Course Information
Math 4350–201
Summer II, 2013

July 9, 2013

Instructor: Prof. Lance D. Drager. Office: Math 236. Office Phone: 742–2580, Ext. 242. If you let the office phone ring long enough, you’ll get me or a voice mail system you can leave a message on. My e-mail address is lance.drager@ttu.edu. I’m on twitter at @mathonaut.

Course materials will sometimes be posted on my web page, which is http://www.math.ttu.edu/~drager.

Office Hours: M–F 2:00–4:00. You can come by outside of formal office hours; I’ll usually have time to talk to you. Please feel free to come by if you need help.

Other Sources of Help: The Mathematics Department Office has a list of people who offer tutoring for pay. Forming informal study groups with other students can be very helpful.

Text: The text is Bartle and Sherbert, Introduction to Real Analysis, 4th Edition, published by Wilery. The 3rd edition will be okay, but check to be sure that any problems assigned from the book are the same as in the 4th edition. We will cover chapters 1–5, and sections 6.1 and 6.2.

Student Learning Outcomes: Students learn how to think and reason abstractly in the context of analysis of the real line, and learn how to write correct and clear mathematical arguments in this context. There will be a heavy emphasis on proofs, especially epsilon-delta proofs. Concepts and skills to be mastered by the students include but are not limited to: suprema, infima, limits of sequences, limits of functions, continuous functions, derivatives of functions on the line. This is a writing intensive course.

Assessment of Learning Outcomes: The assessment of student’s mastery of the skills and concepts as specified in the expected learning outcomes will occur, with appropriate course grades assigned, as follows:

1. 2 in-class exams.
2. The final exam.
4. Homework.

The in-class exams and the final will be equally weighted. The exams
together will count for 35% of the grade. The exam corrections will count for 15%
of the grade.

Students will have a chance to receive feedback on the homework before
rewriting it for a final grade. The homework will count for 50% of the final
grade.

The final letter grade will be assigned by applying a curve to the numerical
score. A numerical grade of 90% will be sufficient for an A, but the cutoff may
go lower; similarly for the other letter grades. The letter grade is based on
performance relative to the other students, not strict cutoffs.

**Final Exam:** The final exam is on Thursday, August 8, from 11:30 a.m. to
1:30 p.m. It will be given in our usual classroom.

**Makeups:** If you are absent from an exam and convince me that your reason
was legitimate, I will give a makeup exam. Late homework will only be accepted
with a serious, legitimate excuse.

**Class Schedule:** The tentative schedule for the class is as follows:

**July 9–July 12** Chapter 1, Preliminaries

**July 12–July 16** Chapter 2, The Real Numbers

**July 16–July 24** Chapter 3, Sequences and Series

**July 22** Exam 1

**July 24–July 26** Chapter 4, Limits

**July 26–August 1** Chapter 5, Continuous Functions

**August 2** Exam 2

**August 1–August 7** Chapter 6, Differentiation. (6.1–6.2).

**August 8** Final exam, 11:00am–1:30pm.

If these dates are changed, the changes will be discussed in class and will appear
on the calendar on my website. However, **this document will not be changed.**

**Class Attendance:** To begin with, I will not count attendance towards the
grade, although I may pass out a sign up sheet to check the class roll. Many
studies show that class attendance is important in getting a good grade. I will
institute an attendance system if it seems necessary!

Remember, you are responsible for all material covered in class and all an-
nouncements made in class. If you have to miss a class, you should check with
me or a classmate to see what happened.
**Formative Assessment:** Continuous formative assessment of the progress of the course will occur via ongoing communication between the instructor and the students. To this end, all students are encouraged to ask questions during class and to seek the instructor’s help out of class when needed. Other activities in support of student-instructor communication will include: practice exams and quizzes, review of homework, and personal interviews with students doing poorly on work assigned at the beginning of the course.

**Identification:** You should be prepared to show your Texas Tech picture ID at any quiz or exam.

**Accommodations for Disabilities:** Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact the instructor as soon as possible to make necessary accommodations. Students should present appropriate verification from Disabled Student Services, Dean of Students Office (AccessTECH). No requirement exists that accommodations be made prior to completion of this approved University process.

**Religious Holy Days:** A student may be absent from class for a religious holy day, as legally defined, and will be allowed to make up any missed examination or assignment within a reasonable time after the absence. See [http://www.depts.ttu.edu/officialpublications/catalog/_AcademicsRegulations.php](http://www.depts.ttu.edu/officialpublications/catalog/_AcademicsRegulations.php)

**Academic Misconduct:** It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and a high standard of integrity. The attempt of students to present as their own work any work that they have not honestly performed is regarded by the faculty and administration as a serious offense and renders the offenders liable to serious consequences, possibly suspension.

For more information, and a description of what is considered to be misconduct, see [http://www.depts.ttu.edu/officialpublications/catalog/_AcademicsRegulations.php](http://www.depts.ttu.edu/officialpublications/catalog/_AcademicsRegulations.php)

**Civility in the Classroom:** Students are expected to assist in maintaining a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from time spent in class, unless otherwise approved by the instructor, students are prohibited from engaging in any other form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.

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