

# CS450 - Introduction to Software Project Management

## Course Outline (Spring 2020)

**Instructor:** Waqas Ziad

**Telephone Extension:** 257

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**Office Hours:** Wednesday: 3:30pm – 5:30pm, or by appointment

### Objective of the Course

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The objective of this course is to familiarize students with fundamental project management concepts and provide guidelines for successful project management. The course will cover various areas and basic methods related to managing software projects, including project planning and estimation, execution and monitoring, risk analysis and management, etc.

### Text Books and Reference Material

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#### Text Books:

Software Project Management (5<sup>th</sup> Edition)

Bob Hughes, Mike Cotterell, Rajib Mall

The Deadline – A Novel About Project Management

Tom DeMarco

#### Reference Books:

Effective Project Management

Robert Wysocki, Robert Beck, David Crane

Software Project Management – A Unified Framework

Walker Royce

A Guide to the Project Management Body of Knowledge (3<sup>rd</sup> Edition) by the Project Management Institute (PMI)

IFPUG Counting Practices Guide (Manual on FP Practices)

*Additional reference material may be provided in the duration of the course.*

### Course Topics

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1. Introduction to Software Project Management	6. Risk Analysis and Management
2. Project Evaluation and Program Management	7. Resource Allocation
3. Project Planning	8. Project Monitoring and Control
4. Project Approach Selection	9. Project Management Body of Knowledge
5. Size and Effort Estimation	10. Other Issues (will discuss if time allows)

### Evaluation

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Assignment(s)	15 (3.75+3.75+7.5)
Quiz(s)	7.5 (2.5+5)
Topic Presentation	12.5 (2+3+7.5)
Mid Semester Evaluation	15
Final Semester Evaluation	45
Class Participation	5
<b>Total:</b>	<b>100 points</b>
<b>Grading:</b>	<b>Absolute</b>

### Pre-Requisites

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CS 303 – Software Engineering

**As per department policy, registration of any student, who does not fulfill the course pre-requisites when registering for the course, may be cancelled at any time that this situation is detected.**

**Students are expected to adhere to the university dress code in class. Violations may require appropriate corrective action where possible, otherwise violators may be disallowed attendance.**

**All deliverables are expected 100% on time. If the deliverable is not submitted on due date, there will be a penalty of 10%. It will not be accepted once the deliverable has been returned / discussed in class. Please discuss any issues in a timely manner – no consideration will be given at the end of the course.**

**Any plagiarism or cheating case (assignments, quizzes or exams) will result in an F grade in the course at the minimum and *all courses* in the semester at the maximum with warning.**