

# Statistics 511 Summer 2018

**INSTRUCTOR** Dr. Piyas Chakraborty

**OFFICE** MATH 512

**EMAIL** chakrabp@purdue.edu

## **COURSE WEB PAGE**

<http://www.stat.purdue.edu/~chakrabp/511.htm>

Announcements, lecture notes, homework solutions are posted on the above webpage. Homework problems are scanned and posted there as well, to make sure everyone works on the same set of problems.

## **CLASS MEETS**

MTWThF 11am-12pm (CRN 13985) and 1pm-2pm (CRN 13984) at REC 308.

## **OFFICE HOURS**

I hold office hours on Thursdays from 4pm to 5pm in MATH 512. If you need to see me outside regular office hours for any reason, please email me and I will try to accommodate you.

If you have any question about the homework grades, please directly email your TA: Mr. Xiang Lyu (email: [lyu17@purdue.edu](mailto:lyu17@purdue.edu)) for the 11am section and Ms. Qingyi Gao (email: [gao424@purdue.edu](mailto:gao424@purdue.edu)) for the 1pm section.

The TA's also hold office hours on Fridays from 3pm to 4pm in the STAT help room (HAAS 115).

## **COURSE DESCRIPTION**

Statistics 511 is a comprehensive introduction to probability and statistical methods for students in engineering and science. It provides a strong foundation for more advanced statistical courses. The emphasis is on the understanding of basic ideas, theories and methodologies. No statistical software packages are required in this course, although their outputs will be used to facilitate teaching and learning occasionally.

## **PREREQUISITE**

A year of calculus at the level of MATH 162.

## **TEXT**

*Devore, Probability and Statistics for Engineering and the Sciences, 9th Edition, Cengage Learning 2015*, Required. (WebAssign online account is not required.)

## **MATERIAL COVERED**

Chapters 2-12.

## **GRADES**

Your letter grade will be based on four components (subject to change):

- Attendance/Quizzes - 10%
- Homework - 20%
- Midterm Exam - 35%
- Final Exam - 35%

The percentage grades needed to achieve the letter grades A, B, C, or D will follow **approximately** the following scale: 90 - 100 = A, 80 - 89 = B, 70 - 79 = C, 55 - 69 = D, 0 - 54 = F. The minimum score needed for a given letter grade could be lowered if necessary but will not be raised. The minimum scores for assigning **pluses and minuses** will occur at **approximately** 3-point increments.

## **HOMEWORK**

Homework assignments will be assigned every Friday, and will be due next Friday in class. Please bring a hard copy to the class, or drop it in my mailbox in MATH 533 by 5pm on Fridays (if you can't make it to the class). The room is closed at 5pm. Late submissions will not be graded. The homework with the lowest grade will be dropped.

## **EXAMS**

Midterm exam will be held on 07/09 from 8pm to 10pm at MATH 175. Date, time and location of the final exam will be announced on MyPurdue.

## **CAMPUS EMERGENCY**

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Here are ways to obtain information about the changes in this course.

- Purdue homepage: <http://www.purdue.edu>
- Sign up for Purdue Emergency Alerts