***Course Report of***

# CSE 323a Measurements and Testing (1)

**A- Basic Information**

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| --- | --- | --- | --- | --- | --- |
| **Course title:** | Measurement and Testing (1) | | | | |
| **Course code:** | CSE 323a | | | | |
| **Academic year**: | | | 3rd Year (4th Level) | | |
| **Program including the course:** | | | Computers and Systems Engineering | | |
| **Department offering the program:** | | | Computers and Systems Engineering | | |
| **Department offering the course:** | | | Computers and Systems Engineering | | |
| **Lecture:** 2 | | **Tutorial:** 1 | **Lab.:** 3 | **Total:** 6 |  |
| **Lecturer:** | | Dr. Ahmed Alenany | |  | |

**B- Statistical Information**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No. of students attending the course: No.** | | | | 14 |  |  |
| **Results:** | | | | | | |
|  | **No.** | **%** |  | **Grading of successful students:** | | |
| **Passed:** | 12 | 85.7 |  | Grade | **No.** | **%** |
| **Failed:** | 2 | 14.3 |  | **Excellent** | 1 | 7.14 |
|  | | | | **Very Good** | 3 | 21.43 |
|  | | | | **Good** | 3 | 21.43 |
|  | | | | **Pass** | 5 | 35.70 |

**C- Professional Information**

1. **Course Teaching**

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| --- |
| **Topic actually taught** |
| Basic electronic components. |
| RC filters design. |
| Bridge circuits |
| Signal conditioning |
| Digital multi-meters (DMM) and oscilloscope. |
| Measurement of capacitance, inductance, frequency and phase. |
| Static and dynamic characteristics of a measurement system |
| Types of measurement errors |
| Statistical analysis of the measurement data. |

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| --- | --- | --- | --- | --- | --- |
| **Topics taught as a percentage of the content specified:** | | | | | |
| **> 90%:** | 100 | **70-90%:** |  | **< 70 %:** |  |
| **Reasons in detail for not teaching any topic:** | | | | | |
| **If any topics were taught which are not specified, give reasons in detail**  None | | | | | |

**2- Teaching and Learning Methods**

|  |  |
| --- | --- |
| **Lectures:** | Yes |
| **Tutorial:** | Yes |
| **Lab.** | Yes |
| **Seminar/ Workshop:** | No |
| **Case study:** | No |
| **Other assignments/homework:** | Yes |
| **Others:** | No |

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| **5- Student Assessment**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Category** | **Description** | **No.** | **Schedule (Week No.)** | **Mark** | | Semester work | Reports + Quizzes | 8 | 3,4,5,6,7,8,9,10 | 36 | | Oral & Practical Exam | Oral & Practical Exam | 1 | 14 | 50 | | Written exams | Mid-Term Exam | 1 | 8 | 14 | | Final Exam | 1 | 15 | 50 | |  | | | **Total** | **150** | |

**Members of examination committee** Dr. Ahmed Alenany

**Role of external evaluator** None

**4- Facilities and Teaching Materials**

|  |  |
| --- | --- |
| **Totally adequate** | Yes |
| **Adequate to some extent** |  |
| **Inadequate** |  |
| **List any inadequacies:** | None | |

**5- Difficulties Faced during the Course**

**6- Student Evaluation of the Course (List any Criticisms)**

|  |  |
| --- | --- |
| **Criticisms:** | **Response of course team** |
|  |  |
|  |  |

**7- Comments from External Evaluator(s):     Response of course team**

None

**8- Proposals for Course Enhancement:**

|  |
| --- |
| **Progress on actions identified in the previous year’s action plan:** |
| **Action State whether or not completed and give reasons for any non-completion** None |

**9- Action Plan for the Next Academic Year**

- Same as the present year.

**Actions required  Completion date  Person responsible**

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| **Course Coordinator:** Dr. Ahmed Alenany  Signature:  Date: |