

Math 112 - Calculus II

Syllabus and General Course Information-Fall 2016

Professor: Noah Aydin **Office:** RBH 319 **Phone:** 5674 **E-mail:** aydinn@kenyon.edu

Class web page: <http://www2.kenyon.edu/Depts/Math/Aydin/Teach/112/>

Office Hours: MW 11-12; T 9-11; R 8-9 and by appointment

Class Meetings : MTWF: 8:10-9 pm in PRCL 109

Textbook: Calculus, Early Transcendentals, by Briggs, Cochran, & Gillett. 2nd edition, Pearson

Course Content: The second in a three-semester calculus sequence, this course continues with the study of integration. There will be 3 major parts in this course: i) techniques of integration, ii) applications of integration, iii) sequences and series. The course will culminate in Taylor's theorem. Most of the following chapters from the textbook will be covered: **6, 7, 8, 9** (Chapters 1-5 are covered in Calculus I)

Prerequisite: Math 111 (Calculus 1) or AP equivalent. Please see me if you do not meet the prerequisite.

Grades: Final grades will be determined based on the performance in the following components.

Component	% of Total
My Math Lab Homework	10
Quizzes	10
Participation/Attendance/Enthusiasm	7
Writing Project	7
Gateway Exam	7
3 Midterm Exams	36
Final Exam	25
Total	102 (2% bonus)

Exam Dates:

There will be 3 midterm exams, a gateway exam, and a 3-hour comprehensive final exam in this course. I am giving you so many exams to keep the stakes relatively low on any one exam. More information about the gateway exam is provided on the course web page. A make-up exam will be administered only in the presence of an excused absence or prior approval from the instructor. The *approximate dates* of the exams are as follows. There may be changes to these dates.

Midterm I: Monday, Sep 26 (week 5)

Gateway Exam (first offering) Mon Sep 12 (week 3)

Midterm 2: Monday, October 24 (week 9)

Midterm 3: Friday, November 18 (week 12)

Final Exam: Wednesday, December 14 , 1:30 pm

Information about the gateway exam is available on course web site.

Daily Reading: Reading the textbook before each class and trying online homework problems are necessary. You should come to class prepared with questions and comments for discussion. Lecturing in class will be minimized and more time will be devoted to problem solving.

Quizzes: There will be frequent quizzes in this course. They may or may not be announced, so expect a quiz every day. There will be no make ups for quizzes for any reason. A number of lowest scores will be dropped. The purpose of frequent quizzes to make sure that you study regularly, and come to class prepared.

Class Presentations: Solving many problems is necessary to gain a deep understanding of Calculus. It is also important to communicate your solution to others. The process of explaining your ideas to others will help you clarify them for yourself. A number of problems will be assigned from each section for you to work on. Volunteers will be called to present solutions in class. It would be a very good idea to form study groups, and set aside regular times every week to study.

Participation: Your participation grade will come from the combination of attendance, the level of participation and presentation, engagement in class work, and enthusiasm to learn the material. Attendance, good attitude, and regular work will lead to good scores for this component, and success in the course.

Writing Project: You will write a mathematical paper in this course. Expressing your ideas in writing is important in any discipline including mathematics. The writing project will focus on deep thought and clear expression. The process of writing a paper has two major components. The first is to work out the mathematical details of the problem that you were assigned. The second is to make sense of those mathematical details and to organize them into a coherent narrative. The paper may very well include symbols, computation and graphs; however, these will need to be accompanied by generous verbal explanations that explain the mathematical ideas. You will be expected to write clearly and coherently using correct mathematical and English grammar. While it is unlikely that you'll have to integrate complicated functions in your life after school, it is likely that you will have to communicate technical information in a comprehensible way. This is a start toward doing that. More information and details will be provided

Computer Use Policy in the Classroom: Inappropriate use of computers in the classroom is strictly prohibited and will not be tolerated. Inappropriate use of computers is anything unrelated to the classwork. Some examples are checking/writing e-mail, surfing the net, playing games, social media, instant messaging etc.

Academic Honesty: The rules set forth in the 2016-2017 Course Catalog apply to all aspects of this course. In general, any work submitted for credit must result directly from your own understanding, thoughts, and ideas. Presenting the work of others as your own is strictly prohibited. In the case of homework you may collaborate with others in discussing how a problem may be solved, but the final submitted solution must be your own work, written by you independently. When you collaborate with your classmates on projects, all members of the group should make equivalent contributions to the completion of the project. Furthermore, all members of the group should be involved in all aspects of project completion. If you are uncertain about the expectations for this class, please ask for clarification. <http://www.kenyon.edu/directories/offices-services/registrar/course-catalog-2/administrative-matters/academic-integrity-and-questions-of-plagiarism/>

Disabilities: If you have a disability which requires an accommodations in this class, please feel free to discuss your concern with me, but you should also consult Ms. Erin Salva, the coordinator of student access and support services (salvae@kenyon.edu, x5453). It is Ms. Salva who has the authority and expertise to decide on the accommodations that are proper for your disability. Though I am happy to help you in any way I can, I cannot grant any accommodations without a notification from Ms. Salva.

Title IX

Kenyon College seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault, we encourage you to report this. If you report this to a faculty member, she or he is obligated to notify our college's Title IX coordinator about the basic facts of the incident (you may choose whether you or anyone involved is identified by name). The Title IX coordinator will assist you in connecting with all possible resources both on and off campus. For more information about your options at Kenyon, please go to: <http://www.kenyon.edu/directories/offices-services/office-of-equal-opportunity/sexual-assault-and-harassment/>