

## Project Management

1. **Course number and name:** 020GPRES2 Project Management
2. **Credits and contact hours:** 4 ECTS credits, 2x1:15 contact hours per week
3. **Name(s) of instructor(s) or course coordinator(s):** Elie Maalouf
4. **Instructional materials** Text book: Project Management, The Managerial Process, Third Edition, Clifford Gray and Erik -Larson, McGraw-Hill, ISBN = 007-12446-8

### 5. Specific course information

#### a. Catalog description:

Effective project management ensures that a project is completed on time, within budget, and with high quality. Specific techniques for accomplishing these three goals are not always so obvious. The purposes of this course are teaching students these successful techniques, and expose them to a variety of skills to manage the budget, schedule, and quality of projects that they are or will be responsible for.

#### b. Prerequisite: None

#### c. Required for CCE, EE, and ME students

### 6. Educational objectives for the course

#### a. Specific outcomes of instruction:

- Build and foster qualities of an effective project manager.
- Understand and explore typical responsibilities of a project manager.
- Learn the techniques of project selection, acquisition, and development.
- Develop and follow a detailed work plan.
- Develop and manage a project schedule and budget.
- Communicate effectively with the project team, client and supervisors.
- Team building skills.
- Anticipate and avoid project problems.

#### b. PI addressed by the course:

| PI       | 1.1 | 2.1 | 3.1 | 3.2 | 4.1 | 5.1 | 6.4 | 7.1 | 7.2 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Covered  | x   | x   | x   | x   | x   | x   | x   | x   | x   |
| Assessed | x   |     | x   | x   |     | x   | x   | x   | x   |

### 7. Brief list of topics to be covered

- Introductions and general overview of Project Management
- Organizational Strategy and Project Selection
- Plan the Project – WBS
- Plan the Project – Network Diagrams, Gantt Charts
- Plan the Project - Cost Estimation & Resource Planning

- Plan the Project – Risk Planning
- Reducing Project Duration
- Effective Project Management – Leadership
- Execute & Control the Project - Managing teams
- Execute & Control the Project - Progress and Performance Measurement and Evaluation
- Project Presentation