



Shoubra Faculty of
Engineering

Model No.12

Course Specifications : Project management

University : Benha university

Faculty : Shoubra Faculty of Engineering

Department : Electrical Engineering Department

1- Course Data

Course Code : GEN381 Course Title : Project management Study Year : Third Year

Specialization :

Teaching Hours:

Lecture : 2

Tutorial :

Practical :

2- Course Aim

For students undertaking this course, the aims are to:

2.1 Studying and/or practice on: Some Definitions - project as part of a strategic plan - Relations between the programs, projects, budgets and regulatory plans - regulatory processes - project planning - quantitative methods to manage the project - project requirements - Materials - manpower - Facilities - Finance - Project Schedule - Project organization - the implementation of the project - control of the project - performance evaluation

3- Intended Learning Outcomes of Course (ILOS)

a- Knowledge and Understanding

On completing this course, students will be able to:

- a.1) Demonstrate methodologies of data collection interpretation and solving engineering problems. (a6)
- a.2) List business management principles relevant to engineering..(a8)

b- Intellectual Skills

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

- b.1) Select appropriate computer-based methods for analyzing problems. (b2)
- b.2) Judge engineering decisions considering balanced costs, benefits, safety, quality, reliability, and environment
- b.3)) Incorporate economic, social, environmental dimensions and risk management in design.(b11)
- b.4) Plan, conduct and write a report on a project or assignment.(b15)

c- Professional Skills

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

- c. 1) Demonstrate basic organizational and project management skills. (c9)

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)
- d.4) Lead and motivate individuals.(d5)
- d.5) Effectively manage tasks, time, and resources.(d6)
- d.6) Share ideas and communicate with others according to the rules of professional ethics.(d11)
- d.7) Develop skills related to creative and critical thinking as well as problem solving.(d12)

4- Course Contents

No.	Topics	No of hours
1	Some Definitions & project as part of a strategic plan	6
2	Relations between the programs, projects, budgets and regulatory plans& regulatory processes	8
3	project planning & quantitative methods to manage the project	2
4	project requirements - Materials - manpower - Facilities - Finance	2
5	Project Schedule - Project organization	4
6	the implementation of the projects	4

5- Teaching and Learning Methods

- 5.1-Lectures
- 5.2- Case study
- 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	Oral exam to assess knowledge and intellectual skills.
4	Mid-term exam to assess knowledge, intellectual skills
5	Final exam to assess knowledge, intellectual skills.

b- Assessment Schedule

No.	Assessment	Week
1	Assessments	2, 5, 9, 11
2	Quizzes	4, 6, 10, 12
3	Mid-term exam	8
4	Oral Exam	14
5	Final exam	15

c- Weighting of Assessments

Assessment	Weight
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Mid_Term Examination	25 %
Final_Term Examination	60 %
Oral Examination	10 %
Practical Examination	0 %
Semester work	5 %
Other types of assessment	0%
Total	100 %

8- List of References

a- Course Notes

- 1- Course notes prepared by instructor
- 2- Essential books
- 3- Recommended books

Course Instructor:

- Course Coordinator :

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



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Engineering

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Matrix of Knowledge and Skills of the course

No.	Topics	week	Basic Knowledge	Intellectual Skills	Professional Skills	General Skills
1	Some Definitions & project as part of a strategic plan	1	a2	b1, b2, b3, b4	C1	d1, d2, d3, d4, d5, d6, d7
2	Relations between the programs, projects, budgets and regulatory plans & regulatory processes	2	a2	b1, b2, b3, b4	C1	d1, d2, d3, d4, d5, d6, d7
3	Relations between the programs, projects, budgets and regulatory plans & regulatory processes	3	a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
4	Relations between the programs, projects, budgets and regulatory plans & regulatory processes	4	a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
5	project planning & quantitative methods to manage the project	5	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
6	project planning & quantitative methods to manage the project	6	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
7	project requirements - Materials - manpower - Facilities - Finance	7	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
8	Mid-term exam	8	a1,a2	b1,b3,b4		d1
9	project requirements - Materials - manpower - Facilities - Finance	9	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
10	Project Schedule - Project organization	10	a1,a2	b1, b2,	c1	d1, d2,

				b3, b4		d3, d4, d5, d6, d7
11	Project Schedule - Project organization	11	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
12	the implementation of the project	12	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
13	the implementation of the project	13	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d4, d5, d6, d7
14	control of the project - performance evaluation	14	a1,a2	b1, b2, b3, b4	c1	d1, d2, d3, d5, d6, d11, d12
15	Final exam	15	a1,a2			d1

Course Instructor:

- Course Coordinator : Dr

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

Matrix of course content and ILO's

Course Title: Project management **Code:** GEN381
Lecture: 2 **Tutorial:** 0 **Practical:** - **Total:** 2
Program on which the course is given: B.Sc. ElectricalEngineering (Communications)
Major or minor element of program: Major
Department offering the program: ElectricalEngineering Department
Department offering the course: Electrical Engineering Department
Academic year / level: **Fourth** Year / **First** Semester 2014-2015
Date of specifications approval: 20/6/2010

Course content	a1	A2	b1	b2	b3	b4	c1	d1	d2	d3	d4	d5	d6	d7
Some Definitions & project as part of a strategic plan	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relations between the programs, projects, budgets and regulatory plans& regulatory processes	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
project planning & quantitative methods to manage the project	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
project requirements - Materials - manpower - Facilities - Finance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Project Schedule - Project organization	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
the implementation of the project	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Department offering the program: ElectricalEngineering Department
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Course aims	a1	a2	b1	b2	b3	b4	c1	d1	d2	d3	d4	d5	d6	d7
Studying and/or practice on: Some Definitions - project as part of a strategic plan - Relations between the programs, projects, budgets and regulatory plans - regulatory processes - project planning - quantitative methods to manage the project - project requirements - Materials - manpower - Facilities - Finance - Project Schedule - Project organization - the implementation of the project - control of	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

the project - performance evaluation																			
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Course Instructor:

- Course Coordinator :

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