

Course Information

Math 3351–01

Spring 2003

Instructor: Prof. Lance Drager

January 21, 2003

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 11:00–Noon. 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: The textbook is: Erwin Kreysig, **Advanced Engineering Mathematics, Eighth Edition**, John Wiley & Sons, NY, 1999, ISBN 0-471-15496-2. We will cover material from chapters 6, 7, 3, 4 and 11 (in that order).

Calculator: You will need a calculator that can perform matrix algebra and matrix row operations. Graphing capabilities are also useful. I will discuss the TI 86 in class. You can use a different model, but you'll have to figure out how to use it from the manual (I can help).

	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 and short quizzes.
2. 3 in-class (full period) exams.
3. The Final Exam (Departmental).

Exams will be announced well in advance. Quizzes will be announced at least one class 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 15% of the final grade, and the exams will count for 85%.

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.

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

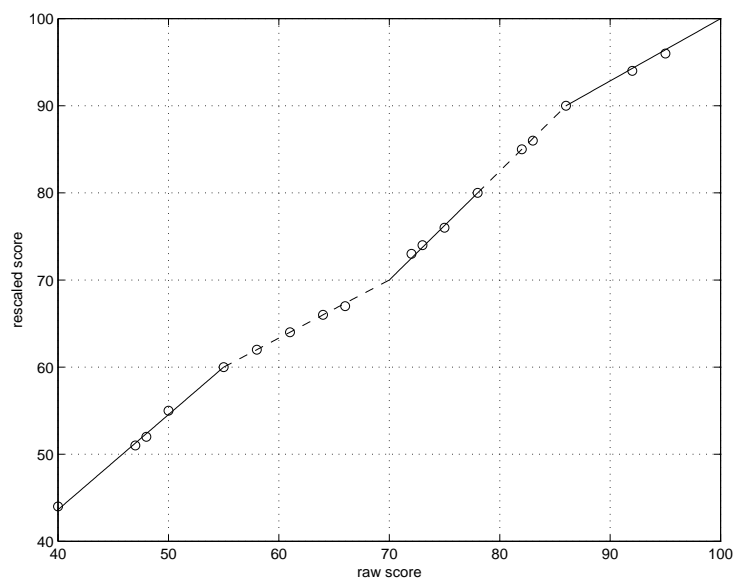


Figure 1: Graph of the grade rescaling function

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 exam is on Tuesday, May 13, 7:30 a.m. to 10:00 a.m., in our usual 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.

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: A student who is absent from classes for the observance of a religious holy day shall be allowed to take and examination of complete an assignment scheduled for that day within a reasonable time after the absence if, not later than the fifteenth day after the first day of the semester, the student had notified the instructor of each scheduled class that the student would be absent for a religious holy day.