

Industrial and Management Engineering Courses (IM)

Industrial and Management Engineering Courses Group

IM 111 – Industrial Relations

COURSE INFORMATION

Course Title: Industrial Relations

Code: IM 111

Hours: Lecture – 2 Hrs. Tutorial – 2 Hrs. Credit –2.

Prerequisite: None

GRADING

Class Performance/Attendance: 10%

Midterm # 1/Assignments – (7th Week): 30%

Midterm # 2/Assignments – (12th Week): 20%

Final Exam: 40%

COURSE DESCRIPTION

This course identifies the different types of industries, production techniques, management and organization structure, the different types of hazards and dangers and how to prevent them. Also it clarifies the meaning of production planning and control and cost calculations.

TEXT BOOK & REFERENCES

Introduction to industrial engineering by W.C.Tuner, J.H. Mize, Ke. Case, Publisher: Prentice Hall.

History of science and technology by Khalil M. Elawady Publisher: Academy for Science & Technology and Maritime Transport

COURSE AIM

To introduce students to the basis knowledge and concepts related to industrialization and work organizations, industrial health and safety, and the history of engineering and technology.

APPENDIX A-53

SPECIFIC OUTCOMES OF INSTRUCTION

- The students will be able to identify the different types of industries, production techniques, and management and organization structure.
- The students will be able to understand the meaning of production planning and control and cost calculations.
- The students will be able to Understand and identify the different types of hazards and dangers and to prevent them.

COURSE OUTLINE

- Week Number 1:* Introduction to the course.
- Week Number 2-3:* Types of industries and production techniques.
- Week Number 4-5:* Management and Organization structure-production planning and control.
- Week Number 6-7:* Industrial economy.
- Week Number 8:* Quality control and labor relations.
- Week Number 9:* Potential causes of hazards K rule and regulations.
- Week Number 10:* Hazards associated with hand tools portable tools α m/cs personal safety.
- Week Number 11:* Lifting loads electric shocks-fire presentation -explosive.
- Week Number 12:* Communication essential information about casualty and engineering services.
- Week Number 13:* Science, engineering and technology.
- Week Number 14:* Early empires and materials and Eng of war cities.
- Week Number 15:* Industrial revolution.
- Week Number 16:* Final Exam.

COURSE COORDINATOR AND DEMAND

Course Coordinator: .

Course Demand: *Required*