Carnegie **17632-B3** > Syllabus 6∂ Student View Mellon University Spring 2023

tchick@andrew.cmu.edu

**Announcements Syllabus** Modules

Home

Account

(P)

Dashboard

Courses

Calendar

Inbox

History

**(** 

Commons

录

Studio

?2

Help

**Assignments** 

Quizzes

Ø

Ø

**Grades** Zoom NameCoach

Syllabus Registry People Discussions

**Pages** Files

**Outcomes** 

17-632: Software Project Management In Person: M, W 2:00pm - 3:20pm

Meeting ID: 967 6787 6158

management activities.

taken on canvas

90-92%

88-89%

83-87%

80-82%

70-79%

60-69%

**Assessment** 

59% or below

**Grade Percentages** 

Final Grade %

20%

40%

25%

10%

5%

A-

B+

В

B-

C

D

R (F)

Quizzes

**Exercise Writeups** 

Assignments

**Peer Evaluation** 

Capstone

Passcode: 276424

Instructor

Tim Chick

Course Syllabus

B3, Spring 2023, 6 Units

**Email** 

Jump to Today

Office Location & Hours

zoom, by appointment

**™** Edit

25 30 31 29 Course assignments are not weighted.

17

<

January 2023

11

18

31

14

21

28

4

30

13

20

27

3

12

19

**Teaching Assistant Office Location & Hours Email** Palak Sarawagi Every Friday, 1 pm to 2 pm. psarawag@andrew.cmu.edu

sufficiently unique to require specialized management techniques, especially in the areas of the estimating and scheduling Learning Objectives. After completing this course, you will be able to: • Create a master project plan and organize project source materials to support

• Assess decision making characteristics for common project management problems within

https://cmu.zoom.us/j/96767876158?pwd=eVYwTDBzVVpJcUZrYWYwUGVEUDFBdz09

Course Description. Large scale software development requires the ability to manage

This course is a breadth-oriented course, designed to help technically trained software

costs, and understand the software process. The nature of software development is

resources — both human and computational — through control of the development process.

engineers to acquire the knowledge and skills necessary to lead a project team, understand

the relationship of software development to overall project engineering, estimate time and

the context of prior course work in Agile Methods, Requirements Management, and Statistics. • Be able to create planning artifacts such as work breakdown structures, milestone plans, activity plans, estimates, risk registers and earned value charts.

- Learning Resources. There are no required textbooks for this course. All readings are posted on canvas and are
- freely available to students. Assessments. Students learn more by applying and explaining ideas to others, thus, the course requires the following activities:
- In-Class Exercises roughly weekly instructor-led in-class group exercises designed to let students apply new skills. These will be accompanied with graded group write-ups.

• Assignments – individual assignments • Quizzes – quizzes are short answer, multiple choice, or other selection type of answers

- Peer Evaluations evaluations accompanying the in-class exercise writeups • Capstone - final group presentation on the last day of class
- **Grading Scale Grade** Percentage Interval
- 98-100% A+
  - 93-97%

## time. For fairness to the whole class, no late submissions will be accepted for any group work. In the first week of classes, you should receive a course schedule for each course; please use them to plan ahead.

**Course and Grading Policies** 

• Participation policy. Class participation will be graded by in-class engagement, including asking relevant questions based on a critical review of required readings, lectures, and comments made by your peers. The lack of attendance, and the use of mobile devices, including phones and laptops, will count against your participation grade. Course Schedule. The following schedule provides a general overview of topics and assignments. Please refer to the syllabus online in Canvas for specific lecture topics, reading

assignments and due dates. Schedule is subject to minor changes which will be updated on

canvas when they occur as well as announced during class. Readings are listed in Canvas.

Course Schedule

• Late-work policy: All work is expected to be handed in at the indicated due date and

Each student is allowed one late submission for the individual homework assignments. You

submit late. Late work must be submitted as soon as circumstances allow, ordinarily within 24

hours of the due date. If you have any questions, you should raise them immediately rather

than waiting for conflicts to arise. Late work will be assessed a penalty daily, for three days,

then assessed with a score of 0. I understand that conflicts happen, so please make

arrangements to submit late assignments ahead of time if possible.

should immediately notify the course TA(s) before the submission deadline that you will

Class **Topics** Intro, High Level Goals, Milestones 1/18 **Planning Process** 1/23

2/1 In-Class Exercise 2 – Estimating Techniques

**Estimation Techniques** 

In-Class Exercise 1 – Making Early Decisions

Work Breakdown Structures, Critical Path

In-Class Exercise 3 - Work Breakdown Structures, Critical Path

1/25

1/30

2/6

2/8

2/20

3/1

2/13 Earned Value, Agile Tracking and Planning 2/15 Articulating the Plan to Stakeholders

In-Class Exercise 4 - Agile Planning

Capstone - Plan Brief to the class

Risk Management 2/22 2/27 In-Class Exercise 5 - Risk

Accommodations for Students Disabilities. If you have a disability and have an

accommodations letter form the Disability Resources office, I encourage you to discuss your

accommodations and needs with me as early in the semester as possible. I will work with you

have a disability and would benefit from accommodations but are not yet registered with the

Office of Disability Resources, I encourage you to contact them at access@andrew.cmu.edu.

Academic Integrity. Honesty and transparency are important to good scholarship. Plagiarism

and cheating, however, are serious academic offenses with serious consequences. If you are

For a clear description of what counts as plagiarism, cheating, and/or the use of unauthorized

discovered engaging in either behavior in this course, you will earn a failing grade on the

assignment in question, and further disciplinary action may be taken.

sources, please see the University's Policy on Academic Integrity.

