

Statistics 2023 Honors Spring 2009

Instructor Professor Hani Doss—222 Griffin-Floyd; Office Hours: M period 5 and WF period 8. (You can also see me WF 11:40–12:00.) Phone: 273-2991.

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Course Description and Objectives STA 2023 Honors is an introductory statistics course that does not assume knowledge of calculus, but that nevertheless presents basic statistical concepts and methods at an advanced level. The primary goals of the course are to enable the students to develop a firm understanding of the fundamental ideas behind statistical reasoning and to learn some of the basic techniques of data analysis. An advanced statistical computing language will be used for the computations and graphics.

Textbooks and Materials There is one required text and one recommended text.

- 1 *Introduction to the Practice of Statistics*, by David S. Moore and George P. McCabe, 6th edition, Freeman, 2009, including a disk with all data sets for the book. This is required.
- 2 *Using R for Introductory Statistics*, by John Verzani, CRC Press, 2005. This is recommended.

Required Software We will be using the statistical computing language R (which can be downloaded for free from <http://www.r-project.org>).

Course Web Page <http://www.stat.ufl.edu/~doss/Courses/2023h>

Grading Your final course grade will depend on your course score based on the following five components with their respective weights:

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| Midterm 1: | Wed February 11, 7:20 pm, Griffin-Floyd 230; covers everything up to and including lecture of Mon February 9. Note evening time slot. | 20% |
| Midterm 2: | Wed March 18, 7:20 pm, Griffin-Floyd 230; covers everything up to and including lecture of Mon March 16 (with emphasis on material covered after Midterm 1). Note evening time slot. | 20% |
| Final: | Comprehensive; on April 28, 12:30–2:30pm. | 30% |
| Homework: | There will be about 10 homeworks assigned during the semester. | 15% |
| Projects: | There will be two projects assigned during the semester. | 15% |

The final will count slightly more if this is to your advantage. A course average of 90–100 will guarantee an A, 80–89 a B, 70–79 a C, etc. (The actual cutoffs for the grades are likely to be lower than these numbers.)

Coverage We will cover the material in Chapters 1–7 of the text. *However, there will be material covered in lectures which is not found anywhere at all in the textbook, and you will be responsible for that material.*

Course Policies Homework must be turned in at the beginning of the lecture on the due date. Late homework will not be accepted.

All exams are closed-book, closed-notes; however, you may bring one 8.5×11 sheet of notes to the Midterm Examinations and two 8.5×11 sheets of notes to the Final Examination (you can write on both sides of the sheet). You should bring a calculator to the tests. Makeup exams must be approved before the time of the exam and will be given only in case of medical or family emergencies (which must be appropriately documented). All work must be entirely your own.

You are responsible for everything from lecture. Do not depend on the course web page for announcements regarding due dates for homework, changes in schedules, etc.

Cell phones should be turned off (or set on silent).

If you feel you need special arrangements because of a disability please see me.

There will be no class on Friday January 9.