INFORMATION ABOUT THE MATH 260 FINAL EXAM

Term 082.

PROCEDURES

• The final exam is on Saturday, June 27 from 7:30 – 10:30 am. Do not be late. You will not be given additional time if you arrive after 7:30 pm. We recommend arriving 15 minutes early
• Bring a picture ID.
• The final exam is not in our usual classroom. It will be held in building 10
• Because several sections will be in the same room, students in each section will need to sit together. Additional directions will be given at the test site.

ABOUT THE EXAM

There are 7 questions on the final exam. Two of them are collections of short answers that will be graded without partial credit. The remaining 5 questions will be longer.

The exam includes:

• Solving differential equations of first orders (Separable, linear, Bernoulli, homogeneous, exact), initial value problems.

• Solving higher differential equations: homogeneous and non-homogeneous (method of undetermined coefficients, method of variation of parameters, matrix methods, conversion into first order systems, …)

• Matrices: Determinant, inverse, Gaussian elimination and Gauss-Jordan methods

• Diagonalization, eigenvalues, eigenvectors, power of matrices, Cayley-Hamilton.

• System of linear equations, and system of linear differential equations.

• Vector spaces, subspaces, solution spaces, bases, and dimensions