



**Mansoura University  
Faculty of Engineering**

**Production and Mechanical Design Engineering Department**

**Postgraduate Program Report  
M.Sc.: Industrial Engineering**



**Production and Mechanical Design Engineering Department**  
**Postgraduate Program Report**  
**M.Sc.: Industrial Engineering**

**A. BASIC INFORMATION**

Program Title	Master: Industrial Engineering
Field of the program	Industrial Engineering
System applied for the program	Courses (One Year) + Thesis
Department offering the program	Production and Mechanical Design Engineering
Date of curriculum approval	1984

Academic Year / Level	2013/2014
Number of Courses	9 + Technical English Language
Number of Weeks	40
Lecture Hours/Week	20 hrs (2hrs/Course)
Total Hours	80×9
Credit Hours	50×9

**B. SPECIALIZED INFORMATION**

**B.1. Statistics**

Element	Number	Percent
Number of student <i>Enrolled</i> in the program	6	
Number of student <i>Completing</i> the program	4	66
Number of students <i>Passed</i> the program	0	0
Number of <i>Excellent</i> graded students	0	0
Number of <i>Very Good</i> graded students	0	0
Number of <i>Good</i> graded students	0	0
Number of <i>Pass</i> graded students	0	0

*Courses' Details*

No.	Course	Code	Excel.	V.G.	Good	Pass	Fail
1	Production Factories Planning	PRE4722	0	0	0	0	5
2	Production Quality Control	PRE4726	0	0	0	3	1
3	Mathematical Modeling of Production Problems (1)	PRE4728	0	0	0	0	4
4	Mathematical Modeling of Production Problems (2)	PRE4729	0	0	0	0	4
5	Industrial Relations	PRE4731	0	0	0	0	4
6	Production Project Management	PRE4733	0	0	1	1	2
7	Economic Feasibility Study	PRE4734	0	0	0	3	1
8	Computer Applications	PRE4735	0	0	0	4	0
9	Research Seminar	PRE4736	0	1	0	1	2
10	Technical English Language	—	0	1	0	0	3

Date of Program Report Approval: 7/1/2015

Coordinator: **Prof. Dr. Hassan Ali Soltan**

Department Head: **Prof. Dr. Hassan Ali Soltan**



**B.2. Academic Standards**

National Academic Reference Standards (NARS) for Engineering

**B.3. Standard Measurement Reference for the Program**

Questionnaire

**B.4. Program Guide**

Available

**B.5. Periodic Review of the Program**

Not available

**B.6. Compatibility of the Academic Structure of the Program with Education Target**

Moderate

**B.7. Regulatory and Administrative Constraints**

Constraint	Intensity		
	High	Moderate	Low
Shortage of staff members		*	
Lack of communication with industry	*		
Lack of coordination between the faculty sectors	*		
Ineffective acceptance rules for the students	*		
Bad utilization of the available facilities	*		

**B.8. Students' Evaluation of the Program**

**Global Benefit Value (00%)**

**Methods of Evaluation**

Questionnaire and Interview

**Evaluation s' Details:**

- No practical application is established for the program
- No real communication with industries and other societies
- Time schedules aren't suitable
- Shortage of education facilities while Staffs' load is high
- Students' motivation is low
- No effective rules for students' selection to evaluate their abilities for joining the program

**B.9. Program Enhancement Suggestions**

Suggested Enhancement	Necessity		
	High	Moderate	Low
Developing training arrangements with industry	*		
Adding new education facilities	*		
Developing the programs to accommodate market needs	*		
Establishing serious rules for student acceptance	*		
Emphasizing the cooperation between departments	*		
Reconstructing the current program	*		

Date of Program Report Approval: 7/1/2015

Coordinator: **Prof. Dr. Hassan Ali Soltan**

Department Head: **Prof. Dr. Hassan Ali Soltan**



**B.10. Comments from External Evaluators**

Not available

**B.11. Students' Suggestions**

Suggestion	Implemented?	
	Yes	No
Developing training arrangements with business sectors and industry		*
Reconstructing the current program and adding new courses	*	
Developing the program to accommodate market needs and technology	*	
Actuate the internal training classes and workshops		*

**B.12. Cooperation with Industry**

Not available

**B.13. Quality Management and Development**

**Follow up** (Not enough)

**Effectiveness of Internal Auditing System** (Not enough)

**Observations of the External Auditing System** (Not available)

**B.14. Program Development Proposals**

Area	Description	Completion	Responsible
Program	Reconstruction of current program	Done	Department
External training	Making arrangements with industry	One year	Department
Labs/Workshops	Modernizing the labs and workshops	One year	Management
Library	Adding new books	Done	Department
Other Facilities	Adding additional education facilities	One year	Management
Methods	Modernizing the teaching methods	One year	Lecturers

**B.15. Instructors**

No.	Name	Position	Courses
1	Prof. Dr. Hassan Ali Soltan	Professor	Technical English Language Industrial Relations Mathematical Modeling of Production Problems (2) Research Seminar
2	Dr. Mohamed Samy Algayaar	Associate Professor Emeritus	Production Project Management
6	Dr. Mohamed Sobeih Hussein	Assistant Professor Emeritus	Mathematical Modeling of Production Problems (1) Production Factories Planning
7	Dr. Ahmed Abdalshafi	Associate Professor Emeritus	Production Quality Control Economic Feasibility Study
8	Dr. Ahmed Mohamed Galal	Assistant Professor	Computer Applications

Date of Program Report Approval: 7/1/2015

Coordinator: **Prof. Dr. Hassan Ali Soltan**

Department Head: **Prof. Dr. Hassan Ali Soltan**