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| **College :** | **Of Engineering**  |
| **Programme** | **Civil and Environmental Eng.**  |
| **Course :** | **Engineering project management**  |

**Course Report**

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| --- | --- | --- | --- |
| Institution :  | Majmaah University | Date of CR | 1 / 11 / 1437 H. |
| College/ Department | Engineering / College of Engineering |

**A Course Identification and General Information**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. Course title:  | **Engineering Project Management** | Code | **GE 408** | Section | 28 |
| 2. Name of course instructor  | Dr Yahya Al-Jahmany | Location : | Majmaah |
| 3. Year and semester to which this report applies: | Year 1436/1437 – Semester 3 |
| 4. Number of students starting the course?  | 28 | Students completing the course? | 27 |  |
| 5. Course components:  |
|  | Lecture | Tutorial | Laboratory/Studio | Practical | Other | **Total** |
| **Contact****Hours** | 30 | 15 | 0 | ……….. | ……….. | **45** |
| **Credit** | 2 | 0 | 0 | ……….. | ……….. | **2** |

**B- Course Delivery :**

**1. Coverage of Planned Program**

|  |  |  |  |
| --- | --- | --- | --- |
| **Topics Covered** | **Planned** Contact Hours | **Actual** Contact Hours | **Reason for Variations (\*)** |
| Introduction to Project Management  | 2 | 2 | ………………………………….. |
| Project Planning | 3 | 3 | ………………………………….. |
| Project Scheduling | 4 | 4 | ………………………………….. |
| Network Scheduling Technique | 4 | 4 | ………………………………….. |
| Constructing Network Diagram | 1 | 1 | ………………………………….. |
| Activity-On-Node (AON): Using Critical Path method (CPM) | 3 | 3 | ………………………………….. |
| Using Program Evolution & Review Technique (PERT) | 3 | 2 | ………………………………….. |
| Scheduling Resources (Resource Leveling and Allocation)  | 2 | 2 | ………………………………….. |
| Time-Cost Trade Off (Crashing a Schedule) | 4 | 4 | ………………………………….. |
| Project Controlling | 3 | 3 | ………………………………….. |
| Risk Monitoring and Control | 2 | 2 | ………………………………….. |
| Project Management Computer Applications  | 0 | 0 | No computer lab ready  |

( \* ) if there is a difference of more than 25% of the hours planned

**2. Consequences of Non-Coverage of Topics**

|  |  |  |
| --- | --- | --- |
| Topics not Fully Covered(if any) | Effected Learning Outcomes | Possible Compensating Action |
| Project Management Computer Applications  | Lack of using software PM  | Make computer lab ready  |
| ………………………………. | ………………………………. | ………………………………. |
| ………………………………. | ………………………………. | ………………………………. |
| ………………………………. | ………………………………. | ………………………………. |

