

ENGR 530: Overview of Systems Engineering Processes

Syllabus

Spring Semester, 2020

Instructor: Dr. James Cale

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Prerequisites¹

- Working knowledge of undergraduate communications principles and statistics
- Can be fulfilled by: ECE 303/STAT 303 (Introduction to Communications Principles) or STAT 315 (Statistics for Engineers and Scientists)
- Undergraduate engineering mathematics, including calculus and linear algebra

Required Text

B. Blanchard and W. Fabrycky, *Systems Engineering and Analysis, 5th ed.*, Upper Saddle River, NJ: Pearson Hall, 2011. ISBN: 9780132217354.

Meeting Location and Time

- Location: Clark A206, Fort Collins campus
- Time: Tuesday evenings, 5:15-8:10 PM (MST)

Grading Weights

Homework:	15%
Mid-term Exam:	40%
Project Presentation:	10%
Final Report (comprehensive):	35%

Homework Deadlines

All homeworks will be due at 5:00 PM (MST) on Tuesday evening before class.

Homework 1:	Session 3, Feb. 4th, 2020
Homework 2:	Session 5, Feb. 18th, 2020
Homework 3:	Session 7, Mar. 3rd, 2020
Homework 4:	Session 11, Apr. 7th, 2020
Homework 5:	Session 13, Apr. 22nd, 2020

¹Contact the instructor if you have questions on the prerequisites or need approval based on other coursework.

Exam Deadlines

All exams and/or reports are due at 11:59 PM (MST) on the dates shown below.

Mid-term Exam: Mar. 13th, 2020

Final Report: May 15th, 2020

Final Project Presentation

All final project presentations will be due by 11:59 PM on Apr. 26th, regardless of which day you are presenting. No late presentations or edits to your presentation will be accepted after the due date. The date on which you will deliver your project presentation will either be during Session 14 or 15.

Policy on Late Homework/Report Submissions

No late homework will be accepted after the deadline.

Projects/Presentation Teams

Your final report and final presentation will be group assignments. You will have an opportunity to choose your team members and select a group leader for your team; if you neglect to choose a team and/or leader by the deadlines, they will be selected using a random assignment algorithm.

The deadline for choosing teams/leaders for your final project and presentation will be due the week after mid-terms.

Teaching Assistant Office Hours

- Location: Room GA321, Desk 133, Scott Building, Fort Collins campus
- Times: 1:00–2:00 PM, Tuesday & Thursday

Professor Office Hours²

- Teleconferences via Zoom can be scheduled by appointment.

²Messaging through Canvas or email is typically the best (fastest) way to obtain answers to most questions.