Mathematics 105, Calculus I
Fall Semester 2002
General Information for Sections 07

Textbook: *CALCULUS Ideas and Applications, Chapters 0–5*
by Alex Himonas and Alan Howard, Wiley 2002.

Instructor: Bei Hu
Office Hours - MW 12:45-1:45 PM, or by appointment
Office - Hayes-Healy 146
Phone - 631-5352
Email - b1hu@nd.edu

Time and Place: MWF 1:55–2:45 PM in CUSH 303;

Syllabus: We will cover chapters 0-5. Chapter 0 will be treated as a review material.

Electronic Course Information: Most information for this course including homework assignments will be delivered using the web at
http://www.nd.edu/~math105

Exam and Homework Schedule:

<table>
<thead>
<tr>
<th></th>
<th>Date</th>
<th>Day</th>
<th>Time</th>
<th>Room</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm 1</td>
<td>Sept. 24</td>
<td>Tuesday</td>
<td>8:00–9:15 AM</td>
<td>DBRT 129</td>
<td>100</td>
</tr>
<tr>
<td>Midterm 2</td>
<td>Oct. 17</td>
<td>Thursday</td>
<td>8:00–9:15 AM</td>
<td>NIEU 118</td>
<td>100</td>
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<tr>
<td>Midterm 3</td>
<td>Nov. 21</td>
<td>Thursday</td>
<td>8:00–9:15 AM</td>
<td>NIEU 118</td>
<td>100</td>
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<tr>
<td>Final</td>
<td>Dec. 17</td>
<td>Tuesday</td>
<td>1:45–3:45 PM</td>
<td>TBA</td>
<td>150</td>
</tr>
<tr>
<td>Homework</td>
<td></td>
<td>collected daily – class activities and quizzes</td>
<td></td>
<td></td>
<td>100</td>
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Total Points: 550

Cutoffs for major grades (A, B, C, D, F) will be assigned for each exam and announced in class so students have some indication of their level of performance. Your final grade will be assigned on the basis of your total score out of 550.

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 105 final changed, you must talk to your instructor by November 22.

Honor Code: Both examinations and 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. Exams are closed book and are to be done completely by yourself with no help from others.

Homework: Homework problems from the text will be assigned each class meeting and collected during the following class. 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. The main purpose of the homework is to help you learn the material. 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 collection policy:** Homework assignments will be collected at the end of class on the assigned day. The three lowest homework scores will be dropped, which means absolutely **no late homework** will be accepted.

**Computer Review Quiz:** Before the Final Exam there will be one computer review-quiz. You will receive more information about this later.

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

**Classroom Policies:** On a typical class day, I will spend the beginning of class answering questions, with the remainder of the class being the day’s “lecture”. I will sometimes set aside some class time for you to work on Activity Sheets alone or in small groups under my supervision, and these will sometimes be collected for grading.

If you have numerous questions on some topic, you should come to see me 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. I hope you will find the classes interesting and worthwhile.

Please do your best to show up on time and quietly enter the room when this is not possible. Please remember to respect your colleagues who are here to learn. Indeed, class disruptions will **not** be tolerated and the 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 you to look over the portion of the text to be covered next class and come to class prepared with questions about any part of the material that is unclear to you.

**Getting Help:**
- See me in office hours or make an appointment. You are welcome to drop in, but please understand that I may not be there or have other scheduled meetings if you have not made an appointment.
- **Mathematics Department Help Session:** There will be help sessions offered by Paulina Presa. The schedule will be posted on math 105 Web page.
- **Learning Resources Center (LRC) Help:** You may also obtain valuable assistance from the LRC in the First Year of Studies:
  - **Math 105 Tutoring Program** - beginning Tuesday, September 10
  - **Mathematics 105 Workshops** - Sunday 3:30-5:30 PM in Cushing 205, beginning Sunday, September 15

  **Collaborative Learning Program** - Tuesday and Thursday 6:30-8:00 pm in the Learning Resource Center, Coleman Morse 243, beginning Monday, September 16.

You must sign up for the Collaborative Learning Program or Tutoring Program with Ms Nahid Erfan, Director of LRC, if you wish to participate and regular attendance is then required. Sign-up and regular attendance are **not** required for the Math 105 Workshops.

**Calculators:** You are expected to use a graphing calculator on all homework assignments and exams.