**3. Course learning outcome assessment.**

| **List course learning outcomes** | **List methods of assessment for each LO** | **Summary analysis of assessment results for each LO** |
| --- | --- | --- |
| **1.0** | **Knowledge** |
| **1.1** | Development of an engineeringproject plan. | Course delivery by citingreal life examples andproblems.Emphasis onunderstanding conceptsand illustratingapplications to problems.Placing before the classmind provoking andthinking questions | Regularly askingquestions ondifferent topicsand concepts.Midterm and End semesterTests that will force thestudent to thinkand apply theknowledge.Reports anddiscussions |
| **1.2** | Preparing and applying projectschedules using AON, AOA, PERT andBar chart methods. |
| **1.3** | Determine project schedule forpurpose of resource leveling andallocation and time-cost trade-off. |
| **1.4** | Time and cost monitoring andcontrolling for an engineering projectassessment and management ofproject risks |
| **2.0** | **Cognitive Skills** |
| **2.1** | Be able to do project plan andschedule. | -Solving problemsthrough assignments oneach topic.- Assignment problems,Exercise / tutorialproblems forapplications that willforce the students tothink and apply theknowledge gained.- Asking to students to suggest a solutionbefore giving them thecorrect answer.- Asking the students toexplain the stepsadopted in the problemand ensures that theyunderstand the problem.- Asking searchingquestions on topicfundamentals.- Setting M-1 and M-2 +quizzes and miniprojects so thatstudents can apply theknowledge gained. | Asking the studentto solve theproblems on whiteboard guiding himwhen required.Quizzes andExams.Asking students toparticipate in oraldiscussion duringthe class.Setting assignmentproblems or miniproject which willapply principles andconcepts.Questions in Quiz,Midterm and Endsemester testswhich will forcethe student tothink and applyconcepts andprinciples learnt. |
| **2.2** | Learn how to break down the projectworks into work packages. |
| **2.3** | Learn to make Time and Cost tradeoffin case if wants to make projecttime reduction. |
| **2.4** | How haw to make resourcesmanagement of a project |
| **2.5** | 2.5 During exercise sessions: determine, estimate, draw diagrams, design, conduct, evaluate and comment. |
| **3.0** | **Interpersonal Skills & Responsibility** |
| **3.1** | Help the student to solve theproblem by asking questions duringthe office hours. | - Solve the problems byasking sequentialquestions.- Paying personalattention to eachstudent and caringabout his situation. | Group work to doassignmentactivity.Bonus marks tothose who areimproving andparticipatingeffectively in theclass. |
| **3.2** | Different access to the student tobe close with the teacher using,email, website and even phone calls inurgent. |
| **4.0** | **Communication, Information Technology, Numerical** |
| **4.1** | Developing the computer skills inpreparing presentation. | - Asking students to solveproblems in the class byguiding him. | Discussion,Questioning duringtopics. |
| **4.2** | Developing the communication skillsthrough interactive discussing duringthe seminar | Highlighting theconcepts andprinciples throughreal life problemsAsking thestudents to solvethe numerical partand check that theanswers aretallying with notes.Asking thestudents toparticipate inevaluating their |
| **4.3** | Students have to be familiar withusing the modern informationtechnology such as interment, andsmart board. | .................. |
| **5.0** | **Psychomotor** |
| **5.1** | Questioning the students on solvingthe problem in a reverse manner. | -Make the classattractive and full ofactivations by raisingquestions anddiscussions thatrequires straightthinking and alsoreverse thinking. | Questioning |

**Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.**

|  |
| --- |
| **Motivate the students to a. improve English, b. read a text book c. write notes on their own**  |

**4. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification**

|  |  |  |
| --- | --- | --- |
| List Teaching Methods set out in Course Specification | Were TheyEffective? | Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties. |
| No | Yes |
|  Explaining through notes/ppts |  | Yes | ……………..…………………………. |
| Problem solving in class by student with assistance and questioning each step |  | Yes | ……………..…………………………. |
| Group discussion / problem solving |  | Yes | ……………..…………………………. |
| Asking students to explain in Arabic |  | Yes | ……………..…………………………. |

**C. Results**

**1. Distribution of Grades**

|  |  |  |  |
| --- | --- | --- | --- |
| LetterGrade | Number ofStudents | StudentPercentage | Analysis of Distribution of Grades |
| **A+** | 1 | 3.70 % | …… ………………………………………………….. |
| **A** | 2 | 7.40 % | ……………………………………………………….. |
| **B+** | 3 | 11.11% | ……………………………………………………….. |
| **B** | 4 | 14.81 % | ……………………………………………………….. |
| **C+** | 4 | 14.81 % | ……………………………………………………….. |
| **C** | 3 | 11.11 % | ……………………………………………………….. |
| **D+** | 3 | 11.11 % | ……………………………………………………….. |
| **D** | 5 | 18.51 % | ……………………………………………………….. |
| **F** | 2 | 7.40 % | ……………………………………………………….. |
| DeniedEntry | 1 | 3.57 % | ……………………………………………………….. |
| In Progress | 27 | 96.42 % | ……………………………………………………….. |
| Incomplete | 0 | 0 % | ……………………………………………………….. |
| Pass | 25 | 92.59 % | ……………………………………………………….. |
| Fail | 2 | 6.41 % | ……………………………………………………….. |
| Withdrawn | 0 | 0 % | ……………………………………………………….. |

