COURSE SYLLABUS

MATH 4265/6265

Partial Differential Equations
Fall 2016

Days & Time: TR 2:30 pm - 3:45 pm
Room: Classroom South # 328
CRN: 82331
Instructor: Dr. Igor Belykh
Office: College of Education Building, # 784
Office Hours: TR 1:30-2:30 pm, other times by appointment
Office phone: 404 413 6411
Departmental phone: (404) 651-2245
E-mail: ibelykh@gsu.edu
Web: http://www2.gsu.edu/~matixb


Description: Series solutions of differential equations, special functions, classification of linear second-order partial differential equations, separation of variables, Fourier series, integrals and transforms, one-dimensional and two-dimensional wave equation, heat equation, Laplace’s equation.

Prerequisites: Grade of C or higher in Math 3260.

Tentative Course Outline:

- Chapter 5: Series Solutions of ODEs. Special Functions
- Chapter 11: Fourier Series, Integrals, and Transforms
- Chapter 12: Partial Differential Equations

Note: During the first two weeks of the semester the Department of Mathematics and Statistics checks the computer records to determine whether or not each student has met the prerequisites for this course. If you do not have the prerequisites, please inform me and change to another course right away. If our computer search finds that you do not have the prerequisite, you must drop this course or you will be dropped automatically.

If you do not attend class during the first two weeks you will be administratively dropped.

Withdrawal Policy: If you withdraw from this class on or before W-Day (October 11th) you will receive a W regardless of your performance. If you hardship withdraw after this date (a regular withdrawal at this point gives you an automatic WF) you will receive a W ONLY if you are passing (70 average or better); otherwise you will receive a WF (which averages into your GPA just like an F).

Procedures: Class meets twice a week. Taking good notes during the class is of significant importance. Homework will be assigned in each class. After the class, read the book, read your notes and do as many of the homework problems as you can prior to the next class. Try to get the remaining problems explained in the next class. You are responsible for all material covered in class, whether or not you attended this class.
Examinations: There will be 3 midterm exams and the final exam. All midterm exams will be taken during the regular class time and in the regular classroom. There will be no make-up exams except in an extreme verifiable emergency. Absence from the final exam will result in a grade of F for the course unless arrangements are made prior to its administration.

Final Examination: Classroom South # 328 (regular room), Thursday, December 8th, 1:30-4:00 p.m.

Grading: There will be a total of 590+30 points possible for this course. The points are distributed as follows

Three graded HW assignments: $90 = 30 \times 3$
Three exams: $300 = 100 \times 3$
Final exam: 200
Extra Credit: 30

Your total accumulated points will determine your grade

97%-100% of 590 points = A+
93%-96% = A
90%-92% = A-
87%-89% = B+
83%-86% = B
80%-82% = B-
77%-79% = C+
73%-76% = C
70%-72% = C-
60%-69% = D
0%-59% = F

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on the exam. Repeated cheating will result in a grade F for the course.

This course syllabus provides a general plan for the course; deviations may be necessary.