Stat 432- Statistical Computer Packages and Their Applications (SAS)

Summer 2012 – Merve Gurlu

Basic Information

- Instructor: CIRC Merve Gurlu
- Email: mgurlu1@umbc.edu
- Phone: 443-703-8743
- Office Hours: By Appointment only
- Time and location of classes: Stat 432 is a 1-credit four-week course **from July 10, 2012 to July 31, 2012**, Tu 6:00pm-9:10pm in ENGR 122.
- Prerequisites: A grade of C or better in Stat 350, Stat 351, Stat 355, Stat 453 or instructor approval.

Grading policy: Your grade in this course will be based on your performance in the programming assignments which you will be doing in this course. There will be total of 4 projects; the first three projects will be worth 20 points each and the last project will be worth 40 points. You are expected to turn in the hard copy of the SAS code and email the SAS code along with the SAS output.

- Letter grades for the course will be decided using the following:

Score above	90%	80%	65%	50%	otherwise
Letter grade	A	B	C	D	F

- Please note that the syllabus is subject to change by announcement.

Learning Goals

Upon completion of this class you should

- be able to use basic data steps,
- know descriptive statistics procedures,
- know how to create different types of charts,
- know how to conduct statistical hypothesis test,
- know how to do regression analysis,
- be able to use random number generating functions,
- be familiar with SAS MACRO and IML (Interactive Matrix Language) features,
- be able to produce presentable SAS output.

List of the Topics Covered

Lecture	Day	Date	Main Topic(s)
1	Tu	7/10/2012	SAS Basics: Data Step and Data Management
2	Tu	7/17/2012	Descriptive Statistics, Creating Charts and Hypothesis Testing
3	Tu	7/24/2012	Regression Analysis and Random Number Generation
4	Tu	7/31/2012	MACRO and IML (Interactive Matrix Language)

UMBC Academic Integrity Policy

By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, the UMBC Integrity webpage www.umbc.edu/integrity, or the Graduate School website www.umbc.edu/gradschool.