**2. Analyze special factors (if any) affecting the results**

|  |
| --- |
| * ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
 |

**3. Variations from planned student assessment processes (if any) .**

a. Variations (if any) from planned assessment schedule (see Course Specifications)

|  |  |
| --- | --- |
| Variation | Reason |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |

b. Variations (if any) from planned assessment processes in Domains of Learning

|  |  |
| --- | --- |
| Variation | Reason |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |

**4. Student Grade Achievement Verification :**

|  |  |
| --- | --- |
| Method(s) of Verification | Conclusion |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |

**D. Resources and Facilities**

|  |  |
| --- | --- |
| Difficulties in access to resources or facilities (if any) | Consequences of any difficulties experienced for student learning in the course |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |

**E. Administrative Issues**

|  |  |
| --- | --- |
| Organizational or administrative difficulties encountered (if any) | Consequences of any difficulties experienced for student learning in the course |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |
| …………………………………………… | …………………………………………… |

**F Course Evaluation**

**1 Student evaluation of the course (Attach summary of survey results)**

|  |
| --- |
| a. List the most important recommendations for improvement and strengths* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
 |
| b. Response of instructor or course team to this evaluation* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
 |

**2. Other Evaluation :**

|  |
| --- |
| a. List the most important recommendations for improvement and strengths* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
 |
| b. Response of instructor or course team to this evaluation :* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
 |

**G Planning for Improvement**

**1. Progress on actions proposed for improving the course in previous course reports (if any).**

|  |  |  |  |
| --- | --- | --- | --- |
| Actions recommendedfrom the most recent course report(s) | Actions Taken | Action Results | Action Analysis |
| 1. …………………………
 | ……………… | ………………… | ………………… |
| 1. …………………………
 | ……………… | ………………… | ………………… |
| 1. …………………………
 | ……………… | ………………… | ………………… |
| 1. …………………………
 | ……………… | ………………… | ………………… |

**2. List what other actions have been taken to improve the course**

|  |
| --- |
| * ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
* ………………………………………………………………………………………………
 |

**3. Action Plan for Next Semester/Year**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Actions Recommended for Further Improvement | Intended Action Points (should be measurable) | StartDate | CompletionDate | Person Responsible |
| 1. …………………………
 | ………………………… | …/…/1437 H | …/…/1437 H | ……..… |
| 1. …………………………
 | ………………………… | …/…/1437 H | …/…/1437 H | ……..… |
| 1. …………………………
 | ………………………… | …/…/1437 H | …/…/1437 H | ……..… |
| 1. …………………………
 | ………………………… | …/…/1437 H | …/…/1437 H | ……..… |
| 1. …………………………
 | ………………………… | …/…/1437 H | …/…/1437 H | ……..… |

**Course Instructor:**

|  |  |
| --- | --- |
| Name: | **Dr. Yahya Al-Jahmany**  |
| Signature: | ***Dr. Yahya***  | Date Report Completed: | 1/11/1437 H |

**Program Coordinator:**

|  |  |
| --- | --- |
| Name: | **Dr. Abdellah Alshehri**  |
| Signature: | ***Abdullah***  | Date Received : | 1/11/1437 H |

**Important Notes :**

* A separate Course Report (CR) should be submitted for every course and for each ( section " Male & Female" or Academic Programme or campus location where the course is taught ) even if the course is taught by the same person
* Each CR is to be completed by the course instructor (Separate reports attached ) and given to the program coordinator At the end of each course
* Course Reports are to discuss by the academic ( Programme ) Department Council