

STA 381  
INTRODUCTION TO ENGINEERING STATISTICS  
Spring Semester, 2011  
Tue and Thurs 9:30 AM - 10:45 AM  
Room CP320  
<http://polytopes.net/courses/STA381S11/>

Instructor: Ruriko Yoshida  
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Office hours: Tue Thurs 11:00 AM - 11:50 AM  
Text: Mendenhall and Sinich,, *tatistics for Engineering and the Sciences*, 5th Edition,

## Course Policies

**Overview:** Probability; population and sample distributions; sampling; hypothesis testing; regression on one variable; quality control.

**Prerequisites:** MA 213 or equivalent.

### Technology Needed:

1. Each student should have a calculator, especially for exams. The alternative is to do these calculations by hand which would take a great deal longer.
2. Access to computer.

Technology Not Allowed During Exams/Exercises/Lab Exercises:

Any technology that can receive/transmit information wirelessly cannot be used and should be turned off. Examples include: Cellphones, PDAs with wireless/Bluetooth/IR capabilities, laptops/tablet PCs.

**Grading:** The following scale will be used to determine grades:

A	B	C	D	E
90–100	80–89	70–79	60–69	0–59

That is, a student getting a course percentage of at least 90 will get no lower than an A, a student getting a course percentage of at least 80 and less than 90 will get no lower than a B, etc. The final grade for this course will be based on homework/lab exercises/attendance, two exams, and a cumulative final exam. Here is what each component is worth:

Weekly Homework Assignment	30%
Midterm Exam on date February 17th	20%
Midterm Exam on date April 7th	20%
Final Exam on May 3rd, 2011 at 8:00am	30%

**Exams:** This course has two midterm and final exams. Midterm exams are scheduled for Thurs February 17th and Thurs April 7th. The cumulative final exam will be on May 3rd, 2011 at 8:00am. Make-up midterm exam will be allowed only in extreme circumstances and are subject to proper documentation. Unless it is an emergency situation, you need to notify me ahead of time either by phone or via email. It is the students' responsibility to check conflicts of exam dates (or any class activity) with religious holidays. If there is a conflict, you must notify the instructor in writing (email is fine) by the end of the second week of classes.

**Homework:** A weekly homework will be assigned on every Tuesday and will be collected on the next Tuesday.

**Lab Exercises:** Lab Exercises are typically based on the suggested homework and will be given during recitation. The emphasis will be on calculations and the use of formulas. Usually, the exercise will consist of 1 to 3 problems.

**Attendance:** Consistent attendance is strongly recommended. Each student is responsible for obtaining all material missed when absent.

**Syllabus:** The syllabus will be followed closely, but it is subject to changes.

**Cellphones:** Cellphones need to be turned off during class time and exams.

<b>Schedule:</b>	Weeks	1 – 5	Chapter 1 – 4
		6 – 10	Chapter 5 – 7
		11 – 15	Chapter 8 – 10 [15]