

MATH 462, Sec. 0101: Partial Differential Equations

Department of Mathematics, UMCP

Handout 1: COURSE SYLLABUS AND POLICIES

Fall 2018

Date: Tuesday, 08/28/18

Lecture Room: ITV 1100 (Instructional Television Facility) **Time:** TueThu 9:30–10:45am

Instructor: Prof. Dio Margetis; dio@math.umd.edu; MATH 2106, 5-5455.

Office hour: **Tue 10:45am-12:00noon** (after class), or by appointment. Regular office hour starts on Tue. 09/04/18. Students should have *specific and well defined* questions.

Prerequisites: {MATH 241 and MATH 246}, or {MATH 340 and MATH 341}.

Required text: W. A. Strauss, *Partial Differential Equations: An Introduction*, 2nd Edition, Wiley, 2008. In addition to the textbook, I will use my own notes and may discuss exercises not in the textbook. Students are **strongly advised to attend lectures regularly**.

Course outline: Introductory concepts and methods for partial differential equations with applications in the sciences and engineering. A syllabus is given by the Math. Department:

www-math.umd.edu/undergraduate/departamental-course-pages/offered-courses/404-math-462-partial-differential-equations-for-scientists-and-engineers.html

Course webpage (evolving): <http://www.math.umd.edu/~diom/courses/MATH462/>
Homeworks and any updates on the course material will be **posted at this website**.

Grader: TBA (in class and on course website)

Timing of Exams: There will be **three** in-class (midterm) exams and **one final** exam. Dates for the in-class exams are: Tuesday Oct. 16, Tuesday Nov. 13, Tuesday Dec. 4. The exam with the lowest score is dropped: only **two** of the three in-class exams will count toward final grade. The Final Exam is scheduled for **Thursday Dec. 13, 8:00am-10:00am**, in room of regular lectures. **Advice:** Take ALL exams. Students who miss more than 1 in-class exam take risks; and will be called upon to provide explanations.

Homeworks: There will be several (5-10) 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**.

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.

Grading scheme: **40%** from **two** midterm exams (of equal weight, 20% each); **25%** from homeworks; and **35%** from the final exam.

Make-up exams: **There will be no make up exam:** if you plan to be absent from a test and you provide *well in advance* (10 days, usually) a *documented, valid, verifiable* justification for the reason of your absence, 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 a case: if valid and documented justification is provided, the weight of the missed test may be shifted to the final exam. (For guidelines, see <http://www.president.umd.edu/administration/policies/section-v-student-affairs/v-100g>)

Exams policy: No calculators are allowed during 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 or homework, you may **resubmit your paper** with a note explaining why your grade should be changed. (Since each questioned problem will be very carefully reexamined, it is possible that you could end up losing points in the re-evaluation process.) For the papers submitted before the final exam, the request for re-evaluation is overdue if it is made later than 5 days after the return of the (graded) paper. An exception concerns the last in-class exam and the last homework, for which the allowed time for re-evaluation submission is 2 days. The Instructor and grader reserve the right to **disregard your paper resubmission if they deem this is overdue or unsubstantiated.**

Academic Integrity. All work that you submit must be your own. You are welcomed to discuss the material of homework 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. Beware: 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://shc.umd.edu/SHC/Default.aspx>

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

Additional note for MATH 462: 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 documented disabilities **should come see me and provide me with a stamped accommodations sheet from the ADS office in the first week of classes.** I also ask them to register electronically with ADS all (4) exams *in the beginning*, within the 1st week of September.

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).