

Math 10260, Calculus II for Business — Spring 2012

Textbook: “Calculus: Ideas and Applications” (ISBN 0471654957), by Alex Himonas and Alan Howard. It is available in the bookstore as a bundle consisting of the second (corrected) printing and the Students Solutions Manual.

Activities: These “*Notebooks*” can be obtained from 301 O’Shaughnessy Hall for the price of \$10.00 each. They provide an outline of the concepts discussed in each class and examples demonstrating their application. They facilitate student participation, taking notes, and keeping all sections at the same pace.

Section	Instructor	Class Schedule	Office	email@nd.edu
1	Bruce Williams	MWF 8:30 - 9:20 HAYE 117	Hurley 164	bruce@nd.edu
2	Nan Li	MWF 9:35 - 10:25 HAYE 127	HAYE 108	nli2@nd.edu
3	Alex Himonas	MWF 10:40 - 11:30 HAYE 129	Hurley 274	himonas@nd.edu
4	Karsten Grove	MWF 12:50 - 1:40 HAYE 231	Hurley 276A	kgrove2@nd.edu
5	Melissa Davidson	MWF 1:55-2:45 HAYE 231	HAYE253B	mdavids4@nd.edu
6	Nan Li	MWF 11:45 - 12:35 HAYE 117	HAYE 108	nli2@nd.edu

Objectives: The main objective of Math 10260 is to help you learn mathematical concepts, techniques, and ideas that are useful in understanding and solving real life problems that arise in economics and business. An important basic skill you will learn from the course is translating a given real life problem into a mathematical one. You can then solve the mathematical problem to gain insights for the real life problem.

Electronic Course Information: Most information for this course - **homework assignments, exam dates and venue, reviews, practice exams, etc.** - will be posted on the web at

<http://www.nd.edu/~m10260>

Exam and Homework Schedule:

	Date	Day	Time	Room	Points
Midterm 1	Feb. 9	Thursday	8:00 – 9:15 AM	On course website	100
Midterm 2	Mar. 8	Thursday	8:00 – 9:15 AM	On course website	100
Midterm 3	Apr. 19	Thursday	8:00 – 9:15 AM	On course website	100
Final	May. 7	Monday	1:45 – 3:45 PM	TBA	150
Homework	collected on each class day				80
Participation	participation & activities (5 pts), projects (15 pts)				20
Online Quizzes	Schedule posted on course website				50
Total points:					600
<i>Bonus points for outstanding projects (which will be posted on course web-page):</i>					10

Cutoffs for major grades (A, B, C, D, F) for each exam will be assigned and announced in class so students have some indication of their level of performance. Your final grade will be based on your total score out of 600.

Missed Exams: Note that there will be three Midterm Exams and a Final Exam. A student who misses an examination will receive **zero points** for that exam unless he or she has written permission from the Dean of the First Year of Studies. Please be aware that travel plans, sleeping in, defective alarm clocks, etc. are **not** considered to be a valid excuse by the Dean of the First year of Studies! If you have a valid excuse (illness, excused athletic absence, etc.) for missing an exam, please see me ASAP (preferably before the exam) and a makeup exam will be scheduled.

Exam Conflicts: Students with **more than 2** finals in one day, or **more than 3** finals in a 24 hour period, may negotiate to change the time of one of these finals. If you intend to request to have the time of your Math 10260 final changed, you must talk to your instructor by **March 31**.

Honor Code: Examinations, homework and quizzes are conducted under the honor code. While collaboration in small groups in doing homework is permitted (and strongly encouraged) in this course, copying is not. In particular, **copying from the Student Solutions Manual is a violation** of the Honor Code. Exams are closed book and are to be done completely by yourself with no help from others.

Homework: Homework problems are assigned daily. You are encouraged to work on homework problems in groups, but the assignments must be turned in individually. Remember that you **will not learn anything by simply copying another student's work or the Student Solutions Manual**. The main purpose of the homework is to help you learn the material and assess yourself. Experience shows that students who take their homework seriously do very well in the course because they have a better understanding of the material.

