

Industrial and Management Engineering Courses (IM)

IM 111- Industrial Relations

Hour: Lecture: 1 Hrs.

Lab: 2 Hrs.

Credit: 2.

Coordinator: Mona Fouad

Text Book:

- Lecturer note

Specific course information

- a. 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.
- b. Prerequisite: None
- c. Designation: Required

Specific goals for the course:

- An ability to function on multi-disciplinary teams..
- An understanding of professional and ethical responsibility.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- A recognition of the need for, and an ability to engage in life-long learning.

Course instruction outcomes:

- 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.

Student outcomes:

D, F, H, I

Topics Covered:

- Introduction to Course.
- Types of Industries and Production Techniques.
- Management and Organization Structure.

- Production Planning and Control.
- Industrial Cost Estimation Techniques.
- Industrial Economy and Breakeven Analysis.
- Accidents at Work – Rules and Regulations.
- Hazards Classification, Prevention, and Personal Safety.
- Fire Hazards Identification and Prevention.
- Chemical Hazards and Prevention – Accident Reporting.
- Quality Control and Labor Relations.
- Science, Engineering, and Technology.
- Industrial Revolutions.
- Final Exam.

Course / credit hours	Math & Basic Sciences	Engineering Topics	General Education
Industrial Relations /3	0.5	1.5	