MATH 601–602 Spring 2008 First Day Handout

Instructor: Guido Kanschat, 505C Blocker Bldg., email: `kanschat@tamu.edu`

Class hours: Mondays, Wednesdays, Fridays, 11:30am-12:20pm, CE 223

Office Hours: Wednesdays, 10am-11am, 2pm-3pm, and on request

Textbook: Math 311, Linear Algebra and Vector Calculus at Texas A&M University

Syllabus: This is a one semester course designed to cover the material in the text listed above. We will follow the text, though we may do some sections out of order. The first part of the course will cover linear algebra, including matrices, determinants, vector spaces, linear maps, orthogonality, and eigenvalues. The second part of the course will cover vector calculus, including vector operations, vector functions, multiple integration, line integrals, and surface integrals.

Exams: two midterms during class hours and one final

- First midterm exam, February 22nd (subject to change)
- Second midterm exam, April 4th (subject to change)
- Comprehensive final exam, May 7th, 10:30am – 12:30pm (see Math Teaching Operations for changes)

Homework: There will be weekly homework assignments. The purpose of these homework assignments is that you obtain practice in the techniques discussed in class. Solving the problems diligently is therefore a vital component of your learning experience and will also prepare you for the exams.

You will be asked to form study groups of three to four people to prepare your homework. You will list the other members of your group on your homework, but each member hands in her or his own written homework. These groups should remain fixed for the whole semester, unless there is a compelling reason for change.

Grades: Your grade will be at least A, B, C or D for point averages over 90%, 75%, 60% or 45%, respectively. The point averages will be computed from homework (1/3), midterms (1/6 each) and the comprehensive final exam (1/3).

If all your grades before the final (each midterm and homework average) are A, I will waive the final exam for you and assign an A grade for the class.

Make-ups : Excused absences from exams according to Rule seven (see Student Rules) will be dealt with on an individual basis, but require a written excuse. Please let your instructor know about this as soon as possible, and preferably in advance.

Academic integrity: The Aggie Honor Code "An Aggie does not lie, cheat or steal, or tolerate those who do" applies, see also `http://www.tamu.edu/aggiehonor.html` for the Honor Council Rules and Procedures. Students are strongly encouraged to work together and discuss homework problems with each other. However, copying or stealing work done by others is an act of academic dishonesty and will be persecuted according to the University policy.

Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities.

Please contact Services for Students with Disabilities, Koldus 126, 845-1637 as early as possible, if you believe you have a disability requiring an accommodation. They will help me to find the best solution for you.

Important web pages: listed as text without hyperlink

`http://www.math.tamu.edu/~kanschat/teaching/2008A-601/` Course homepage

`http://www.math.tamu.edu/teaching/operationspg.html` Dept. of Mathematics, teaching operations

`http://www.math.tamu.edu` Department of Mathematics

`http://disability.tamu.edu/` Disability Services

`http://student-rules.tamu.edu/` Student Rules

`http://www.tamu.edu/aggiehonor.html` Aggie Honor Code

Email policy: I will answer all emails within a week. While I will not guarantee this, I will attempt to answer all emails asking for appointments within 24 hours and all others within 48 hours. Please refer to the class number in the subject and try to give a concise description of your problem.

Copyright: All materials disseminated in class or on the web are protected by Copyright laws. Copies (or download from the web) are allowed for personal use only. Distribution of any of these materials in any form is strictly prohibited.

Disclaimer: While this handout was prepared carefully and according to information available at the beginning of the semester, changes may be necessary in the interest of good teaching. Changes to any of the information above will be announced in class and posted on the class web site.