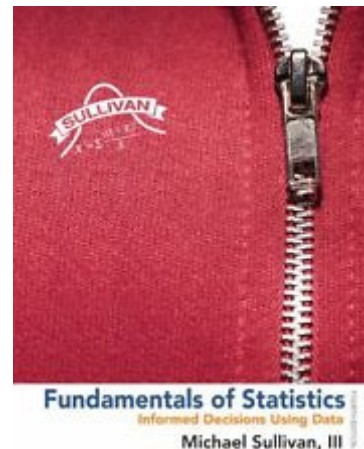


Math 106: Elementary Probability & Statistics Spring 2014 Syllabus

Section 5: MWF 1:00-1:50 PM Jones Hall 301

Instructor: Anke van Zuylen
Office: Jones Hall 125
Phone: ext. 2036
Office Hours: TR 1:30-3pm
Email: anke@wm.edu



Text: *Fundamentals of Statistics (4th Edition)*, Mike Sullivan III (Pearson Prentice Hall)

Course Description:

This course is an introduction to the basic concepts and procedures behind probability and statistics. Some of the topics covered are descriptive statistics, experimental design, regression, probability, discrete random variables including the binomial distribution, the normal distribution, confidence intervals, hypothesis tests for a single parameter, inference on two samples and the chi-square distribution to test goodness-of-fit and independence.

This course fulfills GER 1 requirement. Therefore, the content must meet the following criteria:

- ✓ Involve numerical calculations;
- ✓ Include mathematical justifications explaining why the approaches and calculations used in the course actually work;
- ✓ Include applications of mathematics to real-world settings or to disciplines other than mathematics.

Course Policies:

- Regular attendance and class participation are expected. This includes the expectation that **the use of computers and cell phones for personal or recreational purposes is not permitted** during class time.
- A calculator is necessary for this course. A graphing calculator is ideal, but not required. TI-83/84 user instructions are included in both the textbook and the lectures.
- Grades and course materials will be posted regularly on Blackboard.
- Homework exercises for each chapter are available on blackboard. These exercises will not be graded, and they are generally not discussed in lecture. Many of the quiz and test problems either come from the homework or are similar to the homework problems. It is your responsibility to make sure you are able to complete these exercises. The instructor is always available for help during office hours or by email.

Grading:

- ✚ Quizzes will be given *every Monday* (unless announced otherwise). **No make-up quizzes will be offered for any reason. However, the lowest quiz grade will be dropped.**

✚ Two in-class exams are tentatively scheduled for **Monday, February 24th & Monday, March 31st**

✚ The final exam for this course will be **Friday, May 2nd from 9-noon.**

✚ Final course grades will be determined by the following formula

$$\text{Max} (0.2*Q+0.2*M_1+0.2*M_2+0.4*F, 0.25*Q+0.25*M_1+0.25*M_2+0.25*F, 0.3*Q+0.2*M_1+0.2*M_2+0.3*F)$$

Where Q = your average quiz grade

M₁ = your midterm 1 grade

M₂ = your midterm 2 grade

F = your final exam grade

Grading Schema:

▪ 94.00 - 100.00	A
▪ 90.00 - 93.99	A-
▪ 87.00 - 89.99	B+
▪ 84.00 - 86.99	B
▪ 80.00 - 83.99	B-
▪ 77.00 - 79.99	C+
▪ 74.00 - 76.99	C
▪ 70.00 - 73.99	C-
▪ 67.00 - 69.99	D+
▪ 64.00 - 66.99	D
▪ Under 63.99	F

Some Campus Resources:

❖ Tribe TutorZone

- Low-fee tutoring services in many subjects.
- Seven days a week in Swem Library, first floor.
- A 55-minute tutoring session fee is \$10.00, charged to your student account.
- 48-hours advance notice is needed for an appointment to be arranged.
- Schedule a session here:

<http://www.wm.edu/offices/deanofstudents/services/academicsupport/tutors/schedulesession/index.php>

❖ Counseling Center

- Offers mental health services to students wanting help with personal concerns.
- Consultation to friends, faculty, and parents/guardians concerned about a student in distress.
- You can use services at no charge by calling for an initial assessment appointment.

<http://www.wm.edu/offices/counselingcenter/students/index.php>

	Score 1	Score 2	Score 3
Quizzes (approx. 10 in total)	20%	25%	30%
Midterm exams	2 * 20%	2 * 25%	2 * 20%
Final exam	40%	25%	30%