



Model No.12

Course Specifications: Project Planning and Control

University: Benha University

Faculty: Faculty of Engineering at Shoubra

Department offering the program: Mechanical Engineering Department

Department offering the course: Mechanical Engineering Department

1- Course Data

Course Code: MDP361

Course Title: Project Planning and Control

Specialization: Mechanical Production Engineering

Course Type: Elective

Study Year: Third Year

Teaching Hours: Lecture: 4

Tutorial: 2

Practical: 0

Total: 6

2- Course Aim

For students undertaking this course, the aims are to:

1. Provide the students with Project activities, Small business, operations scheduling and applications these items with computer.

3- Intended Learning Outcomes of Course (ILO's)

Knowledge and Understanding Skills: On completing this course, students will be able to demonstrate the knowledge and understanding of :

- a- 1- Components of projects analysis (A.1).
- a- 2 -The concepts of Resources and costs. (A.2).
- a- 3- The difference between Small business planning & Small business control. (A5)
- a- 4- Management and business techniques and Times estimate (A.20).

a. Intellectual Skills: At the end of this course, the students will be able to:

- b- 1- Construct Times estimate. (B.1).
- b- 2 - Predict Resources analysis. (B.2).
- b- 3 - Assess and evaluate the characteristics and performance of Activities network preparation. (B.5).
- b- 4 - Analyze and interpret data from Time chart. (B.14).

b. Practical and Professional Skills: On completing this course, the students are expected to be able to:

- c- 1 - Apply knowledge to make Resources analysis (C.1).
- c- 2 - Professionally merge the Practical cases. (C.2).
- c- 3 - Demonstrate basic organizational and project management skills (C.9).

c. General and Transferable Skills: At the end of this course, the students will be able to:

- d- 1- Work in stressful environment and within constraints. (D.2).
- d- 2 - Communicate effectively. (D.3).
- d- 3 - Demonstrate efficient IT capabilities. (D.4).
- d- 4 - Lead and motivate individuals. (D.5).
- d- 5 - Effectively manage tasks, time, and resources. (D.6).



COURSE SPECIFICATIONS (2014-2015)

4- Course Contents

Week no.	Topics
1	Introduction
2	Engineering projects anal.
3	Small business planning
4	Small business control
5	Components projects anal.
6	Times estimate
7	Resources and costs
8	Activities network preparation
9	Time chart
10	Resources analysis
11	Project costs
12	Computer applications
13	Practical cases

5- Teaching and Learning Methods

- 5.1- Lectures
- 5.2- Practical training / laboratory
- 5.3- Class activity
- 5.4- Case study
- 5.5- Assignments / homework

6- Teaching and Learning Methods of Disables

- Nothing.

7- Student Assessment

a- Student Assessment Methods

1. Five Assignments to assess knowledge and intellectual skills.
2. Two Quizzes to assess knowledge, intellectual and professional skills.
3. Midterm exam to assess knowledge, intellectual, professional and general skills.
4. Final exam to assess knowledge, intellectual, professional and general skills.

b- Assessment Schedule

NO.	Assessment	Week
1	Assignments	3,6,9,10,11
2	Quizzes	5,9
3	Midterm exam	8
4	Oral exam	-
5	Final exam	15

c- Weighting of Assessments

Assessment	Weight (%)
Midterm Examination	20
Final Term Examination	67
Oral Examination	0
Practical Examination	0
Semester Work	8



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COURSE SPECIFICATIONS (2014-2015)

Assessments and Quizzes	5
Total	100

8- List of References

a- Course Notes: 1- Course notes prepared by instructor

1. Dr. B. Kumar, "Industrial engineering and management", Khanna, Delhi, India, 2004
2. O' Bvien, J.A. Marakas, G.m. Developing business. New York, 2011
3. A.P. Verma, " Industrial engineering", S.K. Kataria and sons, Delhi, India, 2005

Course Coordinator: Dr. Mamdouh Mohamed Elsayed Suliman

Head of Department: Prof. Dr. Osama Ezzat Abdelatif



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FACULTY OF ENGINEERING AT SHOUBRA

COURSE SPECIFICATIONS (2014-2015)

Model No.11A

Course Specifications: Project Planning and Control

University: Benha University

Faculty: Faculty of Engineering at Shoubra

Department offering the program: Mechanical Engineering Department

Department offering the course: Mechanical Engineering Department

Matrix of Knowledge and Skills of the Course

no.	Topics	Week no.	Knowledge and Understanding Skills	Intellectual Skills	Practical and Professional Skills	General and Transferable Skills
1	Introduction	1	a1 , ,a3	b3		
2	Engineering projects anal.	2	a1	b2,b4	c1	
3	Small business planning	3		b1	c2	d4
4	Small business control	4	a1	b2	c1	
5	Components projects anal.	5	a2		c1, c3	
6	Times estimate	6	a2		c1, c3	
7	Resources and costs	7	a4	b2		d4
8	Activities network preparation	9	a4	b3	c3	
9	Time chart	10		b2	c2	d1
10	Resources analysis	11	a3	b4	c1, c3	d4
11	Project costs	12			c1	d4, d5
12	Computer applications	13		b2	c2	d2, d3
13	Practical cases	14	a2	b3		d3, d5, d5

Course Coordinator: Dr. Mamdouh Mohamed Elsayed Suleiman

Head of Department: Prof. Dr. Osama Ezzat Abdelatif



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FACULTY OF ENGINEERING AT SHOUBRA

COURSE SPECIFICATIONS (2014-2015)

Matrix of Course Aims and ILO's

Course Title: Project Planning and Control

Course Code: MDP361

Teaching Hours: Lecture: 4 Tutorial: 2 Total: 6

Major or minor element of program: Major

Program on which the course is given: B.Sc. Mechanical Production Engineering

Department offering the program: Mechanical Engineering Department

Department offering the course: Mechanical Engineering Department

Academic year / level: 2014-2015 Third Year / First Semester

Date of specifications approval: 2014

Course aims	Basic Knowledge	Intellectual skills	Professional skills	General skills
Provide the students with Project activities, business, Operations scheduling and applications these items with computer.Small	a1, a2, a3 a4	b1, b2, b3,b4	c1, c2, c3	d1, d2, d3,d4,d5

Course Coordinator: Dr. Mamdouh Mohamed Elsayed Suleiman

Head of Department: Prof. Dr. Osama Ezzat Abdelatif