.		Very Good	No.		Good	No.		Pass	No.	
	%			%			%			%	
Are the grades acceptable? () Yes, () No. If no, please give the reasons.											
1)											
2)											
3)											

C) Professional Information

1) Course teaching 90%
Topics taught as a percentage of those specified: () 100 % (√) < 100%
If the percentage is less than 100%, please give reasons for not teaching any topic:
1) Library books related to the subject
2) Environmental conditions and lack in laboratories
3) holidays
Referring to the course specification, please list any ILO's specified but not taught.
1) b9.Perform dialogue and debate based on evidence.
2)
3)

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



Total	100	100 %
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3) Teaching and Learning Methods : (please check \checkmark or X)			
Lectures	\checkmark	Work Shop	X
Practical Training		Class activity	X
Laboratory	X	Case Study	\checkmark
Seminar		Other assignments/homework	

4) Facilities and Teaching Materials : please check \checkmark		
Totally adequate		
Adequate to some extent	V	
Inadequate		
Reasons of your choice: please check \checkmark		
() academic staff	() non- academic staff	(V) teaching accommodation
(V) library	V) laboratories	() 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 (\checkmark or X)	Reasons

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

Menoufiya University
Faculty of Engineering
Shebin El- Koom



جامعة المنوفية
كلية الهندسة بشبين الكوم

Course coordinator
Prof. M.Fattouh

Signature



ANNUAL COURSE REPORT

A) Administrative Information

Course Title	Nanotechnology			Code	PRE 716
Department offering the course	Prod. Eng. & Mech. Design. Dept.			Level	Ph.D.
Programme on which the course is given					
Department(s) offering the programme					
Academic year	2013 / 2014	AD	Semester	() First, (V) Second	
Start data	/ 2 / 2014	AD	End date	/ 6 / 2014 AD	
Actual taught hours	Lecture	Tutorial	Lab.	Total	
	3	-	-	3	
Are there any difference between these figures and those specified? () Yes, (V) No. , If yes, please give the reasons:					
1)					
2)					
3)					
Names of Lectures contributing to the delivery of the course.		1) Nano fabricayions 2) carbon nano tubes 3) Proton exchange membrane			
Members of course examination committee.		1) Prof. Dr. ahmed el-sisi 2) 3)			
Dates of meeting of course examination committee.					
Course coordinator	Prof. Dr. ahmed el-sisi				
External evaluator					

B) Statistical Information

No. of students starting the course			No. of students completing the course			
1			1			
Results of completing students	Passed	No.	1	Failed	No.	0
		%	100		%	0
Grading of completing students (of total pass)						
Excellent	No.	Very Good	No.	Good	No.	Pass
	%		%		%	
Are the grades acceptable? () Yes, () No. If no, please give the reasons.						
1)						
2)						
3)						



C) Professional Information

1) Course teaching 85%

Topics taught as a percentage of those specified: () 100 % (√) < 100%

If the percentage is less than 100%, please give reasons for not teaching any topic:

- 1) Lack in laboratories
- 2) Environmental conditions
- 3)

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

- 1) C-3) Evaluate & develop methods & tools applied in Tribology.
- 2)
- 3)

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

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

4) Facilities and Teaching Materials : please check √		
Totally adequate		
Adequate to some extent	V	
Inadequate		
Reasons of your choice: please check √		
() academic staff	() non- academic staff	(V) teaching accommodation
(V) library	V) laboratories	() IT facility

5) Administrative Constrain	
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6) Student evaluation of Course	Comments of Course Team
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	1) 2) 3)
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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 (√ or X)	Reasons

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

Course coordinator
Prof. Dr. Ahmed el-sisi

Signature