

Stony Brook University.
MAT 123 — Precalculus, Summer 2011.
Instructor: Marcelo Disconzi.

1. Basic information.

course webpage:

<http://www.math.sunysb.edu/~disconzi/Teaching/MAT123-Summer-11/MAT123-Summer-11.html>

Important: Updates will be posted on the webpage, make sure to check it on a regular basis.

time and locations: the course will meet from July 11th to July 29th, Mondays thru Fridays, in Physics P-116 from 9:45am to 12:45pm.

instructor's e-mail: disconzi@math.sunysb.edu

instructor's office: 2-114 (second floor) of the Mathematics Building.

instructor's office hours: Mondays from 3pm to 5pm at the MLC and on Thursdays from 4pm to 6pm at my office. Recall, however, that the MLC is a place for helping students; hence, you may come to the MLC any time you want and certainly you will find a tutor there to help you. If this schedule does not work for you, send me an email to set up an appointment.

textbook: Precalculus Essentials, 3rd edition, by Blitzer.

2. Course description.

The course will develop the basic pre-requisites and tools necessary for a comprehensive understanding of Calculus. The emphasis will be on problem solving and practical applications.

3. Grading policy.

Quizzes (10%) — There will be a 10-15 minutes quiz every class. The lowest grade will be dropped.

Homework (25%) — Each homework will consist of 10 problems assigned from the textbook and totalizing 100 points. Among the 10 problems, two will be chosen to be fully graded and will be worth 60 points. The remaining 8 problems, worth 5 points each, will not be graded for accuracy but rather according to whether the student made a serious attempt to solve it. The questions that will be graded in full will be chosen at random, so be sure you are completing all problems. The lowest homework grade will be dropped. Any change in homework assignment will be posted on the course webpage.

Midterm (25%) — Wednesday, July 20th, at 11:15am, covering sections 1.1 to 3.5 (notice that sections which are not covered in HW will not be on the test).

Final (30%) — Friday, July 29th, 9:45am. Cumulative but with emphasis on sections 4.1 to 5.5 (notice that sections that are not covered in HW will not be on the test).

Class participation (10 %). By class participation, I mean willingness to engage in meaningful class discussions and interactions with both the instructor and other students.

Important remarks — Any change to the above — including changes on the content and dates of the exams — will be posted on the website; hence, make sure to visit the website on a regular basis. There is no make up policy for homework, and quizzes and late homework will not be accepted. However, you may be offered a make up Midterm or Final if you have a legitimate documented excuse.

4. Homework assignment

Below are the homework assignments together with the dates they are due. Bold numbers indicate the section of the textbook. For more practice, you should try the suggested problems, although these will not count as part of the final grade.

Due Date	HW Problems	Additional suggested problems (not mandatory).
July 12	1.1: 2, 4, 13, 49, 55, 64, 65, 69, 70, 74	1.1: 6, 13, 16, 47
July 13	1.2: 2, 3, 13, 14, 15, 28, 30, 38, 110, 114	1.2: 7-10, 16-19, 39-42, 118
July 14	1.10: 1, 7, 10, 20, 21, 25, 56, 64, 67, 70	1.10: 27, 30, 31, 32, 43
July 15	2.6: 8, 31, 51, 53, 59, 67, 70, 103, 109, 118	2.6: 9-14, 23, 120-123
July 18	3.1: 28, 35, 41, 42, 53, 54, 65, 83, 85, 91	3.1: 21-24, 61, 63, 77-80
	3.2: 21, 24, 27, 33, 43, 78, 80, 120, 135, 137	3.2: 38, 50, 89, 95, 102, 120, 122, 124, 126
	3.3: 5, 14, 25, 34, 40, 48, 54, 89, 103, 121	3.3: 27, 33, 42, 70, 94, 97, 99, 103, 123, 138
July 19	3.4: 2, 8, 14, 26, 32, 41, 44, 62, 104, 117	3.4: 67, 72, 78, 84, 91, 97, 101, 102, 118, 120
July 20	3.5: 9, 13, 14, 31, 32, 60, 62, 67, 75, 78	3.5: 79-83
July 21	4.1: 1, 2, 35, 36, 42, 44, 46, 101, 102, 112	4.1: 22, 29, 54, 70, 87, 119
July 22	4.3: 8, 13, 18, 20, 32, 43, 54, 58, 64, 70	4.3: 15, 17, 18, 19, 44, 49, 50, 85, 86, 89
July 25	4.4: 9, 14, 15, 68, 70, 84, 92, 93, 105, 106	4.4: 13, 67, 87
	4.5: 7, 9, 19, 45, 62, 84, 88, 90, 118, 122	4.5: 12, 16, 47, 59, 63, 89, 95
July 26	4.6: 1, 2, 3, 4, 5, 7, 10, 11, 67, 68	4.6: 6, 8, 12
July 27	1.8: 1, 4, 7, 19, 24, 29, 32, 33, 87, 88	1.8: 2, 3, 6, 20-23, 35-38, 72
July 28	4.7: 1, 2, 4, 5, 8, 10, 13, 16, 99, 122	4.7: 17, 47, 55, 101
July 29	5.5: 11, 12, 16, 18, 22, 34, 52, 56, 138, 141	5.5: 25, 29, 33, 39, 41, 43, 45, 137

5. Calculators

Calculators will not be allowed in exams and quizzes. While you can use them for the HW, you are encouraged to get used to doing calculations by hand. Notice that you don't have to write all answers in terms of decimals, i.e., an answer such as $\frac{3\sqrt{5}}{\pi}$ is perfectly fine: you don't need to further simplify it using a calculator. Moreover, rounding off and approximating is not only allowed, it is strongly encouraged. For example, if you have $\frac{\sqrt{145}}{2}$ you should notice that since $\sqrt{144} = 12$, we have $\sqrt{145} \approx 12$, so that $\frac{\sqrt{145}}{2} \approx 6$.

6. Feedback

Students are encouraged to offer suggestions and to discuss with me any concerns they might have. If you do not feel comfortable about seeing me to discuss something you think is not being properly handled in the course, there is an anonymous feedback system in the course webpage.

7. Policy on plagiarism and cheating

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Any suspected instance of academic dishonesty will be reported to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary/>

8. Students with Disabilities

If you have a physical, psychological, medical, or learning disability that may impact on your ability to carry out assigned course work, you are strongly urged to contact the staff in the Disabled Student Services (DSS). Disability Support Services is in the ECC building, directly behind the Psych A building and diagonally across the back parking lot of the SAC. Along the path there is a blue and

white sign that says Disability Support Services. There are automatic door buttons outside the front door and inside the Vestibule. Telephone: (631) 632-6748 email: dss@notes.cc.sunysb.edu. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation of disability is confidential. Arrangements should be made early in the semester so that your needs can be accommodated.