The Ohio State University
Colleges of the Arts and Sciences Course Change Request

Statistics
Academic Unit

Statistics 674
Book 3 Listing (e.g., Portuguese) Course Number

Summer Autumn Winter X Spring Year 2007
Proposed effective date: choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

A. *Course Offerings Bulletin* Information. Follow instructions in the OAA curriculum manual. Before you fill out the "Present Course" information, be sure to check the latest edition of the Course *Offerings Bulletin* and subsequent Circulating Forms. You may find that the changes you need have already been made or that additional changes are needed. If the course offered is less than quarter or term, please also complete the Flexibly Scheduled/OffCampus/Workshop Request form.

COMPLETE ALL ITEMS THIS COLUMN

Present Course

1. Book 3 Listing: Data Management and Presentation I
2. Number: 674
3. Full Title: Data Management and Presentation I
4. 18-Char. Transcript Title: DATA MANAGEMENT 1
5. Level and Credit Hours G 2
6. Description: Reading data, rearranging data, missing data, data calculations, mergin data sets, trsnporting data sets, data values, formats and recoding; emphasizes use of statistical software SAS.
(25 words or less)
7. Qtrs. Offered : winter
8. Distribution of Contact Time: 1 2 hr cl
(*e.g., 3 cl, 1 3-hr lab*)
9. Prerequisite(s): 673, CPTR/INF 201, and grad standing in stat; or permission of instructor.
10. *Exclusion:*
(Not open to....)
11. Repeatable to a maximum of _____credits.
12. Off-Campus Field Experience:
13. Cross-listed with:
14. Is this a GEC course?
15. Grade option (circle): Ltr S/U X P
If P graded, what is the last course in the series?
16. Is an honors version of this course available?
17. Other general course information:

COMPLETE ONLY THOSE ITEMS THAT CHANGE

Changes Requested

1.
2.
3.
4.
5. UG
6.
7.
8.
9. 673, CPTR/INF 201, or permission of instructor
10.
11.
12.
13.
14.
15.
16.

17. _____ | _____

B. General Information

1. Do you want the prerequisites enforced electronically (see the OAA manual for what can be enforced)?

2. Does this course currently satisfy any GEC requirement, if so indicate which category?

3. What other units require this course? Have these changes been discussed with those units?

4. Have these changes been discussed with academic units that might have a jurisdictional interest in the subject matter? Attach relevant letters.

5. Is the request contingent upon other requests, if so, list the requests?

6. **Purpose of the proposed change. (If the proposed change affects the content of the course, attach a revised syllabus and course objectives and e-mail to asccurrofc@osu.edu.)**

7. Please list Majors/Minors affected by the proposed change. Attach revisions of all affected programs. This course is (check one): ☐ Required on major(s)/minor(s) ☐ A choice on major(s)/minors(s) ☐ An elective within major(s)/minor(s) ☐ A general elective:

8. Describe any changes in library, equipment or other teaching aids needed as a result of the proposed change or if the proposed change involves budgetary adjustments, describe the method of funding:

Approval Process The signatures on the lines in ALL CAPS (e.g. ACADEMIC UNIT) are required.

1.	Academic Unit Undergraduate Studies Committee Chair	Printed Name	Date
2.	Academic Unit Graduate Studies Committee Chair	Printed Name	Date
	Douglas A. Wolfe	Douglas A. Wolfe	12/29/05
3.	**ACADEMIC UNIT CHAIR/DIRECTOR**	**Printed Name**	**Date**

4. **After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 105 Brown Hall, 190 West 17th Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to asccurrofc@osu.edu. The ASC Curriculum Office will forward the request to the appropriate committee.**

	John M. Parson	John Parson	1/12/06
5.	**COLLEGE CURRICULUM COMMITTEE**	**Printed Name**	**Date**
	Edward A. Adelson	Edward Adelson	1/13/06
6.	**ARTS AND SCIENCES EXECUTIVE DEAN**	**Printed Name**	**Date**
7.	Graduate School (if appropriate)	Printed Name	Date
8.	University Honors Center (if appropriate)	Printed Name	Date
9.	Office of International Affairs (study tours only)	Printed Name	Date
10.	**ACADEMIC AFFAIRS**	**Printed Name**	**Date**

