**ECS017: Data, Logic, and Computing**

**Winter 2025**

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**Information sheet**

**Class Web page**: <https://www.cs.ucdavis.edu/~koehl/Teaching/ECS17/index.html>

Check here for announcements, handouts (pdf and ppt), recommended readings, quizzes, assignments, etc.

**Lectures:** MWF 3:10– 4:00 pm, TLC 3215

**Discussion**:

A01: W 12:10 – 1:00 pm, TLC 1218

A02: F 12:10 – 1:00 pm, Hoagland hall 168

**Office hours**: Mon and Fri 4:00 – 6:00 pm Kemper Hall, Room 3059; also by appointment (send me an e-mail)

**Contacts:** [koehl@cs.ucdavis.edu](mailto:koehl@cs.ucdavis.edu)

I answer to ALL e-mails. I do NOT guarantee however that I answer PROMPTLY…

**Attendance**:

* You are expected to attend lectures, and you are responsible for the material discussed in class.
* Discussions are optional but strongly recommended. I will be there, to discuss class materials

**Exams:**

There will be two midterms and one final.

**Grading:** 15% quizzes, 20% midterm 1, 30% midterm 2, 35% final.

**Course Description**:

1. Data: how do we communicate with a computer?
2. Computers: CPU and hardware
3. Logic
4. Methods of proof
5. Counting and permutations
6. Algorithms