Benha University
Shoubra Faculty of Engineering
Industrial Engineering Department

Course Specification

Feasibility Study

Course Specifications

Program(s) in which the course is given: Industrial Engineering
Major or minor element of programs: N/A
Department offering the program: Industrial Engineering
Department offering the course: Industrial Engineering
Academic year / Level: 2008/2009 / Level 3

Date of specification approval:

A- Basic Information

Title: Feasibility Study Code: IND 302
Credit Hours:
Lecture: 2
Exercises: 2
Total: 3

B- Professional Information

1- Overall aims of the course

The student learns about the total views of feasibility study.

2- Intended learning outcomes of the course (ILOs)

a. Knowledge and understanding

How to analysis and evaluate project.

b. Intellectual skills

☒ Analysis ☒ Creative thinking ☒ Problem solving

c. Professional and practical skills

☐ Managing
☒ Computer program
☒ Ability to identify the problem
☒ Ability to estimate cost
☒ Engineering design
☒ Ability to diagnose
☐ Other

d. General and transferable skills

☐ Computing
☐ Management
☒ Use of technological tools
☐ Communication
☒ Working in group

3- Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Market study	3	2	2
Technical	3	2	2
Enviromental study	3	2	2
Economical	3	2	2
Financial	3	2	2
Report structure	3	2	2
Case Study 1	3	2	2
Case Study 2	3	2	2
Total	24	14	14

4- Teaching and learning methods

- ☒ Information collection
- ☒ Research assignment
- ☒ Lecture
- ☒ Class activities
- ☒ Discussions
- ☒ Field visit
- ☒ Practical training / lab
- ☒ Case study

5- Student assessment methods

Class attendance and participation
Homework assignments
First midterm exam
Final exam

Assessment schedule

Homework assignments	weeks 3, 5, 7, 9, 11
First midterm exam	week 8
Final exam	

Weighting of assessments

Final	40 %
7^{th} week Exam	30 %
12^{th} week Exam	20 %
Class attendance and participation	5 %
Homework assignments	5 %

6- List of references

6.1 Course notes

6.2 Essential books

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6.3 Recommended books

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7- Facilities required for teaching and learning

Computer Lab - Data Show - Overhead Projector

Course Coordinator: Dr. Hesham Moursy
Program Coordinator: Prof. Dr. Attia Gomaa
General Supervisor & Vice Dean: Prof. Dr. Abdallh Saad
Date: 01 / 06 / 2010