Menoufiya University
Faculty of Computers and Information
Department of Computer Science

جامعة المنوفية
كلية الحاسبات والمعلومات
قسم علوم الحاسب

Annual Course Report

(SOFTWARE ENGINEERING-2)

A- Basic Information

1- Title and Code Software Engineering-2/ CS353

2- Programme(s) on which this course is given Computer Science

3- Academic year / Level of programme 3rd year - 2nd Semester

4- Units/Weekly hours

Lecture 3   Tutorial/Practical 3   Total 6

5- Names of lecturers contributing to the delivery of the course

1-Dr. Ashraf Elsisi

Course co-ordinator: Dr. Ashraf Elsisi
External evaluators: Not assigned yet

B- Statistical Information

No. of students attending the course: No. 31   % 100

No. of students completing the course: No. 31   % 100

Results:

Passed: No. 30   % 96.8   Failed: No. 1   % 3.2

Grading of successful students:

Excellent: No. 0   % 0   Very Good: No. 1   % 3

Good :   No. 9   % 29   Pass: No. 20   % 65

C- Professional Information

1- Course Teaching

	Topics actually taught	No. of hours	Lecturer
1	**Introduction**	3	Dr. Ashraf Elsisi
2	**Software Metrics** • Definition of Software Metrics. • Classification of Software Metrics. • Process Metrics, Models, and Empirical Validation. • Implementation of a Metrics Program	6	Dr. Ashraf Elsisi
3	**Program Metrics** • Measures. • Metrics.	6	Dr. Ashraf Elsisi
4	**Software Maintenance** • Definition. • Maintenance and Costs. • Maintenance Estimation Models.	6	Dr. Ashraf Elsisi
5	**Line of Code and Function Metrics** • Measuring Line of Code (LOC). • Advantages and Disadvantages of LOC. • Function Point. • Adjustment Factor. • Calculation Total Function Point	12	Dr. Ashraf Elsisi
6	**Software Cost Estimation** • Software Productivity. • Estimation Techniques. • Algorithmic Cost Modeling	12	Dr. Ashraf Elsisi
7	**Object Oriented Development, Metrics, and Testing** • Introduction • Identifying Objects. • Identifying Associations. • Metrics Suite for Object Oriented Design. • Object Oriented Testing	18	Dr. Ashraf Elsisi
8	**Software Testing** • Examining the Specification. • Testing with Blinders On. • Examining the Code. • Testing with X-Ray Glasses	18	Dr. Ashraf Elsisi

Topics taught as a percentage of the content specified:

>90 %	√	**70-90 %**		**<70%**	

2- Teaching and Learning Methods:

Lectures: ☑

Practical Training/ Laboratory: ☑

Seminar/Workshop: ☑

Class Activity: ☑

Case Study: ☑

Other Assignments/Homework:
None

3- Student Assessment:

Method of Assessment	Percentage of total
Written examination	60
Oral examination	10
Practical/laboratory work	10
Other Assignments/class work	20
Total	100 %

Members of Examination Committee:
Dr. Ashraf Elsisi
Mr. Mahmoud Khattab

Role of external evaluator:
External evaluator not assigned yet

4- Facilities and Teaching Materials:

Totally adequate ☐

Adequate to some extent ☑

Inadequate ☐

5- Administrative Constraints

We need more fund to get the most recent machines and equipments and construct more laboratories that facilitate the delivery of the course. Also, we need more qualified people for maintaining laboratories

6- Student Evaluation of the course: Response of Course Team

| Projects not have sufficient time for complete it. | No thing to do this is all time we have to complete course. |

7- Comments from external evaluator(s):

External evaluator not assigned yet. .

8- Course Enhancement:

Progress on actions identified in the previous year's action plan:
This is the first year and no previous action Plan**.**

 Role of external evaluator:
External evaluator not assigned yet

9- Action Plan for Academic Year 2006 – 2007

Actions Required	Completion Date	Person Responsible
Update the case studies UML in The lab.	2007	Mr. Mahmoud Khatab
Trying to give students projects can be completed in course time.	2007	Mr. Mahmoud Khatab

Course Coordinator: Dr. Ashraf Elsisi

Signature:

Date: