AMSC/CMSC 466, Sec. 0101: Introduction to Numerical Analysis I  
Department of Mathematics, UMCP  
Handout 1: COURSE SYLLABUS AND POLICIES  

Date: Monday, 08/28/17  

Lecture Room: MTH 0303  
Time: MWF 9:00–9:50am  

Instructor: Prof. Dio Margetis; dio@math.umd.edu; MATH 2106, 5-5455.  
Office hours: MW 10:00am-10:45am, or by appointment; the regular office hours start on Wed Sept. 6. Since I am occasionally called away for research, it is advisable to check with me before dropping by. Students should have specific and well defined questions.  

Prerequisites: \{MATH 240 and MATH 241\}, or \{MATH 340 and MATH 341\}; and \{CMSC 106 or CMSC 131\}.  

Required text: G. W. Stewart, Afternotes on Numerical Analysis, SIAM, 1996. In addition to the textbook, we will use lectures notes on numerical analysis written by Prof. Doron Levy. These lecture notes will be available to the students.  

Course outline: Introductory concepts and methods of numerical analysis.  
A syllabus for the course is given on the Mathematics Department web page:  
www-math.umd.edu/offered-courses/421-amsc-466-introduction-to-numerical-analysis-i.html  

Course webpage (evolving): http://www.math.umd.edu/~dio/courses/AMSC466/  
Homeworks and any updates on the course material will be posted there.  

Teaching Assistant/Grader: Danielle Middlebrooks (dmiddle1@math.umd.edu)  
Matlab: Some of the homework problems require very basic programming skills. This is not a programming class, so it will be assumed that you have some basic programming knowledge. You are asked to use Matlab for the computer assignments. Access to Matlab is available on the University computer systems. You can also purchase a student version of the program for your own computer. There are various online resources which teach basic Matlab programming. In case you do not know how to work with Matlab, you should go over some of these resources quickly. Links to several online resources will become available on the course webpage.  
Timing of Exams: There will be three in-class (midterm) exams and one final exam. Dates for in-class exams are: Monday Sept. 25, Monday Oct. 23, Friday Dec. 8. The Final Exam is scheduled for Saturday, December 16, 8:00am-10:00am; in same room as lectures.  
Homeworks: There will be 9-11 sets of required homeworks. Once assigned, each homework must be turned in by the date specified. Late homeworks will not be accepted. Homeworks are due in class only. (To be clear: Please do not leave any homework in my mailbox, under the door, etc. Such homework will not be graded.)  
Legibility and clarity are required for both exams and homeworks. You are encouraged but not required to prepare homework sets by word processor. Illegible problems will not be graded.  
Note on calendar: There will be NO CLASS on the Wednesday of Thanksgiving Week.
Grading scheme: 40% from two in-class exams (of equal weight, 20% each); 25% from homeworks; and 35% from the final exam. The in-class exam with the lowest score is dropped.

Make-up exams: There will be no make-up exams: If you plan to be absent from an exam and you provide well in advance (usually, 1 week) a documented, valid, verifiable justification for the reason of your absence from the exam, you will be given the chance to shift the weight of the missed exam 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 exam may be shifted to the final exam.

Exams policy: No calculators are allowed during exams. No Matlab problem will be assigned in exams. No notes or textbook will be allowed during exams. Explanations in your exam papers 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 will be penalized minimally. Egregious errors, such as $\frac{1}{a+b} = \frac{1}{a} + \frac{1}{b}$, will be penalized severely.

If you feel that you are entitled to more points on an exam paper or homework, you may resubmit it explaining why you feel your grade should be changed. (Since each problem will be very carefully reexamined, it is possible that you could end up losing points in the re-evaluation.) The request for re-evaluation of an exam paper or homework is considered overdue if this request is made later than 10 days after the return of the (graded) test. An exception concerns the last in-class exam, for which the allowed time will be 3 days. The Instructor and TA will disregard your resubmission if this is overdue or unsubstantiated.

Academic Integrity. All work that you submit must be your own. You are welcomed to discuss the material with each other in a general way, but you may not consult any one else’s written work. Any marked similarity in form between submissions with different authors might be regarded as evidence of academic dishonesty. You must cite any reference you use and clearly mark any quotation or close paraphrase that you include. Such citation will not lower your grade, although extensive quotation might. Homework should be done individually.

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 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).”

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, 4 Test Authorization Forms (of DSS), one for each exam.

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 first week of classes.

Counseling. For confidential counseling and help with personal issues, students are encouraged to contact the UMD Help Center, 301-314-HELP (4357).