ECE 302 Probabilistic Methods in ECE

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Fall 2020
ECE 302 Probabilistic Methods in Electrical and Computer Engineering
Sessions: 30200-001 (lecture), 30200-003 (lecture), 30200-004 (distant learning)
CRN: 17728, 17104, 25619

Course web page: https://engineering.purdue.edu/ChanGroup/ECE302/

Piazza: http://piazza.com/purdue/fall2020/ece302

Brightspace: All students should go to 30200-001 to read announcements

Gradescope: All homework should be submitted to Gradescope
Information about the Instructor(s)

Prof Stanley Chan
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Prof Saul Gelfand
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Prof Mary Comer
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Email: pkashya@purdue.edu

Homework questions should be posted on Piazza:
http://piazza.com/purdue/fall2020/ece302
Lectures

Available here: https://engineering.purdue.edu/ChanGroup/ECE302/

Applies to everyone

Watch them all
Recitations: Overview

- Explanation of concepts
- Examples
- Applications
- Anything not covered in Lecture

- Recitations are complementary to Lecture. They do not replace lecture.
- Recommend:
  - Once a week.
  - Welcome to attend more.
Recitations: Residential Students

• Look at which group you belong to

<table>
<thead>
<tr>
<th>Session</th>
<th>Last Name</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>003-LEC</td>
<td>A–K</td>
<td>W</td>
<td>3:30-4:20pm</td>
<td>PHYS 223</td>
</tr>
<tr>
<td>003-LEC</td>
<td>L–Z</td>
<td>F</td>
<td>3:30-4:20pm</td>
<td>PHYS 223</td>
</tr>
<tr>
<td>001-LEC</td>
<td>A–L</td>
<td>Tu</td>
<td>3-4:15pm</td>
<td>MSEE B012</td>
</tr>
<tr>
<td>001-LEC</td>
<td>M–Z</td>
<td>Th</td>
<td>3-4:15pm</td>
<td>MSEE B012</td>
</tr>
</tbody>
</table>

• Check each week. Your slot might be online.
Recitations: Online Students

- You can attend any of the online recitations
- Pick the time that works for you
- Online is live
- We will not record online meetings

- URL: See Brightspace
Recitations FAQ

• Are all recitations identical?
  • No. They are run by different faculty.
  • Your professor / TA will decide what to cover
  • You can suggest

• Is it enough to go to recitations only?
  • No. The main lectures are pre-recorded videos
  • You need to watch these lecture videos

• Can I attend another recitation?
  • Yes. All online recitations are open to all
  • In-person recitations are restricted to designated groups

• How many recitations do I need to attend?
  • Up to you.
Example

I am in this session

- Session 003-LEC Last Name A – K W 3:30-4:20pm PHYS 223
- Session 003-LEC Last Name L – Z F 3:30-4:20pm PHYS 223
- Session 001-LEC Last Name A – L Tu 3-4:15pm MSEE B012
- Session 001-LEC Last Name M – Z Th 3-4:15pm MSEE B012

I need to go here

- 9am Gelfand (online)
- 10am Office Hour (Zhong)
- 2pm Office Hour (Gelfand)
- 3pm Comer (online)
- 3pm Comer (in-person)

I want to learn more, so I also attend these. These are optional to me.
Office Hours

- Office hour every day
- All online
- URL / Password: Available in Brightspace
• All homework related questions should go to Piazza
Homework

All homework should be submitted to Gradescope

- Print out, write, and then scan. (Recommended)
- Can use stylus pen.
- Homework 0 is up
Grade

- Curved
- 10% Homework
- 25% Midterm 1
- 25% Midterm 2
- 40% Final Exam

Coarse grading

3: Correct / Almost correct
2: Partially correct
1: You hand in something, but bare minimum
0: Do not hand in / Close to nothing
Midterm Exams

• Date: 9/30 (Wednesday)
• Date: 11/11 (Wednesday)

• Time Zone 1: 9am-10:30am Eastern Time
• Time Zone 2: 7pm-8:30pm Eastern Time

• Fill up the survey. See Homework 0.

• DRC Students:
  • Residential: We will arrange your exam at DRC
  • Online: We will contact you
<table>
<thead>
<tr>
<th>10 minutes before exam</th>
<th>Please sign in to your corresponding Zoom session. Your proctor will be there. Please share your screen. You will be given a URL to access the exam questions. However, the exam questions will be password protected.</th>
</tr>
</thead>
<tbody>
<tr>
<td>When exam starts</td>
<td>The proctor will release exam password through Zoom chat. You may start writing your exam answers.</td>
</tr>
<tr>
<td>During the exam, if you have questions</td>
<td>You may ask the proctor through private messaging in Zoom.</td>
</tr>
<tr>
<td>After 60 minutes of the exam</td>
<td>Please stop writing, and take the time to upload your answers.</td>
</tr>
<tr>
<td>When uploading exams</td>
<td>Please scan and upload to Gradescope. Your proctor will tell you whether we have received your answers. Please make sure to get a receipt from the proctor before you leave. If there is any unexpected events happening during the uploading process, you can upload the exams to filelocker and share with the proctor.</td>
</tr>
</tbody>
</table>
Examples of cheating:

- Sharing information during exam, including through online communication channels;
- Using forbidden material or device during exam;
- Viewing and/or working on an exam before or after the official time allowed;
- Requesting a re-grade of work that has been altered;
- Submitting work that is not your own.

If you work with another student on a homework, you must acknowledge the person(s) by writing their names on your submission. Regardless if you have worked with another classmate, you must write your own solution. “Write your own solution” means you write in your own words, write your own program, make your own plots. If we see two identical homework, both parties will receive zero.

Cheating in homework and exams will receive penalties including, but not limited to, partial or no credit for the respective work, and / or failing the course.

All cases of academic dishonesty will be reported to the Office of Student Rights and Responsibilities, and will result in punishment. Possible punishments include, but are not limited to, a score of zero on work related to the cheating incident, a failing grade for the course, and, in severe cases, expulsion from the university.
Schedule of class

Our online and in-person schedules are subject to change
About this course

Goal:
- What is probability?
- How to bridge theory and practice?

We will teach you these

You are here now
Why this course?
Questions?