

# Department of Engineering, De Anza College

## ENGR D010-54: Introduction to Engineering

Instructor: Sathish Manickam, Ph.D  
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Schedule: TTh 06.30-10.15 PM, S48, On Campus Only  
Office Hours: M/W, 8.30-10.00 PM, Online, By appointment ONLY (on Zoom)  
Course Materials: MyPortal/Canvas

### Administrative Announcements

- 4.5 Units, Hours: Weekly Lecture Hours: 3; Weekly Lab Hours: 5
- General Education Status: Non-GE
- Credit Status: For Credit
- Grading Method: Letter Grade
- Prerequisites (Advisory): EWRT D211. and READ D211., or ESL D272. and D273

### Course Description (From the Schedule of Classes)

This course is an introduction to engineering design through a variety of team projects, including experimentation, data analysis, and the development of computer skills. Students will be exposed to several engineering disciplines through project design and problem solving for the purpose of providing information to assist them in choosing a major.

### Text(s)

- Eide, A.R., et. al, 2023, Engineering Fundamental and Problem Solving, McGraw-Hill, NY (Primary Text)
- Oakes, W.C., et. al, 2018, Engineering Your Future, Oxford University Press, NY (Secondary)

If you wish to follow any other book of similar content, please talk to me first.

### Course Policies

- Academic Integrity Policy: <http://www.deanza.edu/studenthandbook/academic-integrity.html>
- Campus Policy on Disability: <http://www.deanza.edu/dss/index.html>
- Grading Policy (subject to change with due notification)  
A+ (100.0-95.0) A (94.9-90.0) A- (89.9 - 85.0) B+ (84.9-80.0) B (79.9-75.0)  
B- (74.9-70.0) C (69.9-60.0) C-(59.9-55.0) D (54.9-50.0) F <50

### Other Useful Information

1. This course is highly interactive. To be successful, you must read ahead, attend all classes, participate in discussions in class and work on the assignments and projects.
2. De Anza offers a broad range of programs and services to help you succeed through peer advising, tutoring and more. Make use of the opportunities available to you.
3. Emails from students are always welcome. I will reply back within 24 hours.

**Student Learning Outcome(s):**

- Analyze, graph and develop a formula for a given data set.
- Prepare and write technical specifications and documentation, and be able to orally present them.
- Work collaboratively on an engineering team.

**Office Hours:**

M,W 08:30 PM 10:00 PM Zoom,By Appointment Zoom