STA 3032 Engineering Statistics **Summer B 2018**

Instructor:	John Seppala 116A Griffin-Floyd Hall jseppala@ufl.edu 352-273-2971 MTWR 11:00am-12:30pm
Teaching Asst.:	Zhumengmeng Jin 234 Griffin-Floyd Hall z.jin@ufl.edu MT 3:30pm-5:00pm, WR 4:00pm-5:00pm
Class:	Section 4718 L005 Turlington Hall MTWRF 9:30am-10:45am (Period 2)
Textbook:	*Probability and Statistics for Engineers and Scientists* (9e), by Walpole, Myers, Myers, and Ye. The e-book is available in Canvas.
Description:	A study of basic concepts in probability and statistics with engineering applications. Topics include descriptive statistics, probability, discrete and continuous random variables, interval estimation, hypothesis testing, analysis of variance, and linear and multiple regression. Credits: 3. Prerequisite: MAC 2311.
Assignments:	Twelve homework assignments will be submitted in Canvas. Assignments submitted late will not receive credit. Three exams will be given in class. Make-up exams will not be given, except in cases of extreme illness or emergencies.
Grading:	Homework 10 x 2.5% = 25% Exams 3 x 25% = 75% The standard 10-point grading scale (A=90-100, B=80-89, C=70-79, D=60-69, E=0-59) will be used.

Tentative Course Schedule:

Day	Chapter & Sections	Topic(s)
M Jul 2	1.1-7	Descriptive statistics
T Jul 3	2.1-7	Probability
W Jul 4		
R Jul 5	3.1-4	Random variables
F Jul 6	4.1-4	Properties of random variables
M Jul 9	5.1-5	Discrete distributions
T Jul 10	6.1-7	Continuous distributions
W Jul 11	8.3-7	Sampling distributions
R Jul 12	Review	
F Jul 13	Test #1	
M Jul 16	9.1-3,5,10	Confidence intervals-one proportion
T Jul 17	10.1-3,8	Hypothesis tests-one proportion
W Jul 18	9.11; 10.9	Inference for two proportions
R Jul 19	9.4,6; 10.4	Inference for one mean
F Jul 20	9.8; 10.5a	Inference for two means
M Jul 23	9.9; 10.5b	Inference for dependent samples
T Jul 24	9.12-13; 10.8,10	Inference for one or two variances
W Jul 25	10.11-13	Inference for categorical data
R Jul 26	Review	
F Jul 27	Test #2	
M Jul 30	13.1-3,6	ANOVA–completely randomized design
T Jul 31	13.7-9	ANOVA–randomized block design
W Aug 1	14.1-3	ANOVA–two factor with interaction
R Aug 2	11.1-4	Simple linear regression
F Aug 3	11.5-6,12	Simple linear regression inference
M Aug 6	11.8-10	SLR model selection and checking
T Aug 7	12.1-2,4-5	Multiple regression with inference
W Aug 8	12.6,8-10	MLR model selection and checking
R Aug 9	Review	
F Aug 10	Test #3	

Student Honor Code:

UF students are required to adhere to both the Student Conduct Code and the Student Honor Code, https://sccr.dso.ufl.edu/students/student-conduct-code/. On all work submitted for credit in this course, students will write and sign the Honor Pledge: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." Students are also bound by honor to report academic misconduct to the instructor.

Students with Disabilities:

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor in order for the accommodations to be implemented in the course.

Faculty Course Evaluations:

Students are expected to provide feedback on the quality of instruction in this course by completing a brief confidential evaluation near the end of the semester at https://evaluations.ufl.edu. Summaries of evaluation results are available at https://evaluations.ufl.edu/results.