

Course Information

Math 3350–05

Fall 2004

TTh 9:30–10:50, Room Math 108

Instructor: Prof. Lance Drager

January 21, 2004

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: drager@math.ttu.edu. From time to time I will post class materials on my website, which is <http://www.math.ttu.edu/~drager>.

Office Hours: Office Hours: MWF 2:30–3:30, TTh 3:30–4:30. I am often in my office at other times. 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.

Text: Erwin Kreyszig, **Advanced Engineering Mathematics, 8th Edition**, John Wiley and Sons, NY, 1999, ISBN 0-471-15496-2. We will cover approximately the following sections from the book: 1.1–1.6, 2.1–2.3, 2.6, 2.8–2.10, 2.13–2.15, 5.1–5.6, 5.8–5.9, 10.1–10.4, 10.8–10.10.

Calculator: The use of calculator *with symbolic computation*, such as the TI-89 or TI-92, will be assumed on all homework, quizzes and exams.

	Raw (x)	Rescaled (y)	
A	95	96	$y = \frac{100 - 90}{100 - 86}(x - 86) + 90$
	92	94	
	86	90	
B	83	86	$y = \frac{90 - 80}{86 - 78}(x - 78) + 80$
	82	85	
	78	80	
C	75	76	$y = \frac{80 - 70}{78 - 70}(x - 70) + 70$
	73	74	
	72	73	
(cut off at 70)			
D	66	67	$y = \frac{70 - 60}{70 - 55}(x - 55) + 60$
	64	66	
	61	64	
	58	62	
F	55	60	$y = \frac{60}{55}x$
	50	48	
	48	52	
	47	45	
	40	44	

Table 1: Grade rescaling

Grading: The grading will be based on the following.

1. Written Homework Assignments.
2. Exam Corrections.
3. 3 in-class (full period) exams.
4. The Final Exam (NOT Departmental).

Exams will be announced well in advance. The in-class exams and the final exam will all be equally weighted. I will drop the lowest of the four exams (hence, the grade on the final could be drooped).

The Homework assignments will count for 20% of the final grade, exam corrections for 10% and the exams will count for 70%. (These numbers may change somewhat if circumstances change.)

For each exam or assignment, I (or the TA) will determine a grade range for the A's, B's, C's, D's and F's. I will then linearly resale the grades in the A range to the interval [90, 100], the grades in the B range will be rescaled to the interval [80, 89], and so forth.

At the end of the course, I will simply average the grades and assign letter grades with cutoffs 90% for A, 80% for B, 70% for C and 60% for D; I might lower these a little, but not much. Thus, with this system, you can determine your standing at any time.

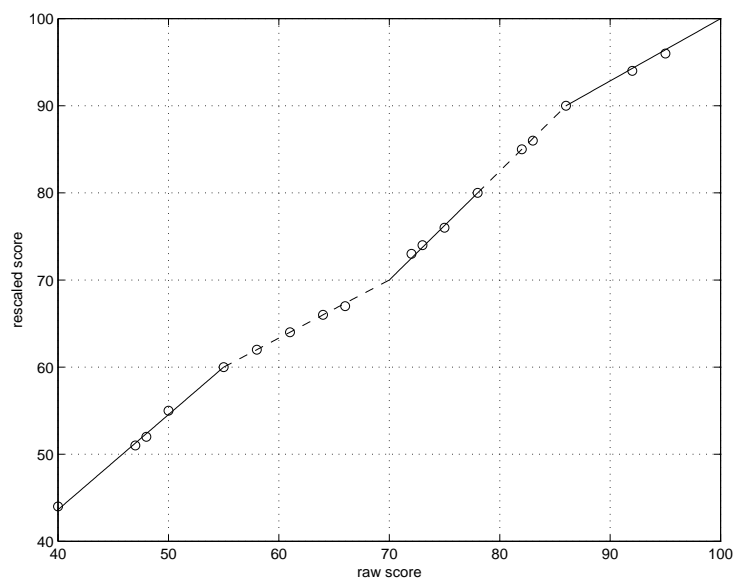


Figure 1: Graph of the grade rescaling function

For example, consider a hypothetical exam with the raw scores as in Table 1. The grade ranges might hypothetically be chosen as indicated. The numerical scores would then be rescaled as indicated in the table, using the formulas on the right and then rounding to the nearest point. The grade rescaling function would be as graphed in Figure 1. (The idea is that a score that was, say, halfway between the B and C cutoffs should wind up halfway between 70 and 80. If you have any questions ask me. I'm just getting the details on record here.)

Final Exam: The final is Friday, May 7, from 7:30 a.m. to 10:00 a.m., in our regular classroom.

Class Attendance: I will not count attendance toward the grade. Remember that many studies show that skipping class leads to lower grades.

Remember, you are responsible for all material covered in class and all announcements made in class. If you have to miss a class, you should check with me or a classmate to see what happened.

Makeups: If you miss an exam you can, at your option, take that as the exam score to be dropped. If you are absent from an exam and have a legitimate excuse, I will give a makeup exam. If you have a legitimate reason why homework can not be turned in on time, talk with me about it. I will accept homework up to 7 days late with a 10% grade penalty.

Identification: You should be prepared to show your Texas Tech picture ID at any 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. No requirement exists that accommodations be made prior to completion of this approved University process.

Religious Holy Days: Texas House Bill 256 requires institutions of higher education to excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day. The student shall also be excused for time needed to travel. The institution may not penalize the student for the absence and allows the student to take an exam or complete an assignment from which the student is excused. No prior notification of the instructor is required.