Math 435 - Course Information

Spring 2009

Course: Math 435: Partial Differential Equations (3 credit hours).
Time: MWF: 9:10-10:05 am in TCCW 369.
Instructor: Lan Nguyen, Ph.D.
E-mail: Lan.Nguyen@wku.edu
Office hours: MWF: 8:10-9:10 am and 10:10-11:30 am; TR: 8:30-9:30 am, and by appointment. I encourage you to see me if any difficulties encountered in this course.

- Prerequisite: Math307, Math327 and Math331 with a grade of C or better.
- Course Description: Introduction of PDEs in engineering and physical sciences. Under study are heat equations, wave equations and Sturm-Liouville eigenvalue problems, solved by using separation of variables, Fourier series and Sturm-Liouville theory.
- Syllabus: Selected sections of Chapter 1-5.
- Attendance: Regular, punctual attendance is very important for the success of the course. Your attendance, punctuality and class participation are expected each day. It is the responsibility of students to find out what work and announcements were missed during an absence.
- Homework: Homework is assigned regularly. Students are encouraged to ask questions about the last homework during the first fifteen minutes of each class period.
- Quizzes: 4 take-home quizzes will be given.
- Hour tests: Three hour-tests on the following days (subject to change):
  - Hour test 1: Wednesday 2/18;
  - Hour test 2: Wednesday 3/25;
  - Hour test 3: Wednesday 4/22;
Make-up tests will be arranged only under the most extenuating circumstances provided the instructor is informed in advance.
• **Final Exam**: A comprehensive final exam will be given on **Thursday May 14**, from 8:00 am to 10:00 pm.

• **Grading**:
  
<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>4 quizzes x 40 pts = 160 pts</td>
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<tr>
<td>Hour tests</td>
<td>3 tests x 50 pts = 150 pts</td>
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<tr>
<td>Final exam</td>
<td>1 x 100 pts = 100 pts</td>
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**Total:** = 410 pts

Your total number of points will determine your grade as follows:
A: 90% or above; B: 80 – 89%; C: 70 – 79%; D: 60 – 69%; F: < 60%.

Borderline cases will be given special consideration and factors such as attendance, class participation, improvement, and final mastery of course content (as reflected by the Final Exam) will be taken into account.

• **Some important dates**: February 2: Last day to drop without a grade. March 20: Last day to drop with a grade of “W”; March 9-13: Spring break; May 14th: Final exam.

• **Academic misconduct**: Don't do it. Cheating or using unauthorized sources on an exam or quiz will result in an "F", as well as the strong possibility of further disciplinary action.

• **Disability**: “Students with disabilities who requires accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services (OFSDS), located in DUC, Room A201 (Student Success Center). The OFSDS telephone number is (270) 745-5004 v/tty.
Per university policy, please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.”