H-Form ISE 210

Course Information:	
Code and Title:	ISE 210 Project Management
Prerequisites:	MATH 265-2
Co requisite (if any)	-
Credit Hours: 3	Lecture Hrs. (45), Tutorial Hrs. (10), Lab (5), **Total Credits** (60)
College/ Department:	College of Engineering / Industrial and systems Engineering Department

Course Description:
The course teaches the terminology of graphs and networks, network flow problems, algorithms and solutions. Project management, defining the project, scheduling issues in projects, project duration optimization, resources planning, evaluation and progress, estimating times and costs, critical processes in the projects, applications of project-planning and software in the strategy of projects, integration of organization with projects and probability issues in project planning are addressed.

Course Objectives:
After completing the course, the student will:
Understand the main concepts of project management. In addition, understand the project plan contents and project communications. moreover, learn concepts related to organizational workflow. Finally, master several basic project scheduling techniques including WBS, CPM, PERT, GANTT charts, and resource constrained scheduling.

Course Learning Outcomes		PLO
Knowledge Understanding		
1.1	Outline the basic concepts of project management.	K1
1.2	Recognize the impact of project planning on organizational workflow	K3
Skills		
2.1	Manage the project phases to elaborate the project schedule	S1
2.2	Design simple project management using Microsoft Project	S2
2.3	Evaluate project resources and budget	S3
Values		
3.1	function effectively on a team in project planning and management	V1

Textbook:			
Title:	Project Management: Achieving Competitive Advantage		
Author(s):	Jeffery K. Pinto		
Publisher:	Pearson	**Year and Edition:**	4th Edition, , 2015
Other Useful Resources:	A guide to the Project Management body of knowledge (PMBOK Guide), Project Management Institute, 7th Edition, 2017.		