Homework Policy: Your work has to be clearly and logically written, showing method of solution not just a final answer. **Please staple your work together**. Any homework assignment failing these standards will NOT be graded. Homework assignments will be collected in each class according to the schedule posted on the Math 10260 website. Three lowest homework scores will be dropped. **Absolutely no late homework** will be accepted. If you need to attend a school related event, you may turn in your homework early or arrange to have your peer turn it in on the day it is due.

Online Quizzes: At the end of each chapter there will be a computer review-quiz. Access the quiz at the web address "<http://oit.nd.edu/concourse/>". The login name is the NetID and the password is the usual one a student uses to read email. For more information, refer to the Math 10260 website; click on "ONLINE QUIZ."

Online Quiz Submission Policies: All submission deadlines for online quiz on CONCOURSE are fixed. You are highly encouraged to **SUBMIT** your quiz well ahead of deadlines. We **DO NOT** accept excuses like: "My computer/web servers shut down just before I could submit my quiz on time." Save your work often while working on your quiz. This ensures that no work is lost **BEFORE** the submission deadline. Enough "buffer" time is given to ensure timely submission of your work.

Project: The goal of these projects is to give students the opportunity to make their own connection between mathematics and modern society by considering a wide variety of problems ranging from economic and environmental issues to social and political situations that can be modeled and solved by mathematical means. They will help students establish connections between Math 10260 and other courses. In addition, they will provide students with an opportunity to interact and collaborate with classmates. **Please read project rules and the project options open to you.**

Class Attendance: A student who accumulates more than 3 unexcused absences may be given an F.

Classroom Policies: Your instructor may set aside some class time for you to work on Activity Sheets alone or in small groups. Sometimes, these will be collected and graded. If you have numerous questions on some topic, you should see your instructor sometime before the next class as there will likely not be sufficient time to answer all of your questions. During "lectures" you are encouraged to actively participate by answering and asking questions.

Please do your best to show up on time. If this is not possible please enter the room quietly. Please remember to respect your peers who are here to learn. Indeed, class disruptions will **not** be tolerated and offending parties will be asked to leave.

Study Suggestions: After each lecture, it is often useful to go back over it. Ask yourself what is the main problem of the day and then review its solution. Rewrite your notes in your own words if that helps. Read the corresponding section(s) of the book and see if the examples there make sense. Then begin the homework problems. If you have questions, try to get help before the next class. It will also be very helpful to look over the portion of the text to be covered in the next class and come to class prepared with questions about any part of the material that is unclear to you.

Getting Help: You can get help for mastering the course material from the following three avenues below. More information can be obtained from the 10260 course website; click on "MATH HELP."

- **Instructor's Office Hours:** The schedule will be posted on Math 10260 website or make an appointment to meet your instructor. It is important that you see your instructor soon when you have difficulty with the course. The earlier you meet with your instructor, the more we can do to help and advise.

- **Mathematics Department Help Session:** There will be help sessions offered by student tutors. The schedule will be posted on Math 10260 website; click on "MATH HELP." Please note that the tutors are **NOT** there to do your homework. In fact, tutors are instructed to guide you to the answer and not to do your homework. Please do not ask the tutors to grade your homework and be specific about what you like to discuss.

- **Learning Resources Center (LRC) Help:** You may also obtain valuable assistance from the **LRC** in the First Year of Studies:

Math 10260 Tutoring Program,
Math 10260 Collaborative Learning Program,
Math 10260 Special Help Sessions.

If you wish to participate in the Tutoring Program or Collaborative Learning Program, you must sign up with Ms. Nahid Erfan, Director of **LRC**. Regular attendance is required for these programs. Sign-up and regular attendance are **not** required for the Math 10260 Special Help Sessions.

Calculators: You may use a graphing calculator on homework assignments and exams.