

MATH 251, Section C1: Summer 2015

Syllabus

Instructor – Matt Charnley

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Office: Hill 606, Busch Campus

Office Hours: Monday and Tuesday, 10 am – noon, or by appointment.

Note: Office Hours on June 1 will be moved to June 4.

Course Website: SAKAI and math.rutgers.edu/~mpc163/Courses/SM15_MATH251.html

Class Meetings

MTWTh, 8:00am – 10:00 am, SEC-218

Exams

First Midterm Exam – Thursday, June 11th

Second Midterm Exam – Thursday, July 2nd

Final Exam – Thursday, July 16th

Course Information

Information about this course can be found on SAKAI, as well as the course website. SAKAI will be updated very regularly, and this will be the best place to obtain course materials. My personal website may lag behind in updates.

Grade Breakdown

Grades will be assigned according to the following weights

Homework & Practice Problems	10%
Maple Assignments	5%
Quizzes	15%
Midterms	17.5% each, 35% total
Final Exam	35%

Textbook

Jon Rogawski; *Calculus: Early Transcendentals*.

Custom Edition for Rutgers University; 2011; ISBN: 1-4641-0376-3

Class Attendance

Attendance at ALL class meetings is mandatory. Attendance will be taken at each class, and will factor into final grade assignments in the form of the practice problems and quizzes. This class will move very quickly through material, even more so than in a normal Spring or Fall semester, and missing one day of class will put you significantly far behind. If you must miss class for any reason, you should let me know well in advance, and plan to stop by office hours to catch up on missed material.

Quizzes

Thirty minute quizzes will be given every Thursday at the end of class, covering the material from that week of class. These will be closed book, closed note quizzes. Calculators and other electronic devices will NOT be allowed on any of the quizzes. You will be provided with any formulas you may need. The goal of these quizzes is to give you more practice working problems in an environment similar to that of an exam. There will be 5 of these quizzes over the course of the class. There will also be smaller 'practice problems' that will need to be written up during most class sessions. These will be handed out in the middle of the lecture, and will be open-book, open-note exercises.

Homework

Homework will be collected almost every day at the beginning of class. If the homework is not turned in to me by 8:10, it is late, and will receive at most half credit. If I do not have it by 9:00, it will not be accepted. In order to get credit, you must show all your work. The problem sets due each day will be assigned in class the day before. A tentative schedule is outlined below, but the final schedule will be announced in class, since it may change due to the rate at which we cover material. The homework sets are all assigned at the back of this packet, and are taken from the normal online syllabus:

<http://www.math.rutgers.edu/courses/251/syllabushw2nd.html>

I would highly recommend doing all these problems, because it will give you more practice with the material and a better understanding of it. However, since it is a shorter class over the summer, not all of these problems will be assigned or graded.

Problem Sessions

Almost every week, we will have two problems sessions for the second half of the class period. This will be time for you to ask about any homework problems that have been causing difficulty or go back over topics that are confusing. I will not prepare anything specific to talk about in these sessions, but will leave the entire time for you to ask questions. This is to fill the role of recitations during the Spring and Fall semesters. If there are no questions from the class, then I will just continue lecturing on the next section.

Maple Assignments

Maple is a computing software commonly used to carry out complicated calculations or visualize problems in 3 dimensions. This course requires 3 Maple assignments in addition to an optional introductory one. The first Wednesday of class, we will have a brief introduction to Maple and how to use it. After that, there will be three labs due over the summer. Those dates are already available below, and all of the necessary files will be posted on Sakai. These labs will need to be given to me, as a hard copy, on the specified due date. Emailed labs will not be accepted.

Exams

There will be two midterm exams given on the dates above. Calculators and other electronic devices will NOT be allowed on any of the exams. These will be 80 minute exams, which will start at 8:00 each day. These will be closed book, closed notes, with a formula sheet provided by me. After the 80 minutes, we will go over the exam in class. The final exam will be **three hours** on July 16th, with the same procedure. The exact time of the final exam will be specified at a later date, but it will run either 7:00 – 10:00 or 8:00 – 11:00 am.

