MAT 517. Partial Differential Equations and Fourier Series  
A. Lutoborski, Syracuse University  
Fall 2012.

Classes: Section 1, M- W-F, 9:30-10:25, Carnegie Building, Room 300.

Instructor: Professor Adam Lutoborski, Department of Mathematics,  
213 A Carnegie, phone: 443-1489, e-mail: alutobor@syr.edu

Office Hours: Mondays 3:00-4:00, Wednesdays 3:00-4:00.

Wiley, 2nd edn.

Prerequisites: MAT 514 or MAT 485.

Course Description: The course discusses the basic material on partial  
differential equations and on the use of Fourier series in the solution of partial  
differential equations. Boundary value problems in rectangular, cylindrical and  
spherical coordinates are studied. We will cover select sections (marked with a  
star) from Chapters 1, 2, 3, 4, 5, 6 of the text.

Homework: Homework will be assigned after each class. It will be the basis for  
weekly quizzes. The best way to learn course material is to do problems.

Exams, Final Exam: There will be 2 exams: Exam 1 after Chapter 3 is covered  
and Exam 2 after Chapter 5 is covered. Precise dates will be announced in class.  
Final exam will be on Dec 13, Thursday, 5:15-7:15 pm in Carnegie Room 219.  
There will be absolutely no make-ups for any reason. If you miss a test for a valid  
reason, the final exam grade will count correspondingly. Exams will be preceded  
by a review. Everyone is required to take the final exam.

Course Grades: Course grades will be determined by: 2 tests: 50% (25% each),  
quizzes: 25%, final exam: 25%.

Disability-Related Accomodations: Students who are in need of  
disability-related academic accommodations must register with the Office of  
Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498.  
Students with authorized disability-related accommodations should provide a  
current Accommodation Authorization Letter from ODS to the instructor and  
review those accommodations with the instructor. Accommodations, such as exam  
administration, are not provided retroactively; therefore, planning for  
accommodations as early as possible is necessary. For further information, see the  
ODS website, Office of Disability Services http://disabilityservices.syr.edu/

Academic Integrity: The Syracuse University Academic Integrity Policy holds  
students accountable for the integrity of the work they submit. Students should be
familiar with the Policy and know that it is their responsibility to learn about
instructor and general academic expectations with regard to proper citation of
sources in written work. The policy also governs the integrity of work submitted in
exams and assignments as well as the veracity of signatures on attendance sheets
and other verifications of participation in class activities. Serious sanctions can
result from academic dishonesty of any sort. For more information and the
complete policy, see http://academicintegrity.syr.edu