Fall 2014 Calculus 2, Section 02 Syllabus

Instructor Information

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Office: OW 310

Help room hours (2nd Floor of Old Whitney Hall): TBA

Website: `https://www2.math.binghamton.edu/p/people/grads/skipper/`

Course-wide website: `https://www2.math.binghamton.edu/p/math222`

The course will cover Chapters 6, 7, 8, 10 and 11 of Single Variable Calculus 7E (with WebAssign Access Code) by James Stewart. Not all sections of these chapters will be covered. A weekly schedule follows this syllabus.

Goal of the course

The course is to equip students with the techniques of a second course in calculus. These include an expanded collection of functions which are studied with calculus. Integration is developed a great deal. Finally, using sequences and series, an even wider variety of functions is obtained. These are a centerpiece in using calculus.

The course aims to prepare students for taking multivariate calculus and differential equations.

Special notes

This is a university course in Calculus II. It requires more concentration, more time in solving problems, and more maturity than a high school course. Moreover, this course is for those who need its content in later coursework. It is therefore quite a bit more demanding than the university Calculus I. You will need to work on Calculus between class meetings. You will be frustrated if you try to make a grade by cramming before exams. There is a huge amount of material, but by improving various mathematical skills, the methods can be understood and patterns emerge. You have a good chance to remember them for later application.

Accessing Course Information Various information you will need through out the course can be found on the instructor's website. This includes links to the course-wide Math 222 website, as well as links to section specific information (i.e. useful pdfs, selected quiz solutions, etc.)

Calculators

Only in special circumstances will electronic equipment or any calculational device be allowed in the exams. The quantitative emphasis will be within the range one should be able to do with pencil and paper. If you have become totally reliant on a calculator, please work extra to become independent of one for your homework.

Homework

You should spend at least two hours looking over lecture notes and the text. Work carefully the examples in the text. Each week you will be assigned homework in WebAssign. Do not get behind.

WebAssign is an online homework system which includes the e-book for our text. If you buy the textbook through the University bookstore it comes with an access code for WebAssign. If you do not buy the textbook from the bookstore then you will need to purchase an access code on the WebAssign website. You will have temporary free access to WebAssign for 2 weeks into the semester without an access code. If you bought a WebAssign access code from a previous semester, you do not have to buy it again. (Exception: if you only purchased one-semester access, you'll need to buy it again.) When logging into WebAssign for the first time you will need to self-enroll with a "Class Key". The "Class Key" can be found on the instructor's website in the Calculus II section. All info for getting started with WebAssign can be found here `http://www.webassign.net/manual/student_guide/student_quick_start_guide.htm`

Your username is your Binghamton University username and the institution code is "binghamton".

Academic Honesty

Cheating is considered a very serious offense. According to the University Catalog, cheating consists of: Giving or receiving unauthorized help before, during or after an examination. The full strength of Binghamton Academic Honesty Policy will be applied to anyone caught cheating. This may include failing the course, and further disciplinary action.

Exams

All exams will be thorough. Naturally, the knowledge accumulates depending on prior work. To succeed, you need to stay current. We will use the following grading scale: 85% - 100% to be an A; 70-84% to be a B; 50-69%, C; 40% - 49% a D. The tests are challenging enough that on the average about 15% obtain an A in the class.

Final Marks

The weighting for the scores of the various methods for assessing student knowledge is:

In term Exams(3)	150 pts each
In class quizzes (2)	30 pts each
Final Exam	400 pts
WebAssign	70 pts
Instructor Contribution	20 pts

The instructor contribution should be based on some combination of attendance, quizzes, and take home assignments.

The three In term exams will be scheduled in the evenings. Tentatively, these exams will be given at 7:00PM on Sept.22 , Oct 22, and Nov.24. Place will be announced later.

Help Room Hours

Students that need extra help outside of class can visit the Math Help Room located on the 2nd Floor of Old Whitney Hall in the wing closest to the "brain". Your instructor will be in the help room for regularly scheduled hours (specific dates and times TBA). Students can also visit the help room even if their instructor is not there at that particular time to receive help. A link to the help room schedules will be on the instructor's website when it becomes available.

Schedule

Sept 2- Sept 5, Week 1	6.1, 6.2*
Sept 8- Sept 12, Week 2	6.3*, 6.4*, 6.6, Quiz I
Sept 15-Sept 19, Week 3	6.7 (no hyperbolic inverses), 6.8
Sept 22-Sept 24, Week 4	Test I, 7.1
Sept 29 - Oct 3, Week 5	7.2, 7.3, 7.4
Oct 6 - Oct 10, Week 6	7.5, 7.8, 10.1
Oct 13 - Oct 17, Week 7	10.2 & 8.1,
Oct 20 - Oct 24, Week 8	Review, Test II, 11.2
Oct 27 - Oct 31, Week 9	11.3, 11.4, 11.5
Nov 3 - Nov 7, Week 10	11.6, 11.7
Nov 10 - Nov 14, Week 11	11.8, 11.9
Nov 17 - Nov 21, Week 12	11.10, 11.11
Nov 24 - Nov 26, Week 13	Review, Test III
Dec 1 - Dec 5, Week 14	10.3, 10.4
Dec 8 - Dec 12, Week 15	10.5, Quiz II
Dec 16 at 8:05 PM	Final Exam