Annual Course Report

(Software Engineering)

A- Basic Information

1. **Title and Code**   **Software Engineering**

2. **Program(s) on which this course is given**   CSE 462

3. **Academic year / Level of program**   4th year / 1st Semester

4. **Units/Weekly hours**

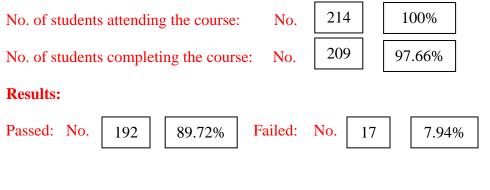   Lecture   3   Tutorial/Practical   3   Total   6

5. **Names of lecturers contributing to the delivery of the course**

   Dr. Zeiad El-Saghir

   Course coordinator: Dr. Zeiad El-Saghir

   External evaluators: Prof. Fawzy Torky

B- Statistical Information

No. of students attending the course: No.   214   100%

No. of students completing the course: No.   209   97.66%

Results:

Passed: No.   192   89.72%   Failed: No.   17   7.94%

Grading of successful students:

Excellent: No.   12   5.607%   Very Good: No.   18   8.41%

Good: No.   38   17.76%   Pass: No.   124   57.94%

Professional Information

1. Course Teaching

Topic	No of hours	Lecture	Tutorial/ Practical	Achieved ILOs
The nature, rationale and principles of software engineering.	6	3	3	A1
Phases of development Requirements and their relationship to testing.	6	3	3	A5, B2, C3
Specification and introductory design. Designing with Finite State Machines.	18	9	9	A6, A10, B4, B5, C9, D3
Designing with Jackson Structured Programming.	18	9	9	A10, A14, B10, C12, D1
Designing with Data Flow Diagrams.	12	6	6	A5, A16, B14, C13, C15, D5
Testing and Coverage Metrics.	12	6	6	A1, B16, C14, D7
Inspection, Maintenance and Evolution	12	6	6	A10, B17, C13, C15, D6
Total sum	84	42	42	

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: [√]

3. Student Assessment:

Method of Assessment   Percentage of total

Class tutorial and quizzes:	5	%
Mid-term examination:	15	%
Case study and/or practical exam:	15	%
Final – term examination:	60	%
Other types of assessment:	5	%
Total	100	%

Members of Examination Committee:
Dr. Zeiad El-Saghir

Role of External Evaluator:
The external evaluator was not effectively involved in the student examination assessment in the last academic year.

4. **Facilities and Teaching Materials:**

Totally adequate ☐

Adequate to some extent ☑

Inadequate ☐

5. **Administrative Constraints**

- Insufficient Laboratory time.

6. **Student Evaluation of the Course:**   **Response of Course Team**

- Lack of practice problems and exercises   - An extra exercises and solved problems are added to the Tutorial of the course.

7. **Comments from External Evaluator(s):**

Response has not received.

8. Action Plan for Academic Year 2011 – 2012

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	No feedback of the examination to the students, so exams can not be used for learning.	- Formative exams during the term with a feedback to the students, so these examinations can be used as a method of learning.	- Faculty - Department	2013
Quality of Teaching and Learning	Students attendance at lecture are not very good	- Engagement of students from different academic years to the curriculum development	- Faculty - Department	2013
Learning resources	- There aren't adequate practical application.	-To acquire a facilities to laboratories in a new plan	- University - Faculty	2016
Course content	Lake of original reference text books	lectures notes prepared in the form of a book authorized by the department.	Course coordinator	2013

Course Coordinator: Dr. Zeiad El-Saghir

Signature:

Date: /   /