Psychological Services: 412-268-2922.

to ensure that accommodations are provided as appropriate. If you suspect that you may

If you have any questions regarding plagiarism or cheating, please ask me as soon as possible to avoid any misunderstandings. For more information about Carnegie Mellon's standards with respect to academic integrity, you can also check out the Office of Community Standards & Integrity website. Student Wellness. As a student, you may experience a range of challenges that can interfere

with learning, such as strained relationships, increased anxiety, substance use, feeling down,

difficulty concentrating and/or lack of motivation. These mental health concerns or stressful

events may diminish your academic performance and/or reduce your ability to participate in

Respect for Diversity. [Please refer to the **Eberly Center's page on Diversity Statements** for

other examples, if this one does suit your needs.] It is my intent that students from all diverse

backgrounds and perspective be well served by this course, that students' learning needs be

addressed both in and out of class, and that the diversity that students bring to this class be

viewed as a resource, strength, and benefit. It is my intent to present materials and activities

ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me

that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status,

daily activities. CMU services are available, and treatment does work. You can learn more

Psychological S ervices website. Support is always available (24/7) from Counseling and

about confidential mental health services available on campus at the Counseling and

know if any of our class meetings conflict with your religious observations so that I can make alternate arrangements for you. Research. For this class, Tim Chick is conducting research on the use of various cause delivery technologies. This research will involve a few discussions and questionnaires. You will not be asked to do anything above and beyond the normal learning activities and assignments that are part of this course. You are free not to participate in this research, and your participation will have no influence on your grade for this course or your academic career at CMU. If you do not wish to participate or if you are under 18 years of age, please send an email to Chad Hershock (<a href="hershock@andrew.cmu.edu">hershock@andrew.cmu.edu</a>), and then your data will not be included. Participants

will not receive any compensation. The data collected as part of this research will include

student grades. All analyses of data from participants' coursework will be conducted after the

course is over and final grades are submitted. The Eberly Center may provide support on this

mission is to support the professional development of all CMU instructors regarding teaching

and learning. To minimize the risk of breach of confidentiality, the Eberly Center will never

have access to data from this course containing your personal identifiers. All data will be

identifiers. If you have questions pertaining to your rights as a research participant, or to

report concerns to this study, please contact Chad Hershock (<a href="mailto:hershock@andrew.cmu.edu">hershock@andrew.cmu.edu</a>).

Due

1:25pm to 2:55pm

1:25pm to 2:55pm

due by 11:59pm

due by 11:59pm

analyzed in de-identified form and presented in the aggregate, without any personal

**Details** 

research project regarding data analysis and interpretation. The Eberly Center for Teaching

Excellence & Educational Innovation is located on the CMU-Pittsburgh Campus and its

Software Project Wed Jan 19, 2022 1:25pm to 2:55pm Management Software Project Mon Jan 24, 2022 1:25pm to 2:55pm Management Software Project Wed Jan 26, 2022 1:25pm to 2:55pm Management Software Project Mon Jan 31, 2022 1:25pm to 2:55pm Management Software Project Wed Feb 2, 2022 1:25pm to 2:55pm Management **Software Project** Mon Feb 7, 2022 1:25pm to 2:55pm Management Software Project Wed Feb 9, 2022 1:25pm to 2:55pm Management Software Project Mon Feb 14, 2022 1:25pm to 2:55pm Management

Management Wed Feb 23, 2022

Wed Feb 16, 2022

Mon Feb 21, 2022

**Course Summary:** 

**Date** 

**Software Project** 1:25pm to 2:55pm Management **Software Project** Mon Feb 28, 2022 1:25pm to 2:55pm Management Software Project Wed Mar 2, 2022 1:25pm to 2:55pm Management Assignment 1 - Early Thu Jan 26, 2023 due by 11:59pm Planning **Quiz 1 - Early Decisions** Fri Jan 27, 2023 due by 11:59pm PeerEvaluation-A1

Software Project

**Software Project** 

Management

due by 11:59pm Sat Jan 28, 2023 Exercise 1 - Early Planning due by 11:59pm Assignment 2 - Estimating Thu Feb 2, 2023 due by 11:59pm **Quiz 2 - Estimation** Fri Feb 3, 2023 due by 11:59pm PeerEvaluation-A2 due by 11:59pm Sat Feb 4, 2023 Exercise 2 - Estimating due by 11:59pm Thu Feb 9, 2023 Assignment 3 - Scheduling due by 11:59pm **Quiz 3 - Scheduling** Fri Feb 10, 2023 due by 11:59pm PeerEvaluation-A3 due by 11:59pm

Sat Feb 11, 2023 Exercise 3 - Scheduling due by 11:59pm Thu Feb 16, 2023 Assignment 4 - Tracking due by 11:59pm **Quiz 4 - Tracking** due by 11:59pm Fri Feb 17, 2023 Sun Feb 19, 2023 Assignment 5 - Rogue Pilot due by 11:59pm PeerEvaluation-A4 due by 11:59pm

Sat Feb 25, 2023 Exercise 4 - Agile Planning due by 11:59pm and Tracking Quiz 5 - Risk Management due by 11:59pm Tue Feb 28, 2023 Capstone Exercise due by 11:59pm

PeerEvaluation-A5

Exercise 5 - Risk

Management

Fri Mar 3, 2023

**Collaborations** 

 $\leftarrow$