

Stat516.3 STATISTICS II (course#19135)
MoWeFr 12:20PM - 1:10PM, Spring 2015, Goessmann Lab. Addtn room 51
Course Website: <http://www.math.umass.edu/~hsieh/stat516.3>

Instructor: Professor H. K. Hsieh (“Shay”)
Office: LGRT 1444; Office phone: 545-1796; Cell-phone: 665-0050
e-mail: huikhsieh@gmail.com

Textbook (required): Mathematical Statistics with Applications, 7th Edition, by Wackerly, Mendenhall and Schaeffer, Brooks/Cole, 2008 [Note: try to avoid purchasing other kind of version, e-book, old version or international version, as problem numbers may be different from our official copy.]

Course requirements: Students are expected to attend all classes if possible. HW 20% , Test I & II 15% for MIn(I,II) and , 25% for Max(I,II), Final Exam 40%. **Grade:** A(94-100), A-(90-93), B+(86-89), B(81-85), B-(78-80), C+(75-77), C(71-74), C-(66-70), D+(61-65), D(56-60), F(0-55)

Course Description:

Basic ideas of point and interval estimation and hypothesis testing; one and two sample problems, simple linear regression, topics from among one-way analysis of variance, discrete data analysis and nonparametric methods. Prerequisite: Statistic 515 or equivalent.

[Note: Because this course presupposes knowledge of basic math skills, it will satisfy the R1 requirement upon successful completion.]

Home Work Sets Requirements:

- Write or type on 8x11 size paper.
- Write “**S516.3**” and your **name** on top of the first page.
- Write problem number (subnumber) for each problem and explain solutions if not trivial.
- Staple up the set of papers.
- Home work set must be turned in by due date; 20% off if turned in 2nd day, and no point thereafter.

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