Course Syllabus

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Professor:	Dr. Thomas Fisher
Office:	305B Upham Hall
Email:	**fishert4@miamioh.edu (mailto:fishert4@miamioh.edu)** Please note, all university correspondence should be using your @miamioh.edu email address.
Office Hours:	MW 2:15-2:45 (dedicated for this class) TuTh 9:30-10:30 (general office hours) By appointment
Personal Website:	**http://www.users.miamioh.edu/fishert4/ (https://www.google.com/url?q=http://www.users.miamioh.edu/fishert4/&sa=D&ust=1548363554976000)** and Canvas site
Class Materials:	Notes and textbook
Textbook:	Statistical Programming in SAS by A. John Bailer
References:	SAS Website & countless other online resources

Software:	SAS 9.4: Commercial Software, Miami University site licensed: Download SAS for Windows from **(https://www.google.com/url?q=https://software.miamioh.edu/store/&sa=D&ust=1548363554978000) https://software.miamioh.edu/store/ (https://www.google.com/url?q=https://software.miamioh.edu/store/&sa=D&ust=1548363554978000)** using a wired connection. To install SAS on a Mac, you must first install Windows. SAS help is available at the MiTech Center in the Shriver Center. SAS is also available via server from computers in the BEST and King Libraries.
Bulletin Description:	Introduction to the use of computers to process and analyze data. Techniques and strategies for managing, manipulating, and analyzing data are discussed. Emphasis is on the use of the SAS system. Statistical computing topics, such as random number generation, randomization tests, and Monte Carlo simulation, will be used to illustrate these programming ideas.
Topic Outline:	Emphasis on programming concepts, techniques and strategies for: • Managing data – input, output, selection, modification and merging; • Invoking statistical and mathematical functions or procedures; • Creating tabular and graphical displays of data and analyses; • Performing randomized (e.g., Monte Carlo) simulations and resampling (bootstrapping and cross-validation) methods. In-depth treatment of several SAS programming frameworks (DATA step, macros, IML and select PROCedures) will be discussed.
SAS Certification:	This course will cover nearly all the material covered in the SAS Base Certification exam. Students are encouraged to take the SAS Base Certification exam following this class. As a student the exam cost $90.
Homework:	I anticipate assigning several problems as graded homework each week, due on Friday the following week. Late homework will be accepted only with prior permission from the instructor. Homework requirements & expectations are provided at **Homework Guidelines** on the canvas site.

Project:	An individual term project is required in lieu of a final exam. It will consist of several graded phases/milestones. Details will be provided in a few weeks once we have covered some course material.
Attendance:	The pace of this class is such that it will not be advisable to miss any sessions. If you know you will be absent, please inform me in advance. When you are absent, it will be your responsibility to contact another student for the notes and announcements.
	While attendance does not factor into your grade, I may take attendance for my own records. You are expected to be an active participant for the entire 55-minute class. Indications that this is not happening include sleeping, surfing the web or instant messaging on your laptop, text-messaging on your cell-phone, studying for another class, etc. In accordance with the Miami Bulletin, if your attendance is negatively impacting the class, you may be dropped at the discretion of the professor.
	Please turn your cell phone to silent before class. Students are expected to wait quietly for 15 minutes after class is scheduled to begin. If I have not yet appeared the students are free to leave.
Letters of Accommodation:	If you have a letter stating specific testing accommodations to which you are entitled, please work with Student Disability Services and come by my office to discuss the accommodations that you will need once is all approved. Even if you do not anticipate using any accommodations, it is a good idea to turn in the letter as soon as possible.
Prerequisites:	A second course in Statistics: STA 333, 363, 463/563, 672 or ISA 291
Student Code of Conduct:	Any violations of Academic Integrity within the Student Handbook will not be tolerated. This includes cheating, plagiarism, storing information in a calculator, sabotage of another's work and disrupting class. See the **Handbook (https://www.google.com/url?q=http://www.miamioh.edu/handbook&sa=D&ust=1548363554983000)** for a complete listing of the student code of conduct. All violations will be handled in accordance with established procedures and policies concerning student academic responsibility. See the **Bulletin (https://www.google.com/url?q=http://miamioh.edu/academics/bulletin/&sa=D&ust=1548363554983000)** for additional details:
	http://miamioh.edu/academics/bulletin/ (https://www.google.com/url?q=http://miamioh.edu/academics/bulletin/&sa=D&ust=1548363554983000)

http://www.miamioh.edu/handbook   **(https://www.google.com/url?**
q=http://www.miamioh.edu/handbook&sa=D&ust=1548363554984000)

At the conclusion of the semester, final grades will be compiled using:

Source	Amounts
Homework	75%
Project	25%
Total	100%

Grades will be assigned based on:

[98, 100) A+ [92, 98) A [90, 92) A-

[88, 90)   B+ [82, 88) B [80, 82) B-

[78, 80)   C+ [72, 78) C [70, 72) C-

[68, 70)   D+ [62, 68) D [60, 62) D-

[0, 60)   F

Important Dates:

Thursday, February 14 - Drop date (no grade on transcript)

Friday, March 1 - Last day to apply for May graduation

Friday, March 22 - Midterm Grades available on Banner

Monday--Friday, March 25-31 - Spring Break

Monday, April 8 - Last day to drop with a "W"

Friday, May 10 - Last day of classes (and final date to withdraw from university)

Course Summary:

Date	Details