Make-Up Policies

Exams and quizzes can NOT be made up under any circumstances. If there is a legitimate excuse for missing an exam, i.e. a doctor's note, then we can discuss a way to make the grades work out in the end, but you will not be allowed to take the exam late. Homework and Maple assignments will not be accepted past their due date.

Academic Integrity

All students in this course are expected to be familiar with and abide by the academic integrity policy (<http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers>). Violations of this policy are taken very seriously. In short, don't cheat, and don't plagiarize.

Disability Accommodations

I will be happy to provide appropriate accommodations for students who provide me with a letter of accommodation from the Office of Disability Services (ODS). For more information, see <http://ods.rutgers.edu/>.

Class Schedule

Date	Sections	Assignments Due
5/26	12.1, 12.2, 12.3	
5/27	12.4, Intro to Maple	HW 1 Due
5/28	12.5, QUIZ 1	HW 2 Due
6/1	13.1, Problem Session	HW 3 Due
6/2	13.2, 13.3	HW 4 Due
6/3	13.4, Problem Session	HW 5 Due
6/4	14.1, QUIZ 2	HW 6 Due
6/8	14.2, Problem Session	HW 7 Due
6/9	14.3, 14.4	HW 8 Due
6/10	Catch Up / Problem Session	HW 9 Due
6/11	EXAM 1, Go over Exam	Maple Lab 1 Due
6/15	14.5, 14.6	
6/16	14.7	HW 10 Due
6/17	14.8, Problem Session	HW 11 Due
6/18	15.1, QUIZ 3	HW 12 Due
6/22	15.2, Problem Session	HW 13 Due
6/23	15.3	HW 14 Due, Maple Lab 2 Due
6/24	12.7, Problem Session	HW 15 Due
6/25	15.4, QUIZ 4	HW 16 Due
6/29	15.4, Problem Session	HW 17 Due
6/30	15.6	HW 18 Due
7/1	Catch Up, Problem Session	HW 19 Due
7/2	EXAM 2, Go over Exam	
7/6	16.1, 16.2	
7/7	16.3, 16.4	HW 20 Due
7/8	16.5, Problem Session	HW 21 Due
7/9	17.1, QUIZ 5	HW 22 Due, Maple Lab 3 Due
7/13	17.2, Problem Session	HW 23 Due
7/14	17.3	HW 24 Due
7/15	Catch up, Review	HW 25 Due
7/16	FINAL EXAM	

Homework Sets

Sections	Problems	Tentative HW Set Number
12.1	5, 11, 15, 21, 39, 45	1
12.2	11, 13, 25, 33, 53	1
12.3	1, 21, 29, 66, 71	2
12.4	5, 11, 22, 39, 41	2
12.5	1, 13, 17, 33, 51	3
13.1	4, 7, 15, 21	4
13.2	10, 27, 28, 31, 45	5
13.3	3, 11, 14, 18	5
13.4	3, 17, 19, 23	6
14.1	7, 19, 20, 23	7
14.2	7, 15, 22, 29	8
14.3	3, 19, 22, 33, 49, 55	9
14.4	1, 7, 15, 21, 25	9
14.5	7, 13, 38, 39, 44	10
14.6	1, 5, 13, 27, 39	10
14.7	1, 3, 10, 19, 21	11
14.8	2, 7, 11, 13, 15	12
15.1	17, 27, 29, 41, 45	13
15.2	3, 11, 27, 32, 33, 49	14
15.3	5, 9, 15, 19, 35	15
12.7	1, 5, 23, 35, 42, 53, 59	16
15.4	1, 5, 13, 17	17
15.4	22, 23, 27, 33, 41, 47, 49	18
15.6	1, 5, 15, 29, 33,	19
16.1	1, 3, 10, 15, 25, 31	20
16.2	3, 15, 21, 35, 43	20
16.3	5, 9, 11, 15, 21	21
16.4	1, 5, 8, 17, 23	21
16.5	1, 9, 12, 15, 17, 23	22
17.1	1, 6, 9, 13, 23, 25	23
17.2	1, 5, 9, 11, 21, 23	24
17.3	1, 5, 7, 9, 16, 17	25