

Professor: Dr. Thomas Fisher

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Office Hours: Tuesday and Thursday, 3:00-4:00pm and by appointment

Personal Web Site: <http://f.web.umkc.edu/fishertho/>

Class Materials: Textbook, notes and Calculator.

Text: Introductory Statistics 7th Edition by Prem S. Mann

Course Outline and Prerequisites: An introduction to descriptive and inferential statistics. Organization and presentation of data, averages and variations, elementary probability, random variables, special discrete distributions, normal distributions, sampling distributions, point estimation, confidence intervals, and hypothesis testing. Credit will not be given for both STAT 235 and STAT 236. Prerequisite: 4 units high school math or MATH 110. A student has to take the STAT 235 Entrance Test with a passing score of 15 (out of 25).

Topic Outline: Graphical and tabular descriptive techniques, graphical presentation, numerical descriptive techniques, probability, random variables, probability distributions, sampling distributions, estimation, hypothesis testing in single and dual populations studies, one-factor ANOVA, linear regression, other topics if time permits.

Exams: Two in class exams will be given (each worth 20%) and a cumulative final exam (worth 30%). Dates:

Exam 1 – in class Wednesday Feb 20 (*tentative*)

Exam 2 – in class Wednesday Apr 10 (*tentative*)

Common Final Exam – Saturday, May 11, 8:00 a.m.-10:00 a.m.

Exams will be closed book; a basic or scientific calculator will be permitted.

Final Exam will be cumulative and a one-page formulae/note sheet will be allowed.

Homework, Quizzes & Computer Assignments: Homework and quizzes will be given throughout the semester and will count as 25% of your final grade. I expect to give about 7 graded homework assignments (subject to change). Quizzes may be given periodically. Some small computer project(s) will be assigned during the semester based on the material in homeworks and covered in class.

Attendance Policy: The pace of this class is such that it will not be advisable to miss any sessions. If you know you will be absent, please inform me in advance. When you are absent, it will be your responsibility to contact another student for the notes and announcements. While attendance does not factor into your grade, I will often take attendance for my own records.

You are expected to be an active participant for the entire 75-minute class. Indications that this is not happening include sleeping, surfing the web or instant messaging on your laptop, text-messaging on your cell-phone, studying for another class, etc. Please turn your cell phone to silent before class.

Students are expected to wait quietly for 15 minutes after class is scheduled to begin. If I have not yet appeared, you are free to leave.

Letters of Accommodation: If you have a letter stating specific testing accommodations to which you are entitled, please come by my office to discuss the accommodations that you will need and to give me a copy of the letter. Even if you do not anticipate using any accommodations, it is a good idea to turn in the letter as soon as possible. *Please note that unless I have at least one week's notice I will be unable to provide any accommodation on an exam*

Student Code of Conduct and useful resources: Any violation of the *Student Code of Conduct* will not be tolerated. This includes cheating, plagiarism, storing information in a calculator, sabotage of another's work, disrupting class. See the below website for a complete listing of the student code of conduct. All violations will be handled in accordance with established procedures and policies concerning student academic responsibility.

Academic Dishonesty: <http://www.umkc.edu/provost/policies/academic-integrity-dishonesty-and-plagiarism.pdf>
and http://www.umkc.edu/catalog/Academic_Honesty.html

Sexual Harassment/Discrimination: <http://www.umkc.edu/provost/downloads/harassment-statement.pdf>

Grade Appeals: http://www.umkc.edu/catalog/Procedure_for_Appeal_of_Grades.html

Writing Center: <http://cas.umkc.edu/writingcenter/>

Services for Students with Disabilities: <http://www.umkc.edu/disability/>

A&S Life Coach: aslifecoach@umkc.edu (816)235-1446

Final Grades: At the end of the semester, the final grades will be compiled using the most favorable of the two methods shown below:

Instrument	Method I
Graded Homework/Quizzes	25%
Computer Assignment	5%
2 midterms, each 20%	40%
Cumulative Final Exam	30%
Total	100%

Grades will be assigned based on the follow:

Percentage	Grade
[90, 100)	A
[87, 90)	A-
[84, 87)	B+
[80, 84)	B
[77, 80)	B-
[74, 77)	C+
[70, 74)	C
[67, 70)	C-
[64, 67)	D+
[60, 64)	D
[57, 60)	D-
[0, 57)	F