



Model No.12

Course Specifications : Engineering legislation

2014-2015

Faculty of Engineering at
Shoubra

University : Benha university

Faculty : Faculty of Engineering at Shoubra

Department : Electrical Engineering Department

1- Course Data

Course Code : GEN 181

Course Title : Engineering legislation

Study Year : first Year

Specialization :

Electronic and Communication Engineering

Teaching Hours:

Lecture : 2

Tutorial :

Practical :

2- Course Aim

For students undertaking this course, the aims are to:

2.1- By the end of the course the students will be able to:

- Understanding the methods of different law applications
 - Understanding the resonant conditions in Engineering contracts and legislation
 - Law No. 66 of 1974 covering the Engineers Syndicate
 - Law No. 10 of 2003 covering the telecommunications organization law
- Understand the Egyptian Civil Law

3- Intended Learning Outcomes of Course (ILOS)

a- Knowledge and Understanding

On completing this course, students will be able to:

- a- 1- Define concepts of Engineering contracts and legislation. (a1)
- a- 2- Define Characteristics of engineering contracts, telecommunications organization law. (a3)
- a- 3- Describe and solve engineering legislation problems, data collection, and interpretation..(a5)

b- Intellectual Skills

At the end of this course, the students will be able to:

- b- 1- Select appropriate Civil Law and analyzing problems.. (b1)
- b- 2 - Select appropriate solutions for engineering legislation problems based on analytical thinking. (b2)
- b- 3 - Think in a creative and innovative way in legislation problem solving. (b4)
- b- 4- Assess and evaluate Law No. 66 of 1974 established the Engineers Syndicate.(b5)
- b-5 - Analyze results of legislation problem solving. (b12)
- b-6 - Analyze Law No. 10 of 2003 on tenders and auctions and its executive regulations.(b16)

c- Professional Skills

On completing this course, the students are expected to be able to:

- c- 1 Apply knowledge of Law No. 10 of 2003 on tenders and auctions and its executive regulations- Public tender - Local tender practice.(c1)
- c- 2- Use Law No. 66 of 1974 established the Engineers Association, The establishment of the guild and its goals Conditions of devices and methods of formation Of shareholder meeting..(c5)
- c- 3- Use a wide range of Contract staff of the contract, The effects of the contract , Dissolution of the contract , Contracts received , The expiration of design Civil Law (c6)
- c-4 Apply methods for solving engineering legislation problems.(c7)

d- General Skills

At the end of this course, the students will be able to:

- d-1 Collaborate effectively within multidisciplinary team.(d1)
- d-2 Work in stressful environment and within constraints.(d2)
- d-3 Communicate effectively.(d3)

4- Course Contents

No.	Topics	No of hours
1	Civil Law	4
2	A natural person - The legal person - Contract staff of the contract	4
3	Dissolution of the contract - Contracts received to work - Contract ,Sub-contracted The expiration of designCivil Law	4
4	Law No. 10 of 2003 on tenders and auctions and its executive regulations Public tender - Local tender - Limited tender - General practice- Practice, Ltd. Direct agreement	4
5	Law No. 66 of 1974 established the Engineers Association The establishment of the guild and its goalsOf shareholder meeting	4
6	Conditions of membership Guild devices and methods of formation	4
7	Council of the Bar and Captain And duties of members of the Guild	4

5- Teaching and Learning Methods

- 5.1-Modified Lectures
- 5.2- Class activity
- 5.3- Case study
- 5.4- Assignments / homework

6- Teaching and Learning Methods of Disables

- 6.1- Nothing

7- Student Assessment

a- Student Assessment Methods

1	Assignments to assess knowledge, intellectual and professional skills.
2	Quiz to assess knowledge, intellectual and professional skills.
3	Mid-term exam to assess knowledge, intellectual skills
4	Final exam to assess knowledge, intellectual skills.

b- Assessment Schedule

No.	Assessment	Week
1	Assessment 1	3,7,11
2	Quizzes	4, 6, 12
3	Mid-term exam	8
4	Final exam	15

c- Weighting of Assessments

Assessment	Weight
Mid_Term Examination	10 %
Final_Term Examination	64 %
Oral Examination	0 %
Practical Examination	0 %
Semester work	16 %
Other types of assessment	10 %
Total	100 %

8- List of References

a- Course Notes

Course notes prepared by instructor.
Ministry of Industry and Technological Development
Ministry of Economy and Foreign Trade
Civil Law

Course Instructor:

- Course coordinator:

