

Introduction to Advanced Mathematics (Math 321) Spring 2008

INSTRUCTOR: Professor Karl Heinz Dovermann

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TEXT: *Chapter Zero, Fundamental Notions of Abstract Mathematics* by Carol Schumacher, 2nd Ed., Addison Wesley.

OFFICE HOURS: Monday, Wednesday, Friday 9:30–10:20 Tuesday and Thursday 9:00–10:00. Other hours are available by appointment.

Topics: We will cover much of the book, but the depth of understanding will be more important than the amount of material covered.

EXAMS: I am planning one midterm. The date will be announced in class. The final will be during the officially assigned time during exams week.

HOMEWORK: I plan to assign and collect homework every lecture. Homework is due the lecture after having been assigned.

Math 321 students must learn to present mathematics in writing. Clear, concise writing that captures the essence of an idea characterizes good mathematical writing. Towards that end, the student learns to read and understand mathematical definitions, and to read, understand, and write mathematical proofs. Assignments must be written legibly and neatly, using proper grammatical English, with an effort toward clarity and conciseness.

GRADING: Homework will be worth 60, the midterm 40, and the final 60 points, approximately. Your final grade will depend on the total number of points that you earn throughout the semester.

ABSENCES: It is expected that you attend every lecture. If you are absent, then you are responsible for the material covered. Arrange to copy another student's notes and be informed of any announcements.

ACADEMIC HONESTY: No student shall claim or submit the work of another as one's own. No dishonesty will be tolerated.

IMPORANT DATES: It is your responsibility to know about the important dates, such as deadlines to drop or withdraw from a course, holidays, final exam, etc.

UNIVERSITY POLICY: *'Students must adequately complete all writing assignments to pass the course with a grade D or better. Students who do not complete all writing assignments will fail the course.'*