

## Course Information for Statistics 213 Probability and Decision Theory, STAT 213, Spring 2010

- Instructor:** Jon Kuhn, Ph.D., 309 Schwarz Hall  
 jkuhn@pnc.edu <http://www.pnc.edu/faculty/jkuhn/>  
 (toll free inside Indiana) (long distance charges, if necessary)  
 (800) 872-1231 (ext 5563) (219) 785-5563  
 (800) 872-1231 (ext 5598 and 5563#) (219) 785-5598 (then 5563#) voice mail  
 (219) 785-5507 fax  
 home number: (269) 556-9856
- Dept Office:** 120 Schwarz Hall, same telephone numbers as above, then extension 5298#  
<http://www.pnc.edu/depts/mp>
- Class Times:** MW 2:30-3:45PM (02), 4:00–5:15pm, (03); TR 3:30-4:45pm, (04); and online (06)
- Office Hours:** W 1:00-2:00pm, R 2:00-3:00pm 309 Schwarz, other times by appointment
- Texts:** (required) *Finite Mathematics: An Applied Approach plus MyMathLab Student Starter Kit*, Young et al. (3rd ed), ISBN-10: 0-321-19663-5 or ISBN-13: 978-0-321-19663-7  
 (required) *Attendance Workbook For Statistics 213*, Kuhn, Spring 2010 (found on my PNC web page)  
 (optional) *Student Solutions Manual*, Young et al.
- Calculator:** TI-84+ (TI-Nspire, TI-84+ SE, TI-83+, TI-83+ SE) calculator is required
- Course web sites:** <http://www.faculty.edu/jkuhn> then follow links (“attendance” lecture notes and syllabus)  
<http://www.mathxl.com> (online assignments, registering requires both course ID and student access code)  
<https://epm.itap.purdue.edu/webct/entryPageIns.dowebct>, then “North Central Academic Campus” (weekly scores)  
<http://www.pnc.edu/depts/mp/> then Student Resources link (review problems for common core final)
- Objectives:** (1) Student should develop a working knowledge of the relevant core topics of basic probability, statistics and their application to a variety of situations.  
 (2) Student should develop problem solving, critical thinking and analytical skills.  
 (3) Student should develop the ability to communicate their thinking both orally and in written form.
- Points:**
- |                                        |            |
|----------------------------------------|------------|
| Homeworks (7 at 50 points each)        | 350 points |
| Quizzes (6 at 50 points each)          | 300 points |
| Final ( <b>common</b> to all sections) | 250 points |
| Attendance                             | 50 points  |
- Grading Scale:**
- |   | highest of | I             | or | II        |
|---|------------|---------------|----|-----------|
| A |            | 900 and above | or | top 15%   |
| B |            | 800 to 899    | or | next 35%  |
| C |            | 700 to 799    | or | next 40%  |
| D |            | 600 to 699    | or | next 5%   |
| F |            | below 600     | or | bottom 5% |
- Grading Policies:** Late homeworks assignments are not accepted. There are no make-up quizzes or final exam. Writing the final is required: failure to write is an automatic F grade.  
 No points are taken off for first three absences; 5 points taken off per absence thereafter.  
 If you are sick, you have permission to stay home and are not penalized for missing class.
- Accommodations:** If you have any kind of disability or situation that will require any type of accommodation either in the classroom or in testing, please see the instructor immediately after class. You must also consult with the Disability Services Coordinator (extension 5374) to provide appropriate documentation before accommodations can be provided.
- Emergencies:** In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances. Here are ways to get information about changes in this course: Blackboard Vista web page, my email address: jkuhn@pnc.edu, and my office phone: 219-785-5563.  
 If the campus is without power for an extended period, and there is no access to Blackboard, e-mail or phones, PNC’s emergency text message system will be utilized.

**Homework Assignment and Quiz Deadlines:**

W	M-F	Att	Homeworks and Quizzes, Thursday due dates	
1	J11-J15	A1	<i>lectures, but no quiz or homework assignments due this first week</i>	
2	J18-J22 <i>no class J18</i>	A2	H1 (A1)	January 21st
3	J25-J29	A3	Q1 (A2)	January 28th
4	F1-F5	A4	H2 (A3)	February 4th
5	F8-F12	A5	Q2 (A4)	February 11th
6	F15-F19	A6	H3 (A5)	February 18th
7	F22-F26	A7	Q3 (A6) <i>supervised quiz 3</i> 02: Wednesday, February 24th, 2:30pm-3:45pm 03: Wednesday, February 24th, 4:00pm-5:15pm 04: Thursday, February 25th, 3:30pm-4:45pm	
8	M1-M5	A8	H4 (A7)	March 4th
9	M8-M12 <i>no classes M8-M12</i>			
10	M15-M19	A9	Q4 (A8)	March 18th
11	M22-M26	A10	H5 (A9)	March 25th
12	M29-A2	A11	Q5 (A10)	April 1st
13	A5-A9	A12	H6 (A11)	April 8th
14	A12-A16	A13	Q6 (A12) <i>supervised quiz 6</i> 02: Wednesday, April 14th, 2:30pm-3:45pm 03: Wednesday, April 14th, 4:00pm-5:15pm 04: Thursday, April 15th, 3:30pm-4:45pm	
15	A19-A23	A14	H7 (A13)	April 22nd
16	A26-A30		<i>review week</i>	
17	M3-M7		<i>supervised final</i> times posted on PNC website	

As an example to understand this table: In Week 8, which takes place between Monday, March 1st, to Friday, March 5th, the 8th Attendance assignment is covered in class and the 4th homework assignment (based on material in Attendance 7) is to be submitted before midnight Thursday, March 4th.

**Chapters Covered in Text:**

Week(s)	Chapter(s) Covered	Description
1	1	linear functions
2	2	systems of linear equations
3	3	matrix algebra
4	4	linear programming: graphical approach
5,6	5	linear programming: simplex method
7	6	mathematics of finance
8,10	7	logic, sets and counting
9		mid-semester break
11	8	basic probability
12,13	9	more probability
14,15	10	statistics