

Las Positas College
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Course Outline for CIS 63

ADVANCED PROJECT MANAGEMENT

Effective: Spring 2013

I. CATALOG DESCRIPTION:

CIS 63 — ADVANCED PROJECT MANAGEMENT — 3.00 units

In-depth study of project management methodologies. Covers best practices for on-time, on-budget project completion including technology tools that can be used to tract and expedite projects, leadership skills, interpersonal skills, and effective communications.

3.00 Units Lecture

Strongly Recommended

CIS 62 - Project Management
with a minimum grade of C

Grading Methods:

Letter or P/NP

Discipline:

	MIN
Lecture Hours:	54.00
Total Hours:	54.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

Before entering this course, it is strongly recommended that the student should be able to:

A. CIS62

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- Describe the differences between project management methodologies.
- Analyze a project and formulate a project management plan that ensures an on-buget/on-time project completion.
- Identify technology tools that can be used to tract and expedite projects;
- Assess a project plan, identify areas of weakness, and formulate a plan to address the identified weakness.
- Communicate effectively with audiences of various degrees of expertise in a wide range of technical and business contexts.
- Describe skills of successful project managers.

V. CONTENT:

- Project Management methodologies
 - PMI
 - Agile/Scrum
 - RUP
 - SDLC
 - PDLC
 - ITIL
 - ITSM
 - COBIT
- Technology to tract and expedite projects
- Effective communication and interpersonal skill
 - Leadership skills for effective project management
 - Strategies for developing collaborative/effective project workgroups
- Tools and strategies for addressing project setbacks/roadblocks

VI. METHODS OF INSTRUCTION:

- Lecture** -
- Discussion** - Ongoing discussion on current topics in the field of project management; small group discussions on case studies.
- Audio-visual Activity** - Including but not limited to video tapes and Internet web casts with handouts for note taking and small group discussion.
- Projects** - Individual and group projects in which students are expected to use project management methodologies to make

- decisions and make effective use of technology to report their conclusions.
- E. Written exercises and case studies - To evaluate student's ability to assess needs and apply project management methodologies and demonstrate effective communications skills, and/or interpersonal skills.

VII. TYPICAL ASSIGNMENTS:

- A. Create and present a complete project management plan using one of the project management methodologies covered in class. (Group or individual project)
- B. Read and analysis a project case study and develop a two-three page report outlining the reasons for the project's success/failure. Discuss technology that could be used to tract project milestones and/or measure project success. (Group or individual project)
- C. Read the chapter in the text on project leadership skills and styles. Develop a one-two page paper that describes your leadership skills or style. Identify skills that you need to develop more fully and describe how you will go about acquiring these skills.

VIII. EVALUATION:

A. **Methods**

1. Exams/Tests
2. Quizzes
3. Papers
4. Simulation
5. Group Projects

B. **Frequency**

1. 2-3 exams (mid-term(s)/final)
2. Weekly quizzes/papers on chapter materials
3. 2-3 papers on simulations and chapter materials
4. 1-2 group projects throughout the course of the semester

IX. TYPICAL TEXTS:

1. Lewis, James *Mastering Project Management: Applying Advanced Concepts to Systems Thinking, Control & Evaluation, Resource Allocation*. 2nd ed., McGraw Hill, 2007.
2. Berkum, Scott *Making Things Happen: Mastering Project Management (Theory in Practice)*. Revised ed., O'Reilly Media, 2008.
3. Barker, Stephen, Cole, Rob *Brilliant Project Management: What the Best Project Managers Know, Do, and Say*. 1st ed., FT Press , 2009.

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. None