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| http://euhr.edu.eg/Files/170/Logo.jpg Faculty of Engineering At Shoubra  . | Model No.12 Course Specifications : Elective Humanities 1 |  |
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| **University** : Benha university |

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| **Faculty** : Faculty of Engineering at Shoubra |

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| **Department** : Electrical Engineering Department |

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| **1- Course Data** |
| |  |  |  |  | | --- | --- | --- | --- | | Course Code : GEN 283 | Course Title : Elective Humanities 1 | Study Year : Second Year | | | Specialization : |  | | | | Teaching Hours: | | | | | Lecture : 2 | Tutorial : | Practical : |  | |

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| **2-  Course Aim** |
| For students undertaking this course, the aims are to: |
| |  | | --- | | 2.1- Describe the many activities needed to complete the project, placing them in logical sequence, estimating the time required allocating resources | | 2.2- Demonstrate a practical plan made that is the main benchmark for controlling progress towards completion on time | |

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| **3- Intended Learning Outcomes of Course (ILOS)** |
| |  | | --- | | **a-  Knowledge and Understanding** | | On completing this course, students will be able to: | | |  | | --- | | a-1- Define concepts appropriated to the elective humanities(a2). | | a-2- List business management principles that is relevant to most engineeringfields(a8). | | a.3) demonstrate professional ethics and impacts of humanities solutions on society and environment.(a.13)  a.4) demonstrate the constraints of applying inappropriate technology and the needs of commercial risk evaluation. (a.17) | | |  | | | **b-  Intellectual Skills** |  | | At the end of this course, the students will be able to: |  | | |  | | --- | | b- 1 - Select appropriate solutions for management problems based on analytical thinking (b3). | | b- 2 -Plan, conduct and write a report on a project related to management fields(b15). | |  | |  | | | **c-  Professional Skills** |  | | On completing this course, the students are expected to be able to: |  | | |  | | --- | | c- 1 - Demonstrate basic organizational and project management skills relevant to management principles (c9). | | c-2- Prepare and present technical reports for management fields(c12). | |  | |  | | | **d-  General Skills** |  | | At the end of this course, the students will be able to: |  | | |  | | --- | |  | | d-1- Work in stressful environment and within constraints (d2). |  |  | | --- | | d-2- Write technical reports and presentation (d10). | |  | |  | | |

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| **4- Course Contents** |
| |  |  |  | | --- | --- | --- | | **No.** | **Topics** | **No. of Hours** | | 1 | Project as a part of strategic plans | 2 | | 2 | Project Cycle | 2 | | 3 | Project Scope Management | 2 | | 4 | Work Breakdown Structure (WBS) | 2 | | 5 | Project Time Management | 2 | | 6 | Project requirements | 2 | | 7 | Project scheduling | 2 | | 8 | Project planning | 2 | | 9 | PERT “Program Evaluation Review Techniques” for Planning | 2 | | 10 | CPM “Critical Path Method | 2 | | 11 | Project crashing | 2 | | 12 | Project Management Software (MindView) | 2 | | 13 | Project organization | 2 | | 14 | Project performance evaluation. | 2 | |

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| **5- Teaching and Learning Methods** |
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| |  | | --- | | 5.1-  Modified Lectures | | 5.2- seminars | | 5.3- Class activity | | 5.4- Assignments / homework | |  | |

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| **6- Teaching and Learning Methods of Disables** |
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| |  | | --- | | 6.1- Nothing. | |

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| **7- Student Assessment** |
| |  | | --- | | **a- Student Assessment Methods** | | |  |  | | --- | --- | | 1 | **Assignments   to assess knowledge, intellectual skills and General Skills.** | | 2 | **Quiz   to assess   knowledge, general and intellectual skills.** | | 3 | **Mid-term exam   to assess   knowledge and intellectual skills.** | | 4 | **Final exam   to assess   knowledge, general and intellectual skills.** | | |  | | | **b- Assessment Schedule** |  | | |  |  |  | | --- | --- | --- | | **No.** | **Assessment** | **Week** | | 1 | Assessment 1 | 2, 5, 9, 11 | | 2 | Quizzes | 4, 6, 10, 12 | | 3 | Mid-term exam | 8 | | 4 | Final exam | 15 | |  | |  | | | **c- Weighting of Assessments** |  | | |  |  | | --- | --- | | **Assessment** | **Weight** | | Midterm Examination | 10 % | | Final Term Examination | 80 % | | Oral Examination | 0 % | | Practical Examination | 0 % | | Semester work | 10 % | | Other types of assessment | 0 % | | Total | 100 % | |  | |  | | |

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| **8- List of References** |
| |  | | --- | | **a- Books** | | |  | | --- | | 1. Kathy Schwalbe , “Information Technology Project Management”, 7th Edition. 2. Wouter Baars, “Project Management Handbook”, Version 1.1 | | | **b- Recommended Books** | | |  | | --- | | 1. Nigel Smith, “Engineering Project Management”, 2nd Edition, University of Leeds. | | |

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| http://euhr.edu.eg/Files/170/Logo.jpg Faculty of Engineering at Shoubra | Model No.11A Course Specifications : Elective Humanities 1 |  |
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| **University** : Benha university |

