COURSE AND CONTACT INFORMATION
• Course: STAT-6207 / Methods of Statistical Computing I
• Semester: Fall, 2011
• Time: Monday, 6:10-8:40PM
• Location: 2020 K Street / Room 23

INSTRUCTOR
• Name: Yinglei Lai, Ph.D.
• Campus Address: 2140 Pennsylvania Avenue, N.W. / Room 106
• Phone: 202-994-6664
• E-mail: ylai@gwu.edu
• Office hours: Monday, 2:00-5:00PM, or by appointment

COURSE DESCRIPTION
Computing is essential for the practice of statistics. This course will introduce basic
computational methods from a statistical point of view. In particular, the following general areas
will be covered:
• Fundamental of computer science
• Numerical analysis and computer intensive methods
• Statistical computing and graphics

COURSE PREREQUISITES
• A course in mathematical statistics and a course in matrix algebra are necessary
• A course in computer/statistical programming is helpful (although not necessary)

TEXTS
• Required: None
• Recommended
  o Statistical Computing by W.J. Kennedy, Jr. and J.E. Gentle ©CRC 1980
  o Advanced Statistical Computing (Course Notes) by R. Gray
• Additional course material will be provided by the instructor.

LEARNING OUTCOMES:
As a result of completing this course, students will be able to:
• Understand basic computer processes
• Perform numerical procedures
• Conduct statistical computing

GRADING
• Homework (weekly, take home): 50%, work independently.
• Quizzes (3, in class): 30%, work independently.
• Final exam/project/presentation: 20%, work independently.
NOTE: IN ACCORD WITH UNIVERSITY POLICY, THE FINAL EXAM WILL BE GIVEN DURING THE FINAL EXAM PERIOD AND NOT THE LAST WEEK OF THE SEMESTER

CLASS POLICIES

• Regular class attendance
• No early or make-up homework, quizzes or exam/project/presentation
  o Except under extraordinary circumstances, in which a written request and related documentation must be submitted as early as possible
• University Policy on Religious Holidays:
  1. Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance;
  2. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations;
  3. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities
• [NOTE: for other university policies on teaching, see http://www.gwu.edu/~academic/Teaching/main.htm ]

ACADEMIC INTEGRITY
I personally support the GW Code of Academic Integrity. It states: “Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information.” For the remainder of the code, see: http://www.gwu.edu/~ntegrity/code.html

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM
DISABILITY SUPPORT SERVICES (DSS)
Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: http://gwired.gwu.edu/dss/

UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300
The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include:
- crisis and emergency mental health consultations
- confidential assessment, counseling services (individual and small group), and referrals
  http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices

SECURITY
In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location.