|  |  |
| --- | --- |
| **Course Title:**  | **Project Management** |
| **Course Code:** | **470CCN-2**  |
| **Program:** | **Bachelor of Science in Computer Networks** |
| **Department:**  | **Networks and Communications Engineering** |
| **College:** | **Computer Science and Information Systems** |
| **Institution:** | **Najran University**  |

Table of Contents

[A. Course Identification 3](#_Toc951372)

[6. Mode of Instruction (mark all that apply) 3](#_Toc951373)

[B. Course Objectives and Learning Outcomes 3](#_Toc951374)

[1. Course Description 3](#_Toc951375)

[2. Course Main Objective 3](#_Toc951376)

[3. Course Learning Outcomes 3](#_Toc951377)

[C. Course Content 4](#_Toc951378)

[D. Teaching and Assessment 4](#_Toc951379)

[1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods 4](#_Toc951380)

[2. Assessment Tasks for Students 4](#_Toc951381)

[E. Student Academic Counseling and Support 5](#_Toc951382)

[F. Learning Resources and Facilities 5](#_Toc951383)

[1.Learning Resources 5](#_Toc951384)

[2. Facilities Required 5](#_Toc951385)

[G. Course Quality Evaluation 5](#_Toc951386)

[H. Specification Approval Data 6](#_Toc951387)

# A. Course Identification

|  |  |
| --- | --- |
| **1. Credit hours:**  | 3 (3,0,0) [**Theory, Lab, Tutorial**] |
| **2. Course type** |
| **a.** | University |  | College | **√** | Department |  | Others |  |  |
| **b.** | Required | **√** | Elective |  |  |
| **3. Level/year at which this course is offered:**  | Level (8) |
| **4. Pre-requisites for this course** (if any)**:**N/A   |
| **5. Co-requisites for this course** (if any)**:** |
| N/A   |

## 6. Mode of Instruction (mark all that apply)

| **No** | **Mode of Instruction** | **Contact Hours** | **Percentage**  |
| --- | --- | --- | --- |
| **1** | **Traditional classroom** | 2 | %100 |
| **2** | **Blended**  |  |  |
| **3** | **E-learning** |  |  |
| **4** | **Distance learning**  |  |  |
| **5** | **Other**  |  |  |

**7. Contact Hours** (based on academic semester)

|  |  |  |
| --- | --- | --- |
| **No** | **Activity** | **Contact Hours** |
| **1** | **Lecture**  | 30  |
| **2** | **Laboratory/Studio**  |   |
| **3** | **Tutorial**  | 15  |
| **4** | **Others** (specify)  |   |
|  | **Total**  | 45  |

# B. Course Objectives and Learning Outcomes

|  |
| --- |
| 1. Course Description This course can be further improved by providing practical knowledge of  project management. It is also important to provide up to date reference material.  |
|  |
| 2. Course Main Objective |
| The course addresses essential topics to project management such as project group process (initiating, planning, executing, controlling, and closing) and knowledge areas (project integration, scope, time, cost, quality, human resource, communications, risk, procurement). Project management software is used to provide students with a hands-on experience to effectively use software to managing projects.  |

## 3. Course Learning Outcomes

| **CLOs** | **Aligned****PLOs** |
| --- | --- |
| 1 | **Knowledge and Understanding** |  |
| 1.1 | CLO1: Understand the project management phases and the PM knowledge areas.  | K2  |
| 1.2 |  |  |
| 1.3 |  |  |
|  |  |  |
| **2** | **Skills :** |  |
| 2.1 | CLO2: Apply the project management knowledge areas across all phases of a project.  | S3 |
| 2.2 |  |  |
| 2.3 |  |  |
|  |  |  |
| **3** | **Values:** |  |
| 3.1 | CLO3: Demonstrate competency in the management of a project plan  | C1, C2 |
| 3.2 | CLO4: Gain practical skills using software tools for developing project scope, schedule, cost, and other themes related to project management aspects.  | C3 |
| 3.3 |  |  |
| 3... |  |  |

# C. Course Content

|  |  |  |
| --- | --- | --- |
| **No** | **List of Topics** | **Contact Hours** |
| 1 | Course syllabus presentation + Introduction to project management  | 3 |
| 2 | Project Management Process  | 3 |
| 3 | Project Scope Management  | 31 |
| 4 | Project Time Management  | 3 |
| 5 | Project Cost Management   | 3 |
| 6 | Project Quality Management  | 3 |
| 7 | Project HR Management  | 3 |
| 8 | Project Communications Management  | 3 |
| 9 | Project Risk Management  | 3 |
| 10 | Project Procurement Management  | 3 |
| 11 |    |  |
| **Total** | 40 |

