

Introduction to Circuit Analysis (ENGR D077 – Section 65R)

De Anza College Fall 2023

Ali Saeidi Ashtiyani

Lectures:

Wednesday - Friday 6:00 PM - 7:15 PM

Classroom:

Online

In case of a Zoom Meeting:

Join Zoom Meeting

<https://fhda-edu.zoom.us/j/91491434285?pwd=aFFzUi9uUnpKUmVucUJoc0c5WExPdz09>

Meeting ID: 914 9143 4285

Passcode: 595822

Google Classroom:

<https://classroom.google.com/c/NDg0MzI3ODUxMjQz?cjc=w4jdpvo>

Office hours:

Join Zoom Meeting

<https://fhda-edu.zoom.us/j/3467678407>

Meeting ID: 346 767 8407

Email: saeidiashtiyaliani@fhda.edu

Course objectives

1. **Conceptual Mastery:** Demonstrate a comprehensive understanding of key machine learning concepts, including supervised and unsupervised learning, training and test datasets, model evaluation metrics, and bias-variance trade-offs.
2. **Technical Proficiency:** Apply appropriate machine learning algorithms and tools to real-world data sets, ensuring data preprocessing, feature extraction, and model optimization are performed to industry standards.
3. **Research & Innovation:** Critically analyze current research and trends in the field of machine learning, identifying potential gaps and areas for further exploration or improvement.
4. **Project Management:** Efficiently manage a machine learning project from conception to conclusion, utilizing effective project management tools and methodologies to ensure timely completion and high-quality outcomes.
5. **Ethical Considerations:** Recognize and address potential ethical concerns associated with machine learning applications, ensuring fairness, transparency, and respect for privacy in all project implementations.
6. **Collaborative Skills:** Work effectively in teams, leveraging diverse perspectives and skills to achieve optimal project outcomes and foster interdisciplinary understanding.
7. **Communication Skills:** Effectively communicate complex machine learning concepts, methodologies, and findings to both technical and non-technical audiences through written reports, presentations, and interactive demonstrations.

Required Text Books

- N/A

Course Evaluation

Presentations and Reports 100%

And the overall course grade (letter-grade) will be assigned based on the distribution below:

- 100% to 94.5%: A
- 94.5% to 89.5%: A-
- 89.5% to 86.5%: B+
- 86.5% to 83.5%: B
- 83.5% to 79.5%: B-
- 79.5% to 74.5%: C+
- 74.5% to 69.5%: C
- 69.5% to 66.5%: D+
- 66.5% to 63.5%: D
- 63.5% to 59.5%: D-
- <59.5%: F

Americans with Disabilities Act:

If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with DRC to establish a record of their disability.

Student Learning Outcome(s):

- Investigate an area of special interest and demonstrate an appropriate level of understanding and expertise.

Office Hours:

TH	05:30 PM	06:30 PM	Zoom	By Appointment
TH	06:00 PM	07:00 PM	Zoom	https://fhda-edu.zoom.us/j/3467678407