

Course Information for Mathematics 213 Finite Mathematics I, MA 213, Spring 2013

- Instructor:** Jon Kuhn, Ph.D., 309 Schwarz Hall
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(toll free numbers if inside Indiana ↓) (long distance charges, if necessary ↓)
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cell number: (269) 861-0024
- 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; TR 3:30-4:45pm; and online
- Office Hours:** TR 1-3pm (S309/Skype), TR 6-7pm (Skype); or by appointment
- Texts:** (required) *Finite Mathematics: An Applied Approach plus MathXL*, Young et al. (3rd ed),
(optional) *Lecture Notes For Mathematics 213*, Kuhn, Spring 2013 (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://faculty.pnc.edu/jkuhn> then follow links (syllabus and class lecture notes)
<http://www.mathxl.com> (online assignments, registering requires both course ID and student access code)
MathXL assignments password protected until student's telephone, email received and Skype contact made
<https://mycourses.pnc.edu/> (weekly scores, syllabus, class lecture notes, MathXL)
<http://www.pnc.edu/depts/mp/> then Student Resources link (review problems for common core final)
Check PNC email regularly. Please complete online course evaluation available later in semester.
- Objectives:** General objectives include developing basic conceptual understanding of core ideas of finite mathematics and hands-on experience with basic calculator and/or computer skills. Specific objectives include:
(a) understanding linear systems of equations,
(b) solving financial formulas,
(c) exploring probability problems.
- Points:**
- | | |
|---|------------|
| Untimed Tests (7 at 50 points each) | 350 points |
| 20 Minute Quizzes (6 at 50 points each) | 300 points |
| Final (common to all sections) | 250 points |
| Attendance | 100 points |
- Grading Scale:**
- | | | | | |
|---|------------|---------------|----|-----------|
| | highest of | I | or | II |
| A | | 900 and above | | top 15% |
| B | | 800 to 899 | | next 35% |
| C | | 700 to 799 | | next 40% |
| D | | 600 to 699 | | next 5% |
| F | | below 600 | | bottom 5% |
- Grading Policies:** Two assignments: homework due every Tuesday, untimed tests or 20-minute quiz due every Thursday, during semester. Must achieve at least 80% on homework assignment, worth *nothing*, before permitted to start quiz/test. Late homeworks assignments are not accepted. There are no make-up quizzes, tests or final exam. 10 points (up to 100) deducted for each absence after 3rd, and each late homework assignment and quiz. Taking the final is required: failure to do so is an automatic F grade.
- Academic Integrity:** See <http://www.pnc.edu/cd/Policy/conduct.html>
- Accommodations:** If you have any kind of disability or situation requiring any type of accommodation in class or in testing, please contact instructor immediately. You must also consult with 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 may change. Check: Blackboard web page, my email address: jkuhn@pnc.edu, and my office phone: 219-785-5563. If no access to Blackboard, e-mail or phones, PNC's emergency text message system will be utilized.

Homework Assignment and Quiz Deadlines:

W	Monday–Friday	Homeworks	Untimed Tests and 20 Minute Quizzes
		<i>Tuesday due dates</i>	<i>Thursday due dates</i>
1	J14–J18	<i>no assignments due this first week</i>	
2	J21–J25, <i>no class J21</i>	H1 January 22nd	T1 January 24th
3	J28–F1	H2 January 29th	Q1 January 31st
4	F4–F8	H3 February 5th	T2 February 7th
5	F11–F15	H4 February 12th	Q2 February 14th
6	F18–F22	H5 February 19th	T3 February 21st
7	F25–M1	H6 February 26th	Q3 February 28th
8	M4–M8	H7 March 5th	T4 March 7th
9	M11–M15, <i>no classes M11–M15</i>		
10	M18–M22	H8 March 19th	Q4 March 21st, <i>supervised quiz 4</i>
11	M25–M29	H9 March 26th	T5 March 28th
12	A1–A5	H10 April 2nd	Q5 April 4th
13	A8–A12	H11 April 9th	T6 April 11th
14	A15–A19	H12 April 16th	Q6 April 18th
15	A22–A26	H13 April 23rd	T7 April 25th
16	A29–M3	<i>review week: final review assignment due Thursday May 2nd</i>	
17	M6–M10	<i>supervised final</i>	

As an example to understand this table: In Week 8, which takes place between Monday, March 4th, to Friday, March 8th, the 7th homework assignment is due on or before midnight Tuesday, March 5th and the 4th untimed test assignment is due on or before midnight Thursday, March 7th.

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
8,9	7	logic, sets and counting
10	8	basic probability
11,12	9	more probability
13	11	Markov chains
14	12	game theory