# D. Teaching and Assessment

## 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| **Code** | **Course Learning Outcomes** | **Teaching Strategies** | **Assessment Methods** |
| --- | --- | --- | --- |
| **1.0** | **Knowledge and Understanding** |
| 1.1 | CLO1: Understand the project management phases and the PM knowledge areas.  | Lectures, Small Group Work, Small Group Discussion   | Quiz 1,Midterm-1 Exam, Final Exam   |
|  |  | * Showing and delivering PPT presentation in the class.
* Class exercise to analyze  problems and propose solutions
* Writing the SRS for given scenario,
* Practical exercises.
* Assignments
* Mini-Project on various topics related to The project management.
* Classroom discussions and solving the problems in group
* Making students alert about class attendance, timing, cleanliness and manner inside the class.
* Assigning class responsibilities to the students
* Encourage to search the latest advancement or updated information during their free time.
* Discuss personally the course contents with the problematic students
* Guide and discuss with the student regarding the assignment
 | * Home works and class works
* Assignments
* Quiz
* Mid term examinations
* Final examination
* Asking Questions about previous topics discussed and getting replies .
* Class participation.
 |
| 1.2 |  |  |  |
| **2.0** | **Skills** |
| 2.1 | CLO2: Apply the project management knowledge areas across all phases of a project.  | * Asking students at the end on each lecture to bring some materials or application related to the lecture's subject.

 * Explaining the difficult topics by taking extra tutorial to students.

 * Helping students to describe effective strategies to new situations.

 * To develop creative thinking.

 To discuss new topics and make the session interactive  | * At the end of each lecture, students will be given an exercise that can help to develop certain cognitive skill.
* To arrange quizzes by including some materials that helps to develop certain cognitive skill.
* To arrange mini seminars to prepare them for the next major seminars.
 |
| 2.2 |  |    |  |
| **3.0** | **Values** |
| 3.1 | CLO3: Demonstrate competency in the management of a project plan, especially:  | Arrange the group discussion during the class by asking questions.  | * Through group presentation and discussion of the assignment.
* Evaluate student as a team member in the project.
 |
| 3.2 | CLO4: Gain practical skills using software tools for developing project scope, schedule,  cost, and other themes related to project management aspects.  | Students are guided to search the web to collect materials related to their practical tools  | * Showing and delivering PPT presentation in the class
 |
| … |  |  |  |

## 2. Assessment Tasks for Students

| **#** | **Assessment task\***  | **Week Due** | **Percentage of Total Assessment Score** |
| --- | --- | --- | --- |
| **1** | Quiz 1  | 2  | 5 %  |
| **2** | Home works/ Presentation  | 4  | 5 %  |
| **3** | Mid Term-1 Exam  | 6  | 20 %  |
| **4** | Mid Term-2 Exam  | 10  | 20 %  |
| **5** | Final Exam  | 15  | 50%  |
| **6** |  |  |  |
| **7** |  |  |  |
| **8** |  |  |  |

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

# E. Student Academic Counseling and Support

|  |
| --- |
| **Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :** |
| During the whole semester, 10 hours/week are reserved for students to guide them, to help them and to explain the topic which is not clear to them during the lecture.  |

# F. Learning Resources and Facilities

## 1.Learning Resources

|  |  |
| --- | --- |
| **Required Textbooks** | Managing Information Technology Projects, Kathy Schwalbe, Course Technology,6th edition, 2010.   |
| **Essential References Materials** |  |
| **Electronic Materials** | Available in Blackboard    |
| **Other Learning Materials** | Web sites: some topics are selected from several Web sites. The addresses of those sites will be indicated in the handouts.  |

## 2. Facilities Required

| **Item** | **Resources** |
| --- | --- |
| **Accommodation**(Classrooms, laboratories, demonstration rooms/labs, etc.) | Lecture Rooms with 20 seats with smart table, Mic, Speaker, PC, Auto Projector with Screen and a white board or a smart board (male Section). |
| **Technology Resources** (AV, data show, Smart Board, software, etc.) | 1. Desktop/ Laptop computer Multimedia Projector
2. Laboratory contains an enough number of PC to accommodate all students with Java-related software like JCreator , J2SE , NetBean, Eclipse and JRE licensed version with network package should be installed.
 |
| **Other Resources** (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | 1. A File cabinet to keep class stuffs, papers and students files, and a printer to print program screen shots.   |

# G. Course Quality Evaluation

| **Evaluation****Areas/Issues**  | **Evaluators**  | **Evaluation Methods** |
| --- | --- | --- |
| Feedback about Course Learning Outcomes (CLOs)  | Students, Faculty  | Direct (A course survey is distributed to students to take their opinion)  |
| feedback about the teaching strategies, assessment methods, textbooks, instructor  | Students, Faculty | Direct (A course survey is distributed to students to take their opinion)   |
|  |  |  |
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**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

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

**Assessment Methods** (Direct, Indirect)

# H. Specification Approval Data

|  |  |
| --- | --- |
| **Council / Committee** |  |
| **Reference No.** |  |
| **Date** | January 19, 2019    |