STAT 430 DEPARTMENT OF MATHEMATICS
UNIVERSITY OF MARYLAND, COLLEGE PARK
General Information for Tim Pilachowski's sections

TEXT: *Applied Statistics and the SAS Programming Language*, (5th Edition) by R.P. Cody and J.K. Smith. Published by Prentice-Hall. ISBN: 9780131465329

INSTRUCTOR: Tim Pilachowski   TJP@math.umd.edu **BE SURE TO INCLUDE "Stat 430" IN THE SUBJECT LINE.**

COURSE INFO & SCHEDULE: Click on "Files" in the Stat430 ELMS/Canvas page, or Stat430 link from
http://www2.math.umd.edu/~tjp/

OFFICE: Math building room 3316, 301-405-5150

OFFICE HOURS: see http://www2.math.umd.edu/~tjp/

Stat 430 will introduce modern techniques of computational statistics for practical analysis of data. The course will utilize the SAS software system, which is widely used both in statistical applications and in corporate data management applications. Data analysis and interpretation will be emphasized, along with statistical theory. Real world data sets will be used to illustrate statistical principles. Topics will include confidence intervals, hypothesis testing, regression analysis, and categorical data.

For undergraduates in mathematics or computer science seeking statistical employment after graduation, SAS is a valuable job credential. For graduate students in fields which use statistics heavily, such as agriculture, life science, education, engineering or social science, SAS is a powerful aid to research. Graduate students who have successfully taken an applied statistics course in their own department should have no difficulty with STAT 430.

A detailed schedule of topics is provided on the Course Schedule page (follow links from http://www2.math.umd.edu/~tjp/ to get to the Stat 430 page). Lecture powerpoints (in pdf format) are available on the ELMS/Canvas Stat 430 page, in the Files section. The use of SAS software is required for this course.

Expect to spend an average of at least 2 hours on homework per hour of class time (this includes reviewing, doing problems, checking and correcting them and reading the new material for the next class). The practice problems listed on the course schedule page represent the type of question you should be able to answer for each topic. Graded homework assignments and projects will be assigned periodically and are to be submitted via the Stat 430 ELMS/Canvas page. For "Online" classes, students will be working on a project using SAS code. Code and output are to be submitted via the Stat 430 ELMS/Canvas page. Due dates for everything can be found on the Stat 430 ELMS/Canvas page. In general, deadlines for graded homework and projects will not be extended, and make-up assignments will not be given.

One 50-minute exam will be given midterm, and a second written exam will be given at the end of the semester. Both of these will be given online in the Quizzes section of ELMS/Canvas. Your final exam is a project which will be submitted via the Stat 430 ELMS/Canvas page. **Old exams are available on the web: click on the links at http://www-math.umd.edu/undergraduate/resources.html.**

The University has a nationally recognized Honor Code, administered by the Student Honor Council. The pledge, approved by the University Senate, reads: "I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination." Unless specifically advised to the contrary, the Pledge should be handwritten and signed on all tests in this course. In conjunction with the University's Code of Academic Integrity, allegations of academic dishonesty will be reported to the Honor Council.

For University course-related policies see http://www.umd.edu/catalog/index.cfm/show/content.section/c/27/ss/1584/s/1540. "Excused absences do not alter the academic requirements for the course. Students are responsible for information and material missed on the day of absence." In lieu of make-ups for graded homework and online assignments, lowest scores will be dropped at the end of the semester. For medical absences when exams are scheduled "students must provide documentation from a physician or the University Health Center". Any unexcused Exams will be counted as a "0", including the final exam. **Any student with a valid reason to be excused from any Exam must contact the instructor by the day after the test, and present documentation at the time of the make-up**. The preferred method of contact is email (TJP@math.umd.edu).

To ensure success in this course, attend lecture regularly, do homework as assigned, and seek help when necessary. Many resources are available: textbook, instructor, tutors, old tests, Learning Assistance Services in the Shoemaker Building, etc. Be thorough and complete when doing homework (checking, correcting, and making note of questions to ask).

The student's grade will be determined as follows:

		The grading scale is:
Online assignments	50 points	A: 90 - 100%
Hand-in homework	175 points	B: 80 - 89%
Projects	50 points	C: 70 - 79%
50-minute Exam	100 points	D: 60 - 69%
Exam 2 & Final Project	125 points	
Total	500 points	

For dates of Exams, check the Stat 430 page in ELMS/Canvas.