Statistics 674, 675 **Data Management and Presentation I and II**
Winter, Spring 2006

Instructor: Mike Fligner - 404A Cockins Hall - 292-0463

Office Hours: Tuesday 11:00 and after class, or by appointment

Text: ***SAS APPLICATIONS PROGRAMMING***
by FRANK DI IORIO

Grading: **Both courses are S/U. The text contains problems that do not to be handed in. There will be projects to be turned in.**

Objectives:

This is a two-quarter sequence. This sequence of courses is intended to familiarize you with the most common data management and presentation tasks that arise in Applied Statistics work. The data sets used are real and the tasks that need to be done have arisen in consulting work. The course emphasizes the use of the statistical software SAS, although the movement of data between software packages will be addressed. Each quarter is composed of five "units", and for each unit there is a reading assignment and a project that needs to be turned in. The pacing will be such that a project is due around every 1 1/2 weeks. You may work on the projects alone or with a partner. If you are working with a partner, only one copy of the project needs to be turned in.

SAS software will run on a variety of platforms. SAS programs run similarly irrespective of which platform you are using in terms of windows, output appearance etc., although most students prefer to run SAS on the PC. A primary difference between platforms is the path names used to refer to files (programs and data sets) that are either saved or you are going to save. Statistics graduate students can run SAS on our department computer using the workstations in the graduate student lab, or on the PCs in the student lab. Both the department computer and the PCs have SAS version 9. SAS has not been updated for the MacIntosh in several years and the latest version for the Mac is very out of date. Graduate students outside the department can access SAS in their departments or at a public computing site.

Although the text is quite out of date in terms of the version of SAS, it covers the basics nicely and makes a good reference. The most recent information in terms of capabilities and options are contained in the online help and you will need to get some of your information to complete the projects from this source. There are several useful features of SAS that have been added since the text was written. I will give additional readings on these and include these newer features in the projects. The text has nice exercises every few pages, which students have found helpful. All the answers are in the back. My recommendation is that you do the exercises in the book as you are reading the required material. (You don't need to write out the solutions formally. Just think about them for a few minutes and then check with the answers in the back to make sure you are picking up the major points. These exercises do not require actually running programs and are not all that time consuming). If you are serious about learning SAS, reading the text is important to obtain a good overview of the SAS programming language.

The emphasis in the course is on data management and presentation, not particular statistical applications, as the statistical backgrounds of students in the course vary widely. However we will assume basic knowledge of descriptive statistics, regression analysis and some analysis of variance in the projects.

Finding the Course Data

Statistics graduate students: The course data is contained in the public folder on the pcserver in a folder called 674 data. To get to this public folder, get on one of the department PCs and go under the Start menu to Run. Type \\trad\Public in the window that opens and then click OK. This should open the public folder and you will see the 674 data folder and the 675 data folder. You can copy the data sets to your own personal disk, or just use them as needed.

Students from other departments: The best option that will work for students outside the department is to bring a blank disk to my office and copy the data sets from my machine, or e-mail me (maf@stat.ohio-state.edu) and I can attach the data sets to my reply.

The names for the data sets will be the same regardless of how you access them. You may want to look at the data in the file sclero.txt, which is a text file and can be read with any word processing program. For now we will be reading the data into SAS using programming statements, although we will use the menu driven import features later in the course using common formats such as tab or comma delimited. Regardless of the availability of menu driven import features, knowledge of the programming statements gives you a great deal of flexibility in the kinds of raw data sets that you can read into SAS and is also important when writing macros.

First Homework

Read Chapters 1 – 3 of the text. If you are new to SAS this will start to give you a feel for some of the basics of a SAS program. Don't worry about understanding what each line of the program is doing – we will cover all of this as the course progresses.

Project Schedule

Project 1	**Handed out Jan 10, Due Jan 24**
Project 2	**Handed out Jan 24, Due Feb 3**
Project 3	**Handed out Feb 3, Due Feb 14**
Project 4	**Handed out Feb 14, Due Feb 24**
Project 5	**Handed out Feb 24, Due Mar 7**