

Form no. (16)  
Course Report

University/Academy:

Faculty/Institute: Alexandria Higher Institute of Engineering & Technology (AIET)

Program: Industrial Engineering

A- Basic information

|  |   |
|--|---|
| 1. Course title and course code                  | Design of Machine Elements / ME142  |
| 2. Specialization                                | Mechatronics  |
| 3. Year/Level                                    | First year / 1 <sup>st</sup>  |
| 4. Units/Credit hours                            | Lecture (2) + Practical (4)   |
| 5. The system used to select the exams committee | -----   |
| 6. External reviewing system of exam             | Available <input type="checkbox"/> Not available <input type="checkbox"/> |
| 7. Number of teaching staff                      | 1   |

B- Specialized information

|  |  |
|--|--|
| <b>1- Statistics:</b>  |  |
| No. of students enrolled in this course                        | -----  |
| No. of students who took the exam                              | -----  |
| Exam results   | No. passed <input type="checkbox"/> <input type="checkbox"/> % No. Failed <input type="checkbox"/> <input type="checkbox"/> %  |
| Percentage of successful students according to grades obtained | Excellent <input type="checkbox"/> Very good <input type="checkbox"/><br>Good <input type="checkbox"/> Pass <input type="checkbox"/>   |
| <b>2- Course teaching:</b>                                     |  |
| Topics that have been taught                                   | Introduction - Simple Stresses - Compound Stresses - Design of Rivets - Welding - Belt Drive - Screw - Locking devices - Keys and Pins - Welded joints and symbols - Helical spring and Bearing – Gears. |
| Percentage of what has been taught from the syllabus           | 75%  |
| Commitment of instructors towards the syllabus                 | > 85% <input type="checkbox"/> 60-85% <input type="checkbox"/> < 60% <input type="checkbox"/>  |
| The extent to which the exam covers the course content         | > 85% <input type="checkbox"/> 60-85% <input type="checkbox"/> < 60% <input type="checkbox"/>  |
| Teaching and learning methods                                  | Lectures <input type="checkbox"/> Practical training <input type="checkbox"/><br>Case study <input type="checkbox"/> Class activity <input type="checkbox"/><br>Class work (to be mentioned): yes        |
| Student assessment method                                      | Theoretical <input type="checkbox"/> Practical <input type="checkbox"/><br>Oral <input type="checkbox"/> Class work <input type="checkbox"/>   |

|  |  |                              |  |
|--|--|------------------------------|--|
| <b>3- Facilities available for teaching:</b>                         |  |                              |  |
| - Scientific reference books   | Available <input type="checkbox"/>     | /                            | Available to limited extent <input type="checkbox"/> |
|  | Not available <input type="checkbox"/> |                              |  |
| - Specific media   | Available <input type="checkbox"/>     |                              | Available to limited extent <input type="checkbox"/> |
|  | Not available <input type="checkbox"/> |                              |  |
| - Requisites and materials   | Available <input type="checkbox"/>     |                              | Available to limited extent <input type="checkbox"/> |
|  | Not available <input type="checkbox"/> |                              |  |
| <b>4- Administration and organization constraints</b>                |  |                              |  |
| <b>5- Student evaluation of the course (%)</b>                       |  |                              |  |
| <b>6- Suggestions for improving the course</b>                       |  |                              |  |
| -  |  |                              |  |
| <b>7- External reviewer comments (if any)</b>                        |  |                              |  |
| ---  |  |                              |  |
| <b>8- The implementation of the previous year's suggestions</b>      |  |                              |  |
| ---  |  |                              |  |
| <b>9- Previous suggestions not implemented (What are they? Why?)</b> |  |                              |  |
| ---  |  |                              |  |
| <b>10- Course development action plan for next year</b>              |  |                              |  |
| <b>Areas of development</b>  | <b>Description of development</b>      | <b>Timing of development</b> | <b>Person responsible for the implementation</b>     |
|  |  |                              |  |
|  |  |                              |  |

Course coordinator name: Dr. Rola Afify

Signature:

Date: 7 / 8 /2011