Honors Integral Calculus - Math 121 Section 201, Spring 2016

• Instructor: Malabika Pramanik

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• Office hours: To be announced.

• TA: Fan Bai

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• TA office hours: To be announced.

- Lectures: Monday, Tuesday, Wednesday, Friday: 2-3 pm, Mathematics Building, Room 104.
- Text: Calculus, Single Variable 8th edition by Robert Adams and Christopher Essex.
- Course description: The primary focus of this course is to study the topic of integration in the one-variable setting. According to UBC Math's course description, the syllabus includes the following topics:
- definite integrals
- the fundamental theorem of calculus
- techniques of integration
- applications of integration
- infinite series.

This is essentially the same syllabus as Math 101, but being the honors version, the topics are covered in greater foundational depth with emphasis on solving conceptual problems rather than routine exercises. We will cover material from Chapters 5 - 9 of the text. A rough guideline for the time spent on each chapter is as follows:

Ш	Chapter 5	: Integration (2 weeks)
	Chapter 6	: Techniques of integration (2 weeks)
	Chapter 7	: Applications of integration (3 weeks)
	Chapter 8	: Conics, paramteric curves and polar curves (1.5 weeks
	Chapter 9	: Infinite series (4 weeks)

• Web page: All important announcements, handouts, homework assignments, solutions and additional information about the course will be posted on the course website:

• Resources:	
can ask, answer and explore instructors and TA-s. You wi the Piazza page and signup ir □ In addition to the instructor' practice exams will be posted ment's archives as well as from □ There is a designated TA for assignments. The TA's contact once they are available. □ Please take advantage of the (MLC), located on the Agriculture.	for the course. Piazza is an online forum where students at any time of their choosing, with the guidance of their ll need a UBC email address to access Piazza. The links to astructions will appear on the course website. So office hours, solutions to the homework assignments and on the course website. Past exams from the math department of the AMS exam database will also appear here. For this course who is in charge of grading the homework cet info and office hours will be posted on the course website adrop-in math tutorials offered by the Math Learning Centre altural road between West Mall and Main Mall on the third k Building (LSK) in Rooms 301 and 302. Look for updates
	tps://www.math.ubc.ca/ MLC/
tions. They do not do this for has a large overlap with our symmetry more in-depth in our course to	w.ubcmathclub.org/) sells packages of old exams with solu- or Math 121 (last time I checked), but for Math 101, which yllabus. Keep in mind however that some topics are covered than in Math 101.
January 15. A problem set cont	taining a list of problems to practise and a list of problems e course website every week. Stay tuned.
• Grading:	
	$\begin{array}{ll} \text{Homework} & 10\% \\ \text{Midterm 1} & 20\% \\ \text{Midterm 2} & 20\% \\ \text{Final exam} & 50\% \end{array}$
• Exams: There will be two mi	dterms and a final exam in this course.
 March 18. □ The date of the final exam is exam schedule has been annoted. □ Students will be required to br 	

• Things to know:

 \square Missing a midterm normally results in a mark of 0. Exceptions may be granted only with prior consent of the instructor, and with official documentation supporting the student's

reason for missing the exam. In case of a medical emergency, the instructor must be notified within 48 hours of the missed test, and be presented with a doctor's note immediately upon the student's return to UBC. A physician's note should specifically state that the student was medically unfit to write the missed exam on that day.

If a midterm was missed for legitimate reasons, the weight of the missed midterm will be transferred to the final. Make-up midterms will, in general, not be provided.

In any circumstance, the grade will not be based on the homework and the final alone! There has to be at least one midterm grade.

□ No late homework will be accepted after the homework solutions have been posted on the course website. If you are unable to attend lecture on a certain Friday, please talk to the instructor regarding arrangements for submitting your homework prior to the deadline. A missed homework will result in a mark of 0. The worst homework assignment grade will be dropped.