

Course Syllabus

Course Information

Course Number/Section:	OPRE/ENGY/IMS 6362, and SYSM 6311 (Updated 05/18/2024, always check
Course Title:	eLearning for the most updated syllabus)
Term:	Project Management in Engineering and Operations
Days & Time:	Summer 2024, Online 24/7 Distance Learning

Contact Information

Instructor:	Shawn Alborz, PhD
Office:	SOM 3.707
Office Hours:	By appointment
Email:	salborz@utdallas.edu
Phone:	972-883-6455
TA:	TBD

Course Pre-requisites, Co-requisites, or Other Restrictions: No Pre-requisites

Course Description

Project management is the discipline of planning, organizing, and managing resources to successfully complete specific project goals and objectives. A project is a finite endeavor (having specific start and completion dates) undertaken to create a unique product or service that brings about beneficial change or added value. The Project Management discipline includes critical path methods for planning and controlling projects, including time/cost tradeoffs, resource utilization, and other considerations.

Course Modality and Expectations

This is an online distance learning course. All instructions and exams will be online. Students may log into the eLearning platform anytime (24/7) and review lectures and other materials online/remotely. Students are expected to review the lectures and material weekly.

Students Learning Objectives/Outcomes

Students will be able to:

- Define important terms and concepts in project management
- Develop an overall project charter, scope, execution plan, and work breakdown structure (WBS)
- Apply knowledge to develop a project schedule with predecessors, resources, and cost structure
- Develop an S-Curve, apply Earn Value Management (EVM) tool, and predict future cost and timeline

Required Textbooks and Materials: None

Suggested Reading Textbooks and Materials

No book is required. The instructor will provide all necessary material via the eLearning platform, such as slide presentations. Students are expected to research the concepts discussed in lectures to complement their learning and gain in-depth knowledge about those concepts. The following is a good reference book in which students can access online at UT Dallas Library:

- Project management: A systems approach to planning, scheduling and controlling, Harold Kerzner, 2013

UT Dallas digital library also offers many free project management books to view, such as:

- A guide to the project management body of knowledge (PMBOK 5th or 6th edition)
- Fundamentals of project management, Joseph Heagney, 2016, ISBN 9780814437360
- Project management, Gary Heerkens, 2002, ISBN 0071379525
- Project management professional (PMP) examination, PMI, 2005, ISBN 9781930699885
- Successful project management, Larry Richman, 2005, ISBN 9780761214373

- Successful project management, Trevor Young, 2016, ISBN 9780749475833
- Construction project management 6th edition, Keoki Sears, ISBN 9781118745250
- More...

Required Tools

- MS Excel is required to develop charts and graphs.
- Project management software is needed to complete the project schedule assignment. Microsoft Windows users need to download the Microsoft Project software free from [Azure Dev Tools for Education](#) (see group assignments section on how to download).

MAC Users

Microsoft does not provide project management software for MAC users. So, consider Project Plan 365 and download a trial version for 30 days. So, only download it when the project schedule assignment is posted. Alternatively, consider free open-source Project Software such as [Open Project](#).

Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course. However, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those, not in class or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements violates the [Student Code of Conduct](#).

Essential Information: Be Advised

Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

Course Access and Navigation

This course can be accessed using the UT Dallas NetID account on the [eLearning](#) website. For more information, please see the course access and navigation section of the [Getting Started with eLearning](#) webpage. To become familiar with the eLearning tool, please visit the [Student eLearning Tutorials](#) webpage. UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and online chat service.

Communication

This course utilizes online tools for interaction and communication. Some external communication tools, such as regular email and web conferencing, may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools. Under normal circumstances, student emails and discussion board messages will be answered within 3 working days.

Distance Learning Student Resources

Online students can access resources, including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the [eLearning Current Students](#) webpage for more information.

Server Unavailability or Other Technical Difficulties

The University is committed to providing all users with a reliable learning management system. However, in the event of an unexpected server outage or any unusual technical difficulty that prevents students from completing a time-sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report problems to the instructor and contact the online [eLearning Help](#)

[Desk](#). The instructor and the eLearning Help Desk will work with the student to resolve any issues as soon as possible.

Office of Student AccessAbility

It is the policy and practice of The University of Texas at Dallas to make reasonable accommodations for students with properly documented disabilities. However, written notification from the Office of Student AccessAbility (OSA) is required. If you are eligible to receive accommodation and would like to request it for this course, please discuss it with me and allow one week advance notice. Students who have questions about receiving accommodations or those who have, or think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact the Office of Student AccessAbility for a confidential discussion. OSA is located in the Administration Building, suite 2.224. They can be reached by phone at 972- 883-2098 or by email at studentaccess@utdallas.edu.

Schedule (OPRE 6362 Online Distance Learning)

This tentative schedule will be followed as closely as possible (changes will be announced, if any).

Day	Lecture	Assignments & Due Dates (11:59pm)
May 28	LEC 01 – Introduction, PMI, and research	
Jun 03	LEC 02 – Project selection and charter LEC 03 – Organizational structure framework	Individual Video assignment due
Jun 10	Continue LEC 03 – Organizational structure framework LEC 05 – Scope management	Group Project charter due
Jun 17	Exam 1 – Online, chapters 1, 2, 3, 5	
Jun 24	LEC 07 – Schedule management	
Jul 01	LEC 06 – Risk management	Group Project scope due
Jul 08	LEC 04 – HR management LEC 08 – Cost management and S-Curve	Group Project schedule due
Jul 15	Exam 2 – Online, chapters 4, 6, 7, 8	
Jul 22	LEC 11 – Cost management EVM	
Jul 29	LEC 10 – Procurement management LEC 09 – Quality management Project presentation	Group Project S-Curve due Group slide presentation due
Aug 05	Exam 3 – Online, chapters 5, 6, 7, 8, 9, 11	

Grading Policy		Scale	
Exams	75%	94 – 100	A
All Assignments/Project	25%	90 – 93	A-
		87 – 89	B+
Total	100%	83 – 86	B
		79 – 82	B-
Grade Calculation (no curving and no rounding up) 75 points exams [(exam1 + exam2 + exam3) / 120] x 75 = [(40 + 40 + 40) / 120] x 75 = 75 25 points homework/project 100 Points Total			

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same: *"As a Comet, I pledge honesty, integrity, and service in all that I do."*

UT Dallas Syllabus Policies and Procedures

Academic Support Resources

The information in the [Academic Support Resources](#) lists the University's academic support resources for all students. The information in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to [UT Dallas Syllabus Policies](#) webpage for these policies.

The descriptions and timelines in this syllabus are subject to change at the discretion of the Professor.