

Course Information

Math 1300-03

Second Summer 2005

M-F 12:00–1:50, Room Math 111

Instructor: Prof. Lance Drager

July 13, 2005

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: M-F 11:00–12:00 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: J. Bennett and W. Briggs, **Using and Understand Mathematics: A Quantitative Reasoning Approach, Third Edition**, Pearson, 2005, ISBN 0-321-22773-5. We'll cover chapters 1–2, 3–4, 8–9, 12–13.

Calculator: You need a “scientific” calculator which has logarithms and exponentials.

Grading: The grading will be based on the following.

1. Short quizzes
2. 4 in-class exams and the final exam.

The in-class exams and the final exam will all be equally weighted. I will drop the lowest of the five exams (hence, the grade on the final could be dropped). The short quizzes will count for 15% of the grade, and the exams for 85%.

For each exam or quiz, I will determine a grade range for the A's, B's, C's, D's and F's. I will then linearly rescale 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.

	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

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.)

Exam Schedule: The first exam will be on the first Tuesday of class, and the remaining exams will be on the Mondays. Short quizzes will be announced at least one day in advance.

Final Exam: The final is Thursday, August 4, 8:00 am –10:30 pm., in the same 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 miss a quiz for a legitimate reason, I will give a makeup quiz.

Identification: You should be prepared to show your Texas Tech picture

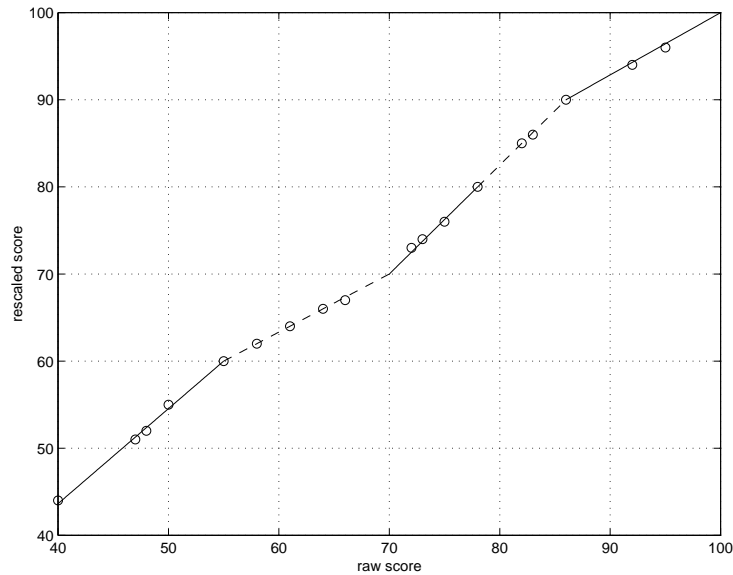


Figure 1: Graph of the grade rescaling function

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.

Dropping the Course: If you decide to drop the course, you have to go to the registrar's office and tell them you are dropping. You don't need any paperwork from me. The last day to drop the course and receive an automatic W is Thursday, July 21. The last day to drop the course and receive a W or WF is Monday, August 1.