

Statistics – Operations Research (STOR) 155, Section 1  
Course Information for Introduction to Statistics  
January 13, 2009

**Instructor:** J. S. Marron, Professor

Email: marron@email.unc.edu (checked regularly)

Office: Hanes 352 (through door at back of large open area on 3<sup>rd</sup> floor)

Phones: Office: 919-962-2188 Home: 919-493-2844 FAX: 919-962-1279

Formal Office Hours: Tuesday 1:00 - 2:00, Thursday 9:00 - 10:00

Informal Office Hours: When I am in my office (mostly M-T-Th, priority to those with appointments), and by email appointment

**Instructional Assistant:** Soyoung Jeon, soyoung@email.unc.edu, Hanes B22, Office Hour: Wednesday 10:30-11:30 Phone 919-962-7512

**Class Meetings:**

Time: Tues. & Thurs. 2:00 – 3:15  
Place: Hanes 120

Most class information is available on **Blackboard**, at the website:  
<http://blackboard.unc.edu/>

Log in, using your Onyen.

Choose this course: **Spring 2009 Intro Statistics.stor155.001**

Will frequently use the following **Content Areas**:

**Course Information** Contains general information, including this document, old exams & solutions

**Course Documents** For Notes from Class Meetings (PowerPoint)

**Assignments** For Listings of All Homework Assignments

**Communications > Discussion Board** For questions about HW problems, basically organizes my response to set of questions

**Class Waiting List:**

Contact: Ms. Charlotte Rogers  
Office: 321 Hanes  
Phone: 962-2307  
Email: crogers@email.unc.edu

<b>Grading:</b>	Based on:	
1. Homework		10%
2. Midterm I		20%
3. Midterm II		20%
4. Final Exam (cumulative)		50%

### Dates of Examinations:

Midterm I: Tuesday, Feb. 24

Midterm II: Tuesday, Apr 7

Final: Thursday, April 30, 4:00 - 7:00

### Homework:

- Critical to effective learning in this course, very *strongly connected with final grade*
- Forms *basis of examinations* (all are "twiddles" of HW problems)
- If you understand all HW, good grades will result
- Common pitfall: "I had a previous stat course, this is easy, I don't need to do HW..."
- Assigned Daily, collection for each week is due Thursday of the following week, at the beginning of class
- No late homework accepted, lowest 2 scores dropped
- Notes:
  - Readability is your responsibility
  - Highlight your numerical answer
  - Never turn in more than one page per problem (or no credit given)
  - In Excel, highlight a block, and do "Alt, File, Print, Print What: Selection"
  - OK, to work together, but *watch out* for the:
    - "Constant nodder" trap
    - "Take turns doing assignments" pitfall

### Textbook:

Moore, D. S., McCabe, G. P. and Craig, B. A. (2009) **Introduction to the Practice of Statistics**, 6th edition, W. H. Freeman.

This is the main textbook. Well written (much better than most of its type).  
Major source of HW problems.

Suggested minimal approach to course:

Listen to what happens in class

Do HW promptly

Resolve questions soon

If you feel yourself falling behind, then catch up using text book.

High End approach to course:

Explore "Student Tools" on **StatsPortal**

In addition: read text, in parallel, for an alternate viewpoint

## Computation:

- “A tool, not an end in itself”
- “Intended to facilitate thought, not replace it”
- Never done in class, even for exams (so don't bring your CCI Laptop)
- Done with Microsoft EXCEL, available on your CCI Computer.
- EXCEL is "user friendly", so if you have experience using computers, you may be able to just start using EXCEL.
- If you are wondering "how do I do that?", the Excel Manual in **StatsPortal** provides well organized access to a number of important topics (some of these will be covered in HW).
- General rules for when you encounter a problem:
  - "Just try something"
  - Ask a friend, or somebody hanging around
  - Seek "more official" help.
- Caution: Numerical answers to HW problems will be given. Avoid the trap of "just twiddling EXCEL until you get the right number" (because you can't do that on the exam).

## Questions on HW (preferred, but new, approach):

- You post “threads” on Blackboard Discussion Board
- Put “threads” under “Forums” (one for each week’s assignment)
- Label “threads” with HW problem
- Send me a personal email ([marron@email.unc.edu](mailto:marron@email.unc.edu)) when you have made a posting
- I will answer each posting, and everybody can see the questions and my answers
- If you are still unclear, post another query as part of the same thread
- Blackboard seems to remember (and indicate) which threads you have read
- Advantage: better ultimate organization of combined info

## Questions on HW (backup approach):

- Send me questions by email
- Include HW problem number in subject line
- I will broadcast email answers to entire class
- Disadvantage: hard to keep track of everything, over long dialog

## StatsPortal

- Textbook Publisher supplied source of “useful” supplementary material
- Instructions from the publisher for logging in:
  1. Go to <http://courses.bfwpub.com/ips6e> (Mac users need to use Firefox).
  2. Click on the link "REGISTER AN ACTIVATION CODE."
  3. Students will be prompted to follow the on-screen instructions to find your course. Start by selecting the school's state/province, the school name, then instructor, course, and/or section.
  4. Students enter the activation code that came with their textbook or that they purchased from us. They will also be asked to enter their email address, choose a password and they will be ready to go!

5. Students can also purchase access on the website by clicking on the "PURCHASE" link.

- Resources available:
  - eBook - Electronic version of full text book
    - Saves carrying around the text
    - Gives instant access to HW problems
  - Resources → Student Enhanced Excel Manual
    - Many useful Excel Tips (will refer to later)
  - Resources → Data Sets
    - Avoids retyping of lists of numbers
    - By supplying "pre-typed lists"
    - I.e. data sets
    - Recommend downloading Excel format (zip archive)
    - Then pull out components as needed

### **Additional Course Information:**

- PowerPoint Notes used in Class Meetings:
  - Posted on Blackboard, in Course Documents Section  
(hopefully at least two hours before class)
- Audio Recording of Class Meetings:
  - Should be available from <http://coursecast.unc.edu>
  - Warning:* student questions, might, but probably won't, be included
  - Note: this is new and untested, we will see how it goes

### **Additional Source of Help**

Open Tutorial Sessions:

Sunday – Monday – Tuesday – Wednesday – Thursday

7:00 PM – 8:00 PM

Hanes 107

(generally different IAs each day, ours is Sunday)

Take your own CCI Computer to these

**Syllabus** (but will change order): (parts of Moore and McCabe likely will be covered)

Chapter:	Sections:
1	1, 2, 3
2	1, 2, 3, 4, 5
3	1, 2, 3, 4
4	1, 2, 3, 4
5	1, 2
6	1, 2, 3, 4
7	1
8	1
(& maybe)	
9	1, 2
10	1