Math 132
Winter 2017

UPDATED GENERAL INFORMATION — FEBRUARY 13, 2017

The second quiz

The second quiz will take place on Thursday, February 16, and it will involve the properties of adjoint transformations as in Section 7A of the text. The problems will be derivations of relationships. Here are two examples:

1. Let V be a finite dimensional inner product space over the complex numbers, and let $T : V \to V$ be a linear transformation such that $T^* = -T$. Prove that $i\,T$ is Hermitian (= self adjoint).

2. Let V be as above, and let $T : V \to V$ and $S : V \to V$ be normal linear transformations such that $TS = ST$. Prove that ST is normal.

Grades for the first examination

The cutoff scores are as follows:

A — 75
B — 50
C — 35
D — 20

The median score was $71\frac{1}{2}$.

Appeals regarding the grading of this examination must be submitted by the end of class on **Wednesday, February 22**. Written comments should be placed on the examination indicating the problems or issues to be reconsidered. BRIEF and OBJECTIVE statements about specific issues may be included.

Statement on final grade determination:

As noted previously, the course grade will be determined by a weighted average of the grades on the examinations, the quizzes and the homework. The cutoff points for A, B, C, D, F will be determined individually for each each of these constituents, and for grading purposes the raw numerical scores will be normalized as follows:

4.0 = perfect score, 3.0 = lowest A, 2.0 = lowest B, 1.0 = lowest C, 0.0 = lowest D, −1.0 = zero score. If the raw numerical score lies between two of these values, the normalized score will be determined by linear interpolation.

EXAMPLE. If the lowest A is 88, the lowest B is 72, and a student's raw numerical score is 76, then the raw score is 4 points above the lowest B, the difference between the lowest A and the lowest is 16, and therefore the grade is $\frac{4}{16} = \frac{1}{4}$ of the way from the lowest B to the lowest A; linear interpolation means that the normalized score on the examination is **2.25**.

The second examination

As previously announced, this is scheduled for Wednesday, February 22. Further information will be forthcoming later this week.