





## COURSE SPECIFICATIONS (2011-2012)

**Benha University**

**Faculty of Engineering at Shobra**

**Electrical Engineering Department**

b.13) Identify and formulate engineering problems to solve problems in the field of electrical power and machines engineering.

**c- Professional and Practical Skills**

- c.10) Apply quality assurance procedures and follow codes and standards.
- c.11) Exchange knowledge and skills with engineering community and industry.
- c.12) Prepare and present technical reports.

**d- General and Transferable Skills**

- d.3) Communicate effectively
- d.5) Lead and motivate individuals.
- d.8) Acquire entrepreneurial skills.

**3- Contents**

No.	Topic	No. of hours	ILO's	Teaching / learning methods and strategies	Assessment method
1	forms and structure of technical reports	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
2	forms and structure of technical reports	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
3	elements of quality of technical reports	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
4	elements of quality of technical reports	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
5	types of manuscripts and compilation	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
6	types of manuscripts and compilation	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
7	planning of technical reports	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes



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8	Mid-Term Exam				
9	planning of technical reports	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
10	tables and graphical charts	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
11	tables and graphical charts	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
12	case studies	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
13	case studies	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
14	case studies	2	a9, a10, a12, b4, b13, c10, c11, c12, d3, d5, d8	Lectures, Class activity, Assignments / homework	Home Assignments, Quizzes
15	Final Exam				
16	Final Exam				

### 4- Teaching and Learning Methods

- Lectures
- Class activity
- Case study
- Assignments / homework

### 5- Student Assessment Methods

- Assignments to assess knowledge and intellectual skills. yes
- Quiz to assess knowledge, intellectual and professional skills. yes
- Mid-term exam to assess knowledge, intellectual, professional and general skills. yes
- Oral exam to assess knowledge and intellectual skills. no
- Final exam to assess knowledge, intellectual, professional and general skills. yes



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### **Assessment Schedule**

- Assessment 1 on weeks 2, 5, 9, 11 yes
- Assessment 2 Quizzes on weeks 4, 6, 10, 12 yes
- Assessment 3 Mid-term exam on week 8 yes
- Assessment 0 Oral Exam on week 14
- Assessment 5 Final exam on week 15 yes

### **Weighting of Assessments**

- 10% Home assignments yes
- 10% Quizzes yes
- 10% Mid-term examination yes
- 0% Oral examination
- 70% Final-term examination
- 100% Total

### **6- List of References**

- Course notes
  - Course notes prepared by instructor.
- Essential books
  - lectures in writing technical reports compiled by prof . dr. fahmy bendary
- Recommended books
  - all books available in this topic

### **7- Facilities required for teaching and learning**

- Lecture room equipped with overhead projector no
- Presentation board, computer and data show yes
- Laboratory no

**Course coordinator:** Prof. Dr. fahmy bendary

**Course instructor:** Prof. Dr. fahmy bendary



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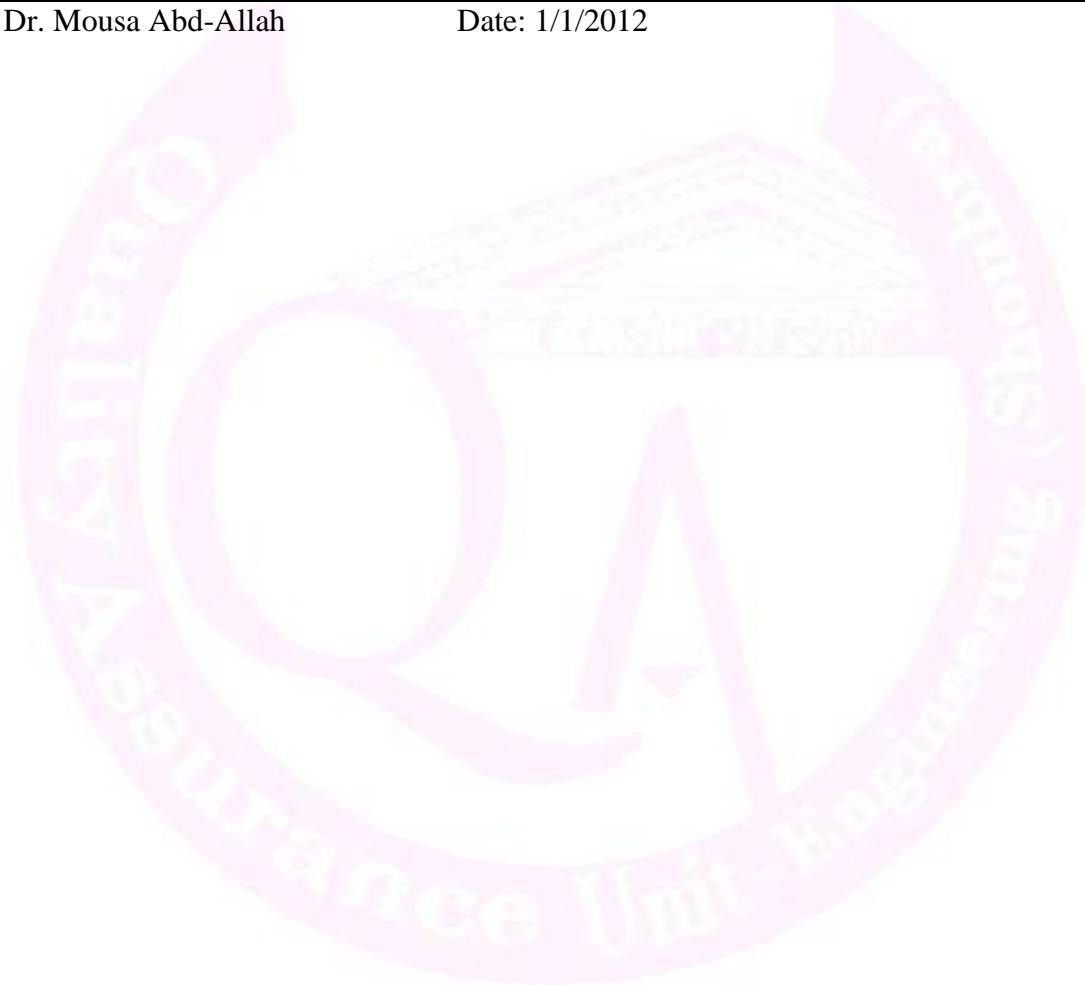
**Benha University**

**Faculty of Engineering at Shobra**

**Electrical Engineering Department**

**Head of Department:** Prof. Dr. Mousa Abd-Allah

Date: 1/1/2012



وحدة ضمان الجودة