



Future Academy
Higher Future Institute for Specialized Technological Studies

Course Specification

1- Course information:

Course Code:	INM354
Course Title:	Project Management
Year/level	3 rd
Academic Programs	Computer Science Program (B.Sc.)
Contact hours/ week	Theoretical = 3hrs

2- Course aims:

This course aims to provide students with:

- Understanding Project Management Principles: The course aims to provide students with a comprehensive understanding of the fundamental principles and concepts of project management. This includes familiarizing students with the project life cycle, project initiation, planning, execution, monitoring, and closure.
- Developing Project Planning Skills: Another key aim of a project management course is to develop student's skills in project planning. This involves teaching them how to define project goals and objectives, create work breakdown structures, establish project schedules, allocate resources, and develop project budgets.
- Enhancing Leadership and Team Management Abilities: Effective project management requires strong leadership and team management skills. The course aims to develop student's abilities to lead and motivate project teams, manage conflicts, communicate effectively, and delegate responsibilities.
- Teaching Project Risk Management: Managing risks is an essential aspect of project management. The course aims to educate students on how to identify, assess, prioritize, and mitigate risks throughout the project life cycle. It also covers strategies for contingency planning and risk response.
- Cultivating Project Communication and Stakeholder Management Skills: Communication plays a vital role in project success. The course aims to enhance students' skills in communicating project information, managing stakeholders' expectations, and building positive relationships with project stakeholders.

- **Introducing Project Monitoring and Control Techniques:** Effective project monitoring and control are crucial for ensuring projects stay on track. The course aims to familiarize students with various techniques and tools for monitoring project progress, tracking performance, identifying deviations, and implementing corrective measures.

3- Intended learning outcomes of the course (ILOs):

a- Knowledge and understanding:

On successful completion of this course, the student should be able to:

- a1- Demonstrate a comprehensive understanding of the key principles and concepts of project management.
- a2- Understand the fundamental techniques and tools used in project planning.
- a3- Comprehend the principles and practices of effective project execution and control.
- a4- Recognize the ethical and professional responsibilities of a project manager.
- a5- Understand the importance of project documentation and knowledge management.

b- Intellectual skills:

On completing this course, the student should be able to:

- b1- Demonstrate a comprehensive understanding of the key principles and concepts of project management.
- b2- Understand the fundamental techniques and tools used in project planning
- b3- Comprehend the principles and practices of effective project execution and control
- b4- Gain knowledge of different project management methodologies and approaches
- b5- Understand the importance of project documentation and knowledge management

c- Professional and practical skills:

At the end of this course, the student will be able to learn:

- c1- Project Planning and Documentation:
- c2- Project Execution and Control
- c3- Stakeholder Management
- c4- Team Leadership and Management
- c5- Communication and Presentation

d- General and transferable skills:

On successful completion of this course, the student should be able to have:

- d1- Leadership Skills
- d2- Time Management
- d3- Communication Skills
- d4- Teamwork and Collaboration
- d5- Problem-Solving and Critical Thinking

4- Course contents

Topics/units	Number of hours		ILO's
	Lecture hours	Practical hours	
Introduction to Project Management	3	0	a1,a2,b1,c4,c5
The Project Management and Information Technology Context	3	0	a3,a4,b2:b4,c3
The Project Management and Information Technology Context	3	0	a3,a4,b2:b4,c3
The Project Management Process Groups: A Case Study	3	0	a1:a3,b3:b5,c1:c5,d1:d5
The Project Management Process Groups: A Case Study	3	0	a1:a3,b3:b5,c1:c5,d1:d5
Project Integration Management	3	0	a3,a4,b3:b5,c2,c4,c5
Mid-semester exam	3	0	
Project Integration Management	3	0	a3,a4,b3:b5,c2,c4,c5
Quiz2 + Project	3	0	a1:a3,b3:b5,c1:c5,d1:d5
Project Scope Management	3	0	a2:a5,b1,b3,b5,c2,c3,c5
Project Scope Management	3	0	a2:a5,b1,b3,b5,c2,c3,c5
Final Revision	3	0	

5- Teaching and learning methods

Methods	ILO's																			
	a1	a2	a3	a4	a5	b1	b2	b3	b4	b5	c1	c2	c3	c4	c5	d1	d2	d3	d4	d5
Lectures	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Practical sections	√			√		√				√		√	√			√	√	√	√	√
Self-learning				√					√					√			√			
Assays and reviews		√		√			√	√				√	√			√				
Discussion groups					√								√	√		√	√	√	√	√
Brainstorming																				
Blended-learning																				
E-learning																				

6- Teaching and learning methods for Low-achieving students

- Extra teaching hours for those who need help
- More quizzes to assess their ability to understand the course
- Encourage teamwork for those students with other advanced ones to increase their participation and understanding

7- Student assessment

Assessment method	Time	Grade weight (%)	ILOs
Written exam		60	a2:a4,b1:b3,c1:c5
Practical exam		15	a1,a4,b1,b5,c2,c3,d1:d5
Oral exam		10	a3,a4,b2,b3,c2,c3,c5,d1:d5
Mid-term exam		10	a1:a4,b1:b3,c1:c4
Others/ self learning		5	a5,b4,b5,c3,c4,d1,d2,d3

8-List of references

8.1. Student notebooks:

- Comprehensive instructor notes ("PowerPoint slides") are available on the course web page ("Google Classroom")

8.2. Essential textbooks:

- Information technology project management Kathy Schwalbe, Ph.D., PMP Professor
Emeritus, Augsburg College Eighth Edition

8.3. Recommended textbooks:

1. Princ2 in Project Management

8.4. Journals, Periodical and Reportsetc.

2. IEEE Xplore Digital Library.
3. ACM Digital Library
4. ScienceDirect
5. SpringerLink

8.5. Websites

1. <https://www.coursera.org/professional-certificates/google-project-management>
2. <https://www.udemy.com>
3. <https://www.simplilearn.com>

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