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| **Faculty** : Shoubra Faculty of Engineering at shoubra |

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| **Department** : Electrical Engineering Department |

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| **Matrix of Knowledge and Skills of the course** |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **No.** | **Topics** | **week** | **Basic Knowledge** | **Intellectual Skills** | **Professional Skills** | **General Skills** | | 1 | Project as a part of strategic plans | 1 | a1 | b1 | c1 |  | | 2 | Project Cycle | 1 | a1,a2 | b1 | c1 |  | | 3 | Project Scope Management | 2 | a1,a2,a13 | b1 | c1 |  | | 4 | Work Breakdown Structure (WBS) | 3 | a1,a2 | b1,b2 | c1,c2 |  | | 5 | Project Time Management | 4,5 | a1,a2,a13 | b1 | c1,c2 | d2 | | 6 | Project requirements | 6 | a1,a2 | b1,b2 | c2,c1 |  | | 7 | Project scheduling | 7 | a1,a2 | b1 | c1,c2 |  | | 8 | Midterm exam | 8 | a2 | b1 |  | d1 | | 9 | Project planning | 9 | a1,a2,a17 | b1 | c1 |  | | 10 | PERT “Program Evaluation Review Techniques” for Planning | 10 | a1,a2 | b1,b2 | c1,c2 |  | | 11 | CPM “Critical Path Method | 11 | a1,a2,a17 | b1 | c1 |  | | 12 | Project crashing | 12 | a1,a2 | b1 | c1 |  | | 13 | Project Management Software (MindView) | 12 | a1,a2 | b1 | c1 |  | | 14 | Project organization | 13 | a1,a2 | b1 | c1 |  | | 15 | Final exam | 14 | a2 | b1 |  | d1 | |

**Matrix of Course Content and ILO’s**

**Course Title**: Elective Humanities 1 **Code**: GEN 283

**Lecture**: 2 **Tutorial**:--- **Practical**: - **Total:2**

**Program on which the course is given:** B.Sc. Electrical Engineering (Communications)

**Major or minor element of program:** minor

**Department offering the program:** Electrical Engineering Department

**Department offering the course:** Electrical Engineering Department

**Academic year / level:** Second Year / First Semester

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| **Course Content** | **a1** | **a2** | **a13** | **a17** | **b1** | **b2** | **c1** | **c2** | **d1** | **d2** |
| Project as a part of strategic plans | ✓ |  |  |  | ✓ |  | ✓ |  |  |  |
| Project Cycle | ✓ | ✓ |  |  | ✓ |  | ✓ |  |  |  |
| Project Scope Management | ✓ | ✓ | ✓ |  | ✓ |  | ✓ |  |  |  |
| Work Breakdown Structure (WBS) | ✓ | ✓ |  |  | ✓ | ✓ | ✓ | ✓ |  |  |
| Project Time Management | ✓ | ✓ | ✓ |  | ✓ |  | ✓ | ✓ |  | ✓ |
| Project requirements | ✓ | ✓ |  |  | ✓ | ✓ | ✓ | ✓ |  |  |
| Project scheduling | ✓ | ✓ |  |  | ✓ |  | ✓ | ✓ |  |  |
| Project planning | ✓ | ✓ |  | ✓ | ✓ |  | ✓ |  |  |  |
| PERT “Program Evaluation Review Techniques” for Planning | ✓ | ✓ |  |  | ✓ | ✓ | ✓ | ✓ |  |  |
| CPM “Critical Path Method | ✓ | ✓ |  | ✓ | ✓ |  | ✓ |  |  |  |
| Project crashing | ✓ | ✓ |  |  | ✓ |  | ✓ |  |  |  |
| Project Management Software (MindView) | ✓ | ✓ |  |  | ✓ |  | ✓ |  |  |  |
| Project organization | ✓ | ✓ |  |  | ✓ |  | ✓ |  |  |  |

**Matrix of Course Aims and ILO’s**

**Course Title**: Elective Humanities 1 **Code**: GEN 283

**Lecture**:2 **Tutorial**: ---- **Practical**: - **Total:2**

**Program on which the course is given:** B.Sc. Electrical Engineering (Communications)

**Major or minor element of program:** Minor

**Department offering the program:** Electrical Engineering Department

**Department offering the course:** Electrical Engineering Department

**Academic year / level:** Second Year / First Semester

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| **Course Aims** | **a1** | **a2** | **a13** | **a17** | **b1** | **b2** | **c1** | **c2** | **d1** | **d2** |
| Describe the many activities needed to complete the project, placing them in logical sequence, estimating the time required allocating resources | ✓ |  | ✓ |  | ✓ |  | ✓ |  |  |  |
| Demonstrate a practical plan made that is the main benchmark for controlling progress towards completion on time | ✓ | ✓ |  |  |  | ✓ |  | ✓ |  | ✓ |

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| **- Course Coordinator :     Basem Mamdoh Hagag Elhalawany**  **- Head of Department :** Prof. Dr**.** Sayed Abo-Elsood Ward |