**MATH 241, Sec. 03xx:** CALCULUS III (An Introduction to Multivariable Calculus)

**Department of Mathematics, UMCP**                                  **Fall 2017**

<u>Handout 1</u>: SYLLABUS AND POLICIES                    <u>Date</u>: Monday, 08/28/17

**Lecture Room:** ARM 0126                    **Time:** MWF 11:00a.m. – 11:50a.m.

**Instructor:** Prof. Dio Margetis; e-mail: dio@math.umd.edu
Office: MATH 2106;    telephone: 405-5455.

**Office hours:** MW 12:00p.m.-12:50p.m., after lecture, starting on Wed 09/06/17; or by appointment. Students coming to office hours should have *specific and well defined* questions.

**Prerequisites:** MATH 141.

**Texts**: **1)** <u>R. Ellis & D. Gulick, *Calculus*, 6th Edition, Thomson, 2003</u>. 2) B. Hunt, R. Lipsman & J. Rosenberg, *A Guide to MATLAB: For Beginners and Experienced Users*, 2nd Ed., Cambridge University Press. 3) J. Cooper, *MATLAB: Companion for Multivariable Calculus*, Harcourt/Academic Press. Only text **1)** will be followed in class lectures.

**Material:** Introductory concepts and techniques for calculus with more than one real variable. https://www-math.umd.edu/undergraduate/departmental-course-pages/offered-courses/373-math-241-calculus-iii.html

**Course Website:** Any handouts and updates on the course will be posted on:
    http://www.math.umd.edu/∼dio/courses/MATH241/

**Teaching Assistants (TAs) & Sections:** Sections are held Tue/Thu, starting Aug 29.
• Raymond Schram (rschram1@math): Secs. **0311**: 10am, MTH0402; **0321**: 11am, MTH1308
• Yousheng Shi (yshi1235@math): Secs. **0312**: 10am, MTH0409; **0322**: 11am, MTH0303
• Amit Nag (nag.amitis@gmail.com): Secs. **0331**: 12noon, PHY0405; **0341**: 1pm, MTHB0423
• Jesse Milzman (jmilzman@math): Secs. **0332**: 12noon, JMP2202; **0342**: 1pm, MTHB0425
Check course website for updates on TA's by Wed 08/30/17.

**Matlab:** Exercises to be solved with Matlab will be given in sections by the TAs. A <u>7% credit</u> will be given to students who return solutions. *Solutions returned late won't be collected, nor given any credit.* Guidelines for Matlab are posted on the course website.

**Exams:** <u>There will be **4 in-class** exams and **one final** exam.</u> Dates for in-class exams are: <u>Mon. Sept. 25, Mon. Oct. 23, Wed. Nov. 15, and Fri. Dec. 8. Only **3** in-class exams count towards final grade.</u> The **Final Exam** is on **Wed. Dec. 13, 1:30pm-3:30pm**, Rm TBA.
**Advice:** Take ALL exams. Students who miss more than 1 in-class exam take risks. **Students who also take MATH246:** There will be an alternate final exam, time & room TBA.

**Quizzes: 8** quizzes will be given at sections (i.e., Tue/Thu) on: Thu Sept. 7, Thu. Sept. 14, Tue Oct. 3, Tue Oct. 17, Thu Nov. 2, Thu Nov. 9, Tue Nov. 28, Tue Dec. 5. The quizzes will be based on recommended homeworks. <u>7 out of 8 quizzes will count towards final grade.</u>

**Make-up exams:** *There will be no make-up exams*: If you plan to be absent from a test and you provide *well in advance* (10 days) a *documented, valid, verifiable* justification for the reason of your absence from the test, you will be given the chance to shift the weight of the missed

test to the final exam. In case of a medical or family emergency, please contact me as soon as is practical, preferably before the exam. In such case: if valid and documented justification is provided, the weight of the missed test may be shifted to the final exam. (For guidelines, see https://www.president.umd.edu/administration/policies/section-v-student-affairs/v-100g)

**Homeworks:** <u>There are no required homeworks.</u> Problems from the textbook will be assigned on Fridays for your practice. No solutions will be handed out. Your solutions won't be collected.

**Grades: 54%** from 3 in-class exams (equal weight); **14%** from 7 quizzes (equal weight); **7%** from Matlab projects (starting late Sept.); and **25%** from final exam. The in-class exam and quiz with the lowest grades won't count towards the final grade.

**Exam policies:** <u>No calculators</u>, <u>NO NOTES</u> and no textbooks are allowed during any written test. Your answers must be given in coherent English sentences. Minor algebraic and numerical errors, such as missing a sign, that are not symptomatic of a conceptual misunderstanding are penalized minimally. Egregious errors, such as $\frac{1}{a+b} = \frac{1}{a} + \frac{1}{b}$, are penalized severely.

If you feel that you are entitled to more points on a test, **resubmit your paper** with a note explaining why you feel your grade should be changed. (Since each questioned problem will be very carefully reexamined, it is possible that you could actually end up losing points in the reevaluation.) For written tests taken before the final exam, the request for re-evaluation of a test paper will be considered as overdue if this request is made later than 7 days after the return of the (graded) test. An exception concerns the last in-class exam and the last quiz, for which the allowed time will be limited to 3 days. The Instructor and TAs reserve the right to **disregard your paper resubmission if they deem this is overdue or unsubstantiated**.

**Academic Integrity.** You are expected to adhere to the following instruction.

The University of Maryland, College Park has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit http://www.shc.umd.edu.

To further exhibit your commitment to academic integrity, remember to sign the Honor Pledge on all examinations and assignments: *"I pledge on my honor that I have not given or received any unauthorized assistance on this examination (assignment)."*

**Additional note for MATH 241:** You will not be asked to sign such a pledge on possible homework assignments, but you are expected to adhere to the principles of the pledge.

**Course-related policies:** See http://www.ugst.umd.edu/courserelatedpolicies.html

**Students With Disabilities**. Students with disabilities should provide me with **a stamped accommodations sheet from the DSS office**. They should also arrange that I receive **within the first week of September, 5** <u>*Test Authorization Forms* (of DSS), one for each exam.</u>

**Religious Observances**. If you plan to be absent from class because of religious observances, please submit a list of the dates of your absences within the next couple of days.

**Counseling**. For confidential counseling, students are encouraged to contact the UMD Help Center, 301-314-HELP (4357).