***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**

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| --- | --- | --- | --- | --- |
| **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** |

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

**Role of external evaluator** None

**4- Facilities and Teaching Materials**

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| --- | --- |
| **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** |
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|  |  |

**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 AlenanySignature:Date: |