Stat 516 : Statistics II  
Spring, 2015

Instructor: DAEYOUNG KIM  
Office Hours: Tuesday 1:30 p.m. – 3:30 p.m., 
LGRT 1434  
Thursday 1:30 p.m. – 3:30 p.m. 
Email: daeyoung@math.umass.edu 

Lecture:  
Tuesday and Thursday 10:00 a.m. - 11:15 a.m. Lederle Grad Res Tower Rm 171

Web Page:  
Such materials as lecture notes and homework assignments will be posted 
on http://www.math.umass.edu/~daeyoung/Stat516

Required Text: 
Mathematical Statistics with Applications(7th Edition), 
D. D. Wackerly, W. Mendenhall and R. L. Schaeffer

Prerequisites: 
Math 131, 132, 233 (univariate calculus covering both differentiation and integration 
for single variables, multiple integration and partial derivatives), and Stat 515.

Course Description: 
Coverage includes the central limit theorem, sampling distributions, 
basic theory of point and interval estimation, hypothesis testing; 
development in one and two sample problems, linear regression, 
and some topics out of the one-way analysis of variance.

Required Work:  
The required work for the course will consist of homework 
assignments, 5 in-class attendance quizzes, a midterm exam and a final exam.

Grading: 
The final course grades will be based upon: 
Homework 35 % 
Midterm 25 % 3/12/2015 (in class) 
Final (comprehensive) 35 % 5/4/2015 (8:00AM - 10:00AM) 
Performance 5 % Five attendance quizzes 

[Note] If one does not take all five attendance quizzes, one might not 
get 5% performance scores.

The lower cut-off points for the grades are:

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Homework: 
Homework is due at the begining of class on the due date. 
No late hw will be accepted, as the solutions of the assignments will be posted 
on the course website after each due date. 
Unreadable work, scratching out, etc. will not be graded. 
The homework can be discussed with your classmates but you have to turn in your own hw. 
Your work will be evaluated on the method of solution and the ability to apply 
concepts, rather than the numeric answer to the problem. 
As the numeric answers to some hw questions may be found at the end of the book, 
you will not receive credit unless you show your work.
Exam: For both the midterm and final exams, you are allowed to bring one, 8.5x11(letter size) double-sided formula sheet. You are responsible for taking the final exam at the time it is scheduled by the University. Do not make travel plans that may conflict with the final date before knowing when the exam is scheduled for.

Course Policies:

1. If you have a University-approved conflict with any of the exams, you must let me know at least one week before the exam. A conflict exam will be scheduled to take place just before or just after the regularly scheduled exam.

2. Make-up exams will only be given for legitimate, documented reasons (e.g., serious illness, injury, or death in the family) and with approval before the exam occurs.

3. Attendance to each class meeting is required and beneficial. Students are responsible for all announcements and supplements given within each lecture and/or via course email.

4. Any objections to the homework grading, the midterm or final grading should be directed to the instructor. All requests will be considered by the instructor and the student will be notified if a grade change occurs.

Add & Drop: Last day to add/drop a course with no record is scheduled 02/02/2015.

Late Drop: Last day to drop a course with “W” is scheduled 03/05/2015.