



Course Specification

Course Name: [Advanced Project Management]

Course Code: [DS426]

I. Basic Course Information

Major or minor element of program: [Major]

Department offering the course: [Operations Research and Decision Support Department]

Academic level: [400 Level]

Semester in which course is offered: [Second (spring) Semester]

Course pre-requisite(s): [DS221 - Projects Management]

Credit Hours: 3

Contact Hours Through:

| Lecture | Tutorial* | Practical* | Total |
|---------|-----------|------------|-------|
| 2.5 | 1.5 | 0.0 | 4.0 |

* 1.5 hours for **either** Tutorial or Practical

Approval date of course specification: [January 2015]

II. Overall Aims of Course

[To integrate traditional and strategic project management into a framework for achieving project success. Project management is presented as a holistic management practice that incorporates cross-functional thinking spanning corporate, business, marketing, and operations of the organization.]

III. Program ILOs covered by course

| Program Intended Learning Outcomes (By Code) | | | |
|--|---------------------|---------------------|----------------|
| Knowledge & Understanding | Intellectual Skills | Professional Skills | General Skills |
| [K16,K20,K21] | [I11,I12] | [P13,P16] | [G1,G6] |



Course Specification

IV. Intended Learning Outcomes of Course (ILOs)

a. Knowledge and Understanding

[On completing the course, students should be able to:

- K.1 Characterize the range, scope, and complexity of modern projects
- K.2 Develop a strategic, system perspective for understanding projects.
- K.3 Explain and learn the latest tools and techniques used in projects.]

b. Intellectual/Cognitive Skills

[On completing the course, students should be able to:

- I.1 Identify and critically analyze the objectives, critical success factors, major changes, and lessons learned from real life projects.
- I.2 Make recommendations for addressing the real life project's critical issues.]

c. Practical/Professional Skills

[On completing the course, students should be able to:

- P.1 Use the appropriate software packages to analyze projects.
- P.2 Handle human resource issues, both from a customer and a project team perspective.]

d. General and Transferable Skills

[On completing the course, students should be able to:

- G.1 Learn the characteristics that make for a successful project.
- G.2 Improve writing and oral communication skills, supported by the use of computer and group work.]

V. Course Matrix Contents

| | Main Topics / Chapters | Duration (Weeks) | Course ILOs Covered by Topic (By ILO Code) | | | |
|----|---|------------------|--|-------|----------|-------|
| | | | K & U | I.S. | P.S. | G.S. |
| 1- | Project Analysis Guidelines] | [1] | [K1] | [] | [] | [] |
| 2- | Integrating Product & Project Management–A New Synergistic Approach] | [2] | [] | [I1] | [] | [] |
| 3- | Project Strategy] | [1] | [K2] | [] | [] | [G1] |
| 4- | Creating Project Plans to Focus Product Development] | [2] | [] | [I2] | [P1] | [] |
| 5- | Matching Customers to the Right Project] | [1] | [] | [] | [P2] | [] |
| 6- | Whole Product Model] | [2] | [K3] | [I1] | [] | [] |
| 7- | The Human Side of Project Management] | [1] | [] | [] | [P2] | [G2] |
| 8- | Project Implementation Processes] | [2] | [K3] | [I2] | [P1,P2] | [] |
| 9- | Project Learning and The Future for Project Management] | [1] | [] | [I2] | [P2] | [G1] |
| | Net Teaching Weeks | 13 | | | | |



