MATH 421/421G  PROBLEM SOLVING FOR SECONDARY TEACHERS

Course: Math 421/421G  Problem Solving for Secondary Teachers
Section: 500
Instructor: Dr. Wanda Weidemann  Office: TCCW 314
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Prerequisites: Math 307 and 310; Math 329 and Math 323, or permission of instructor

Description: Utilizes various techniques and technology to solve mathematical problems. Integrates concepts from algebra, geometry, trigonometry, probability, statistics, number theory, discrete mathematics, linear algebra, and calculus.

Text: None; the instructor will provide materials

Other materials: Graph paper, an IBM disk, and a graphing calculator are required for this course. You must bring the calculator you plan to use for the PRAXIS exam. Calculators with QWERTY keyboards are not allowed. I will use a TI-83 calculator for demonstration purposes, but other calculators are allowed.

Homework: You are expected to do all homework assignments whether they are collected or not. On most homework sets, you are allowed to work together; however, if an assignment is designated as an “individual assignment,” you may not get help from any living source other than the professor.

Attendance: You are expected to attend every class. If you must miss class, it is your responsibility to contact the professor before the next class period concerning assignments you have missed.

Tests: There will be two major exams and a final exam. The final examination is scheduled for Tuesday, December 10, from 6:00-8:00 p.m.

PRAXIS exam: Students who have not passed the PRAXIS exam are strongly encouraged to register for one of the examination offered this winter.

Grades: Grades will come from a variety of sources. All exams including the final will count 100 points. Certain homework assignments (both group and individual) will be collected for grading. In addition, students will be required to present solutions to certain problems for grading purposes. Grades will be available through CourseInfo (http://atech.wku.edu:8080/). To determine a grade, the student should take the total accumulated points and divide by the number of possible points. Grades will be assigned according to the following scale:

90-100% A; 80-89% B; 70-79% C; 65-69% D; Below 65% F
**Graduate Credit:** Students taking the course for graduate credit will be required to complete two additional classroom presentation or projects during the semester. These will not be used to compute the grade in the course, but they must be satisfactorily completed before a grade is issued.

**Office hours:**
- Monday: 11:30 a.m.-1:00 p.m.
- Tuesday: 2:00 p.m.-3:30 p.m.
- Wednesday: 11:30 a.m.-1:00 p.m.
- Thursday: 1:00-3:30 p.m.

**Additional Information:**
The last day to drop a full-semester course with a “W” is October 14. Please do not ask to drop the course after that date except in instances of extreme emergency.

Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services, Room 445, Potter Hall. The OFSDS telephone number is (270)745-5004 V/TDD.

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.