



# Course Specification

## (Bachelor)

Course Title: **Principles of Project Management**

Course Code: **IS1241**

Program: **Bachelor in Information Systems**

Department: **Information systems**

College: **College of Computer and Information Sciences**

Institution: **Imam Mohammad Ibn Saud Islamic University**

Version: **2**

Last Revision Date: **July 20<sup>th</sup>, 2025**

Approved: 24/08/2025

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3 credit hours (lectures:3)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: second Year

#### 4. Course general Description:

This course discusses the processes, methods, techniques and tools that organizations use to manage their information systems projects. The course covers a systematic methodology for initiating, planning, executing, controlling, and closing projects. This course assumes that project management in the modern organization is a complex team based activity, where various types of technologies (including project management software as well as software to support group collaboration) are an inherent part of the project management process. This course also acknowledges that project management involves both the use of resources from within the firm, as well as contracted from outside the organization.

#### 5. Pre-requirements for this course (if any):

IS 1235 System Analysis and Design

#### 6. Co-requisites for this course (if any):

No Co-requisites

#### 7. Course Main Objective(s):

The aim of this course is to introduce students the knowledge of the processes, methods, techniques and tool that organizations use to manage their information systems project along with different project management related methods, techniques and tools

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 3 hours/week  | 100%       |
| 2  | E-learning            |               |            |
| 3  | Hybrid                |               |            |





| No | Mode of Instruction                                                                         | Contact Hours | Percentage |
|----|---------------------------------------------------------------------------------------------|---------------|------------|
|    | <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                           |               |            |

### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 45            |
| 2.    | Laboratory/Studio |               |
| 3.    | Field             |               |
| 4.    | Tutorial          |               |
| 5.    | Others (specify)  |               |
| Total |                   | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                      | Code of CLOs aligned with program | Teaching Strategies | Assessment Methods    |
|------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------|-----------------------|
| 1.0  | Knowledge and understanding                                                                                                   |                                   |                     |                       |
| 1.1  | Outline the concept of project management and the key elements of the project management framework                            | K1(I)                             | Class Lectures      | Quiz1, Midterm, Final |
| 1.2  | Describe project management process groups and their role in ensuring secure and responsible information systems development. | K2(I)                             | Class Lectures      | Midterm, Final        |
| 1.3  | Outline the components of a project management plan and identify approaches for developing and managing such plans.           | K3(I)                             | Class Lectures      | Quiz 2, Final         |
| 2.0  | Skills                                                                                                                        |                                   |                     |                       |





| Code | Course Learning Outcomes                                                                                                      | Code of CLOs aligned with program | Teaching Strategies                          | Assessment Methods |
|------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------|--------------------|
| 2.1  | Interpret key knowledge areas and methodologies in project management based on stakeholder needs and project goals.           | S1(I)                             | <i>Class Lectures with practical session</i> | Assignment         |
| 2.2  | Develop project management processes, including planning, execution, and control, to address real-world IS-related challenges | S2(I)                             | <i>Class Lectures with practical session</i> | Project            |
| 2.3  | Apply appropriate tools and techniques for effective project planning, scheduling, and risk management.                       | S4(I)                             | <i>Class Lectures with practical session</i> | Project            |
| 3.0  | <b>Values, autonomy, and responsibility</b>                                                                                   |                                   |                                              |                    |
| 3.1  | Work collaboratively in teams to plan and manage projects, demonstrating leadership and accountability.                       | V1(I)                             | <i>Group Project</i>                         | Project            |
| 3.2  | Demonstrate ethical behavior and awareness of professional responsibilities in project-related decision-making.               | V2(I)                             | <i>Class Participation, Group Project</i>    | Assignment         |
| 3.3  | Communicate effectively with stakeholders using appropriate formats and tools throughout the project lifecycle.               | V3(I)                             | <i>Group Project</i>                         | Project            |

### C. Course Content

| No | List of Topics | Contact Hours |
|----|----------------|---------------|
|----|----------------|---------------|





|              |                                                      |           |
|--------------|------------------------------------------------------|-----------|
| 1.           | Introduction to Project Management (Ch1)             | 3         |
| 2.           | Project Management Profession (Ch2)                  | 3         |
| 3            | Context and Processes (Ch3)                          | 6         |
| 4            | Project Integration Management (Ch4)                 | 3         |
| 5            | Strategic Planning and Project Selecting (Ch2 & Ch4) | 6         |
| 6            | Project Scope Management (Ch5)                       | 3         |
| 7            | Project Time Management (Ch6)                        | 6         |
| 8            | Project Cost Management (Ch7)                        | 6         |
| 9            | Project Quality Management (Ch8)                     | 3         |
| 10           | Project Risk Management (Ch11)                       | 3         |
| 11           | Project Discussions                                  | 3         |
| <b>Total</b> |                                                      | <b>45</b> |

#### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing<br>(in week no) | Percentage of Total<br>Assessment Score |
|----|-------------------------|-----------------------------------|-----------------------------------------|
| 1. | Quiz                    | 4,11                              | 10%                                     |
| 2. | Midterm Exam            | 8                                 | 20%                                     |
| 3. | Assignment              | 7                                 | 10%                                     |
| 4  | Group Project           | 15                                | 20%                                     |
| 5  | Final Exam              | 16                                | 40%                                     |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

#### E. Learning Resources and Facilities

##### 1. References and Learning Resources

|                              |                                                                                                                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>  | <i>Information Technology Project Management Paperback – 9th edition, 2019</i><br>by <a href="#">Kathy Schwalbe</a> (Author)<br>Publisher: Course Technology<br>ISBN: 1337101354<br>ISBN-13: 9781337101356  |
| <b>Supportive References</b> | <i>Microsoft Project 2019 Step by Step 1st Edition</i><br>by <i>Cindy Lewis</i> (Author), <i>Carl Chatfield</i> (Author), <i>Timothy Johnson</i> (Author)<br>ISBN-13: 978-1509307425<br>ISBN-10: 1509307427 |
| <b>Electronic Materials</b>  | N/A                                                                                                                                                                                                         |





Other Learning Materials N/A

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                                        |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | 1. At least 30 seats<br>2. A projector connected to a PC preferably with Internet connection<br>3. Sliding board |
| <b>Technology equipment</b><br>(projector, smart board, software)                         |                                                                                                                  |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | N/A                                                                                                              |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor             | Assessment Methods                                         |
|---------------------------------------------|----------------------|------------------------------------------------------------|
| Effectiveness of teaching                   | Students             | Indirect using course evaluation survey                    |
| Effectiveness of Students assessment        | Faculty members      | Direct method using TOS file                               |
| Quality of learning resources               | Students and Faculty | Indirect using course evaluation survey and faculty survey |
| The extent to which CLOs have been achieved | Faculty members      | Direct method using TOS file                               |
| Other                                       |                      |                                                            |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| COUNCIL /COMMITTEE | IS CURRICULUM APPROVAL & DEVELOPMENT COMMITTEE IS QAC / / IS COUNCIL |
| REFERENCE NO.      |                                                                      |
| DATE               |                                                                      |