Course Specification

VI. Course Weekly Detailed Topics / hours / ILOs

| Week No. | Sub-Topics | Total Hours | Contact Hours | |
|-----------------------------|---|-------------|-------------------|------------------|
| | | | Theoretical Hours | Practical Hours* |
| 1 | Project Analysis Guidelines | 2.5 | 2.5 | |
| 2 | Integrating Product & Project Mngmt. – A New Synergistic Approach | 4 | 2.5 | 1.5 |
| 3 | Integrating Product & Project Mngmt. – A New Synergistic Approach | 4 | 2.5 | 1.5 |
| 4 | Project Strategy | 4 | 2.5 | 1.5 |
| 5 | Creating Project Plans to Focus Product Development | 4 | 2.5 | 1.5 |
| 6 | Creating Project Plans to Focus Product Development | 4 | 2.5 | 1.5 |
| 7 | Midterm Exam | | | |
| 8 | Matching Customers to the Right Project | 4 | 2.5 | 1.5 |
| 9 | Whole Product Model | 4 | 2.5 | 1.5 |
| 10 | Whole Product Model | 4 | 2.5 | 1.5 |
| 11 | The Human Side of Project Management | 4 | 2.5 | 1.5 |
| 12 | Project Implementation Processes | 4 | 2.5 | 1.5 |
| 13 | Project Implementation Processes | 4 | 2.5 | 1.5 |
| 14 | Project Learning and The Future for PM | 4 | 2.5 | 1.5 |
| 15 | Final Exam | | | |
| Total Teaching Hours | | 51 | 33 | 18 |

* No Practical/Tutorial during the first week of the semester

VII. Teaching and Learning Methods

| Teaching/Learning Method | Selected Method | Course ILOs Covered by Method (By ILO Code) | | | |
|--|-------------------------------------|---|---------------------|---------------------|----------------|
| | | K & U | Intellectual Skills | Professional Skills | General Skills |
| Lectures & Seminars | <input checked="" type="checkbox"/> | All | All | All | All |
| Tutorials | <input type="checkbox"/> | | | | |
| Computer lab Sessions | <input type="checkbox"/> | | | | |
| Practical lab Work | <input type="checkbox"/> | | | | |
| Reading Materials | <input type="checkbox"/> | | | | |
| Web-site Searches | <input type="checkbox"/> | | | | |
| Research & Reporting | <input checked="" type="checkbox"/> | All | All | All | All |
| Problem Solving / Problem-based Learning | <input type="checkbox"/> | | | | |
| Projects | <input type="checkbox"/> | | | | |
| Independent Work | <input type="checkbox"/> | | | | |
| Group Work | <input type="checkbox"/> | | | | |
| Case Studies | <input checked="" type="checkbox"/> | All | All | All | All |
| Presentations | <input type="checkbox"/> | | | | |
| Simulation Analysis | <input type="checkbox"/> | | | | |
| Others (Specify): | <input type="checkbox"/> | | | | |



Course Specification

VIII. Assessment Methods, Schedule and Grade Distribution

| Assessment Method | Selected Method | Course ILOs Covered by Method (By ILO Code) | | | | Assessment Weight / Percentage | Week No. |
|---------------------|-------------------------------------|---|------|------|------|--------------------------------|----------|
| | | K & U | I.S. | P.S. | G.S. | | |
| Midterm Exam | <input checked="" type="checkbox"/> | All | All | All | All | 20% | 7 |
| Final Exam | <input checked="" type="checkbox"/> | All | All | All | All | 60% | 15 |
| Quizzes | <input type="checkbox"/> | | | | | | |
| Course Work | <input type="checkbox"/> | | | | | | |
| Report Writing | <input type="checkbox"/> | | | | | | |
| Case Study Analysis | <input type="checkbox"/> | | | | | | |
| Oral Presentations | <input type="checkbox"/> | | | | | | |
| Practical | <input type="checkbox"/> | | | | | | |
| Group Project | <input checked="" type="checkbox"/> | | All | | | 20% | 12 |
| Individual Project | <input type="checkbox"/> | | | | | | |
| Others (Specify): | <input type="checkbox"/> | | | | | | |

IX. List of References

| | |
|--|---|
| Essential Text Books | <ul style="list-style-type: none"> Advanced Project Management: Best Practices on Implementation by Harold Kerzner ISBN#: 0-471-472840] |
| Course notes | <ul style="list-style-type: none"> None] |
| Recommended books | <ul style="list-style-type: none"> Managing New Product and Process Development by Kim B. Clark and Steven C. Wheelwright Free Press, 1993 ISBN: 0-02-905517-2] |
| Periodicals, Web sites, etc ... | <ul style="list-style-type: none"> None] |

X. Facilities required for teaching and learning

| |
|--|
| <ul style="list-style-type: none"> None] |
|--|

Course coordinator: Prof. Hisham M. E. Abdelsalam

Head of Department: [Prof. Mohamed MostafaSaleh]

Date: [January 2015]