

ECE 302: Syllabus

Prof Stanley Chan

School of Electrical and Computer Engineering
Purdue University



Course Website

<https://engineering.purdue.edu/ChanGroup/ECE302/index.html>

Google



“Stanley Chan Purdue”



ECE 302

Teaching Staff

Instructor

- Professor Stanley Chan
- MSEE 338
- Office Hour: By appointment

Head TA

- Kent Gauen
- Office Hour: Thursday 2-3pm. EE 134. In person.
- Virtual Office Hour: By appointment.
- Duty: Proxy of Prof Chan. Full authority to handle grade appeals.

UTA

- Akshat Bisht
- Pranav Karthikeyan
- Duty: Grade homework, answer Piazza questions.

Lecture + Recitation

Lecture

- Professor Chan
- MWF 11:30-12:20
- ARMS 1010. In person
- Recording will be made available:
 - BoilerCast: after 24 hours;
 - Edited Video: after 72 hours.

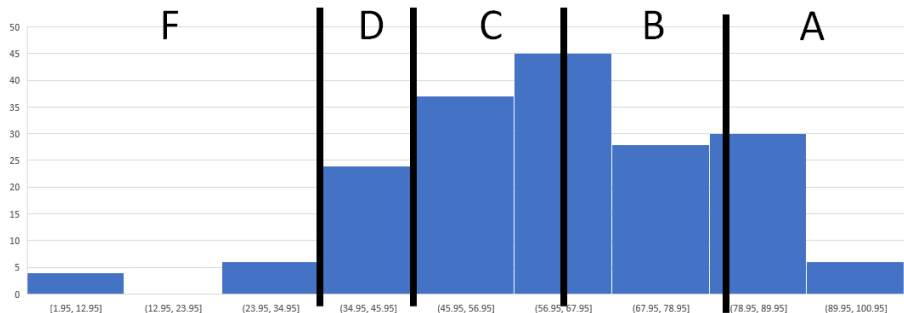
Recitation (Optional)

- Kent Gauen (Head TA)
- Wednesday 6-7pm
- EE 222. In person
- No recording.

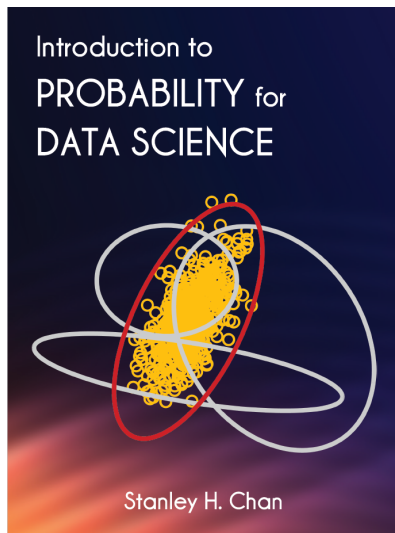
Grade Distribution

- Homework 30% (Worst one dropped)
- Midterm 1 + Midterm 2, 15% Each
- Final 40%

Fall 2020



Textbook



Homework

Submission:

- Gradescope
- No late homework is accepted
- If you work with another student, state it in the homework
- Always write in your own words
- We are serious about plagiarism. We will prosecute.

Homework hints:

- Course website → homework → hints
- Watch homework videos

Exam

Mid-terms:

- Midterm 1: Sep 30, 2022. In class, in person.
- Midterm 2: Nov 4, 2022. In class, in person.
- Closed book, closed note, no calculator.
- Formula sheet will be given. (Check course website.)

Final:

- Date: TBD
- Do not travel. We had a Saturday exam several years ago.
- Closed book, closed note, no calculator.
- Formula sheet will be given. (Check course website.)

DRC:

- Submit your accommodation letter through myPurdue.
- Submit exam request at least ONE WEEK before the exam.
- Go to DRC and take the tests.
- We will not entertain late requests.

Contact

Post your questions on **Piazza** for

- Everything about homework
- Course logistics
- Deadline inquiry
- Discussion of exam problems

Contact **Head TA Kent** for

- Grade appeal
- Exam arrangement (due to unanticipated event)
- Late homework (due to unanticipated event)
- Progress discussion (e.g., probation assessment)

Contact **Professor Chan** for

- Urgent / important / private issues
- Professor Chan will not override grade decisions made by Kent.

Syllabus/Lecture Topics

These can be found in the dynamic calendar on the course website

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ECE 302: Probabilistic Methods in Electrical and Computer Engineering

Fall 2022
Professor Stanley H. Chan

Lecture: MWF 11:30am-12:20pm, ARMS 1010
(I will record the lectures to the best of my capability. BoilerCast should have it in 24 hours. Edited video will be up on YouTube in 72 hours.)

Recital: W 6-7pm, EE 222, in-person
(Will be hosted by teaching assistant. No recording.)

Teaching Staff

Instructor: Professor Stanley H. Chan
Email: stanchan@purdue.edu
Office Hour: By appointment

Teaching Assistant: Kent Gauen
Email: gauenk@purdue.edu
Office Hour: Th 2-3pm, EE 134, in-person

Schedule

[Course Overview 2022](#)

[Ten Mistakes when Learning Probability](#)



ECE 302 Fall 2022 Schedule : Sheet1

Date	Topic	Chapters	Instructor	Note	Homework	Recital by Kent
22-Aug	Geometric series, approximation	1.1, 1.2	SC			
24-Aug	integration, combinatorics	1.3, 1.5	SC			Review on Python
26-Aug	Probability = measure of the size of a	2.1	SC			
29-Aug	Set theory	2.2	SC			
31-Aug	Law and axioms	2.3	SC			HW1 Help
2-Sep	Conditional + independence	2.4	SC		HW 1 due	
5-Sep	No class		No class	Labor Day		
7-Sep	Law of total probability / Bayes theorem	2.5	SC			HW2 Help

Absence

We will follow the university's Medically Excused Absence Policy

MEAPS joins **Grief/Bereavement, Military Service, Jury Duty, and Parenting**

Leave as specific attendance and excused absence situations with university-defined procedures and instructor/student expectations.

"The intention of this policy is to afford arrangements to students experiencing serious and short-term medical situations which cause them to miss coursework and/or exams."¹

Only **emergent** and **urgent** medical situations are covered. Emergent medical issues are those that pose a threat to loss of life or limb. Urgent medical issues are less severe than emergent but cannot wait to be evaluated.

"This regulation is not intended to provide extended arrangements for chronic medical conditions. Students experiencing a **chronic condition or diagnosis** may have their initial absences accommodated, but long-term periods of absences will need to be addressed through students registering with the Disability Resource Center (DRC)."¹

Excuses **will not be provided for primary care medical**

appointments such as overall wellness and general behavioral health care, occasional vomiting and/or diarrhea, cold and flu symptoms, mild fevers, mild to moderate discomfort, sore throat, etc. These situations are considered general attendance issues that should be handled according to the instructor's course-specific practices.

Instructors will NOT need to determine eligibility and should NOT collect medical information from students. Please refer students who believe they may be eligible for MEAPS to the [Office of the Dean of Students \(ODOS\)](#).

Absence due to **COVID-19 quarantine or isolation** will continue to be handled separately from MEAPS, as it has been since Fall 2020, via COVID absence notifications.