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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 engineering  project plan. | Course delivery by citing  real life examples and  problems.  Emphasis on  understanding concepts  and illustrating  applications to problems.  Placing before the class  mind provoking and  thinking questions | | | Regularly asking  questions on  different topics  and concepts.  Midterm and End semester  Tests that will force the  student to think  and apply the  knowledge.  Reports and  discussions | |
| **1.2** | Preparing and applying project  schedules using AON, AOA, PERT and  Bar chart methods. |
| **1.3** | Determine project schedule for  purpose of resource leveling and  allocation and time-cost trade-off. |
| **1.4** | Time and cost monitoring and  controlling for an engineering project  assessment and management of  project risks |
| **2.0** | **Cognitive Skills** | | | | | |
| **2.1** | Be able to do project plan and  schedule. | -Solving problems  through assignments on  each topic.  - Assignment problems,  Exercise / tutorial  problems for  applications that will  force the students to  think and apply the  knowledge gained.  - Asking to students to suggest a solution  before giving them the  correct answer.  - Asking the students to  explain the steps  adopted in the problem  and ensures that they  understand the problem.  - Asking searching  questions on topic  fundamentals.  - Setting M-1 and M-2 +  quizzes and mini  projects so that  students can apply the  knowledge gained. | | Asking the student  to solve the  problems on white  board guiding him  when required.  Quizzes and  Exams.  Asking students to  participate in oral  discussion during  the class.  Setting assignment  problems or mini  project which will  apply principles and  concepts.  Questions in Quiz,  Midterm and End  semester tests  which will force  the student to  think and apply  concepts and  principles learnt. | | |
| **2.2** | Learn how to break down the project  works into work packages. |
| **2.3** | Learn to make Time and Cost tradeoff  in case if wants to make project  time reduction. |
| **2.4** | How haw to make resources  management 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 the  problem by asking questions during  the office hours. | | - Solve the problems by  asking sequential  questions.  - Paying personal  attention to each  student and caring  about his situation. | | | Group work to do  assignment  activity.  Bonus marks to  those who are  improving and  participating  effectively in the  class. |
| **3.2** | Different access to the student to  be close with the teacher using,  email, website and even phone calls in  urgent. | |
| **4.0** | **Communication, Information Technology, Numerical** | | | | | |
| **4.1** | Developing the computer skills in  preparing presentation. | | - Asking students to solve  problems in the class by  guiding him. | | | Discussion,  Questioning during  topics. |
| **4.2** | Developing the communication skills  through interactive discussing during  the seminar | | Highlighting the  concepts and  principles through  real life problems  Asking the  students to solve  the numerical part  and check that the  answers are  tallying with notes.  Asking the  students to  participate in  evaluating their |
| **4.3** | Students have to be familiar with  using the modern information  technology such as interment, and  smart board. | | .................. | | |
| **5.0** | **Psychomotor** | | | | | |
| **5.1** | Questioning the students on solving  the problem in a reverse manner. | | -Make the class  attractive and full of  activations by raising  questions and  discussions that  requires straight  thinking and also  reverse 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 They  Effective? | | 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**

|  |  |  |  |
| --- | --- | --- | --- |
| Letter  Grade | Number of  Students | Student  Percentage | 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 % | ……………………………………………………….. |
| Denied  Entry | 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 recommended  from 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) | Start  Date | Completion  Date | 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