- Course instructor: Dr. Ahmad AbdelAziz El-Banna

- Head of Department : Prof. Dr. Sayed Abo -Elsood Ward



Shoubra Faculty of
Engineering

Model No.11A

Course Specifications : Engineering legislation 2014-2015

University : Benha university

Faculty : Shoubra Faculty of Engineering

Department : Electrical Engineering Department

Matrix of Knowledge and Skills of the course

No.	Topics	week	Basic Knowledge	Intellectual Skills	Professional Skills	General Skills
1	Civil Law	1	a1	B1		
2	Civil Law	2	a1	b1	c2	d2
3	A natural person The legal person Contract staff of the contract	3	a2,A5	B1, b11	c1, c2	
4	A natural person The legal person Contract staff of the contract	4	a2,A5	b2. b4	c1, c2	
5	Dissolution of the contract Contracts received to work Contract Sub-contracted The expiration of design Civil Law	5	a2,A5	b2. b5,B1,B3,B14	C5, c7	
6	Dissolution of the contract Contracts received to work Contract Sub-contracted The expiration of design Civil Law	6	a2,A5	b2. b5,B1,B3,B14	C5, c7	
7	Law No. 10 of 2003 on tenders and auctions and its executive regulations Public tender Local tender Limited tender General practice Practice, Ltd. Direct agreement	7	A3,a5	b1,b3.B5, B11,B14,	C5	
8	Mid-Term Exam	8	a1,a2	b1,b3,b4		d1,d2,d3
9	Law No. 10 of 2003 on tenders and auctions and its executive regulations Public tender Local tender Limited tender General practice Practice, Ltd. Direct agreement	9	A3,a5	b1,b3.B5,B11,B14,	C5	
10	Law No. 66 of 1974 established the Engineers Association The establishment of the guild and its goals Of shareholder meeting	10	A3,a5	b1,b3.B5,B11,B14,	C5	
11	Law No. 66 of 1974 established the Engineers Association The establishment of the guild and its goals Of shareholder meeting	11	A3,a5	b1,b3.B5,B11,B14,	C5	
12	Conditions of membership Guild devices and methods of formation	12	a1, a2, a3	b2, b3	c2	
13	Conditions of membership Guild devices and methods of formation	13	a2	b1,b4	c1, c2	
14	Council of the Bar and Captain And duties of members of the Guild	14	a1,a3	b1, b2, b3	c2, c3	
15	Council of the Bar and Captain And duties of members of the Guild	15	a1,a2,a3	b1,b3,b4		
16	Final exam		A3,a5	b1,b3.B5,B11,B14,	C5	D1,d2,d3

Course Instructor:

- Course coordinator:

-Course instructor: **Dr. Ahmad AbdelAziz El-Banna**

- Head of Department : **Prof. Dr. Sayed Abo -Elsood Ward**

Matrix of course content and ILO's

Course Title: Engineering legislation **Code:** GEN 181
Lecture: 2 **Tutorial:** **Practical:** - **Total:**2
Program on which the course is given: B.Sc. electrical Engineering
Major or minor element of program: N. A.
Department offering the program: communication Engineering Department
Department offering the course: communication Engineering Department
Academic year / level: First Year / First Semester 2014/2015
Date of specifications approval: 20/6/2010

Course content	a1	a2	a3	b1	b2	b3	b4	b5	b6	c1	c2	c3	c4	d1	d2	d3
Civil Law	✓															
A natural person The legal person Contract staff of the contract	✓			✓					✓							
Dissolution of the contract Contracts received to work Contract Sub-contracted		✓			✓		✓	✓	✓							
Law No. 10 of 2003 on tenders and auctions and its executive regulations Public tender Local tender		✓			✓		✓	✓	✓		✓					
Law No. 66 of 1974 established the Engineers Association The establishment of the guild and its goals Of shareholder meeting		✓		✓	✓		✓	✓	✓							
Conditions of membership Guild devices and methods of formation	✓	✓		✓		✓			✓			✓				
Council of the Bar and Captain And duties of members of the Guild	✓	✓		✓		✓		✓	✓		✓					

Matrix of course aims and ILO's

Course Title: Engineering legislation **Code:** GEN 181
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Department offering the program: communication Engineering Department
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Course aims	a1	a2	a3	b1	b2	b3	b4	b5	b6	c1	c2	c3	c4	d1	d2	d3
Understanding the resonant conditions in Engineering contracts and legislation Law No. 66 of 1974 established the Engineers Association The establishment of the guild and its goals Conditions of membership Guild devices	✓	✓			✓	✓	✓			✓	✓	✓			✓	
Analyze the effects of the contract, Dissolution of the contract , Contracts received to work Contract , Sub-contracted , and The expiration of design Civil Law The expiration of design Civil Lawfunctions.	✓	✓	✓		✓		✓			✓	✓	✓		✓	✓	

Course Instructor:

- Course Coordinator :

-Course instructor: Dr. Ahmad El-Banna

Head of Department : Prof. Dr. Sayed Abo -Elsood Ward