Mathematics 318
Introduction to Probability and Statistics
Monday – Friday, 9 a.m. – 12:15 p.m.
Summer 2015, Roop 327
Instructor: Dr. Steven Garren

I. **Prerequisite:** MATH 236.

II. **Instructor's office information**

email:	garrenst@jmu.edu
location:	Roop Hall, room 313
web-site:	http://educ.jmu.edu/∼garrenst
office hours:	Immediately after class for 45 minutes

III. **Text required**

Jay L. Devore (2000) *Probability and Statistics for Engineering and the Sciences*, 5th ed.

IV. **Course objectives**

- Some of the main topics covered are descriptive statistics, counting, probability, random variables, sampling distributions, estimation, hypothesis testing, power functions, regression and correlation, and bivariate categorical data.

- R is the required language for computer-related homework problems.

V. **Grading**

20%	Homework (based on R)
20%	Exam I: Wednesday, May 27
20%	Exam II: Wednesday, June 3
20%	Exam III: Wednesday, June 10
20%	Final Exam: Friday, June 12

A. **Homework**

- Students are permitted to work together on the R homework, without directly copying other students' work. It is unacceptable for two or more students to turn in the same R homework based on electronic copies, in part or in full. Each student must fully type (and click, via a mouse) his/her own homework. Hence, students may NOT turn in R homework typed (and/or clicked) partially or fully by another individual. Furthermore, do NOT allow any other student to have electronic access to your R homework, in part or in full.

- All homework scores count toward one's final grade; i.e., no scores are dropped.

- No late homeworks will be accepted.

B. **Exams**

- Exams are closed book and closed notes.

- Each student will be allowed to bring to each exam a calculator, although students may not share calculators.

- The final exam is cumulative.

- At least 80% of the weighting of the exams will come from modifications to the (non-R) homework problems and in-class examples.

VI. Miscellaneous

- For locations of (PC) computers, see
  www.jmu.edu/computing/labs/locations/index.shtml
  http://www.jmu.edu/computing/labs/locations/index.shtml

- Students may enroll in "Auto-grade," which immediately emails the student his/her grade whenever a (homework, exam, or final) grade is recorded electronically.

- Class attendance will be taken each class.

- Cell phones (and other electronic devices, such as Ipods and MP3 players) must be completely **INVISIBLE** to yourselves and the instructor during class. The penalty for each violation is one point off the final grade for each violation. Records will be maintained via "Auto-invisibility of cell phone."

- "WP" and "WF" will NOT be assigned in this course.

- The honor code of the university will be strictly enforced.