

Comprehensive Examination Procedures  
for Fulfillment of Requirements for  
the Master of Science Degree in Applied Mathematics

1. The comprehensive examination procedure involves two separate examinations. These will be written examinations. Each will be three hours in duration.

2. One examination will cover material in Linear Algebra. The covered material is described in a syllabus for the comprehensive examination in Linear Algebra. The material roughly corresponds to the content of Math 513 (Linear Algebra).

3. The second examination will cover material in Real Analysis. The covered material is described in a syllabus for the comprehensive examination in Real Analysis. The material roughly corresponds to the content of Math 431 (Modern Analysis I) and Math 532 (Modern Analysis II).

4. Comprehensive examinations will be administered twice a year, near the beginning of the Fall and Spring semesters. Students are required to notify the Chairman of the Graduate Committee of their intention to take one or both of the examinations at least one month prior to the exam.

5. Students may take one or both of the examinations during a single administration. The examinations are scored independently, so that a student may pass zero, one, or both examinations during a single administration.

7. The mathematics department graduate committee or its delegates have responsibility for authoring, approving, administering and grading the comprehensive examinations.

8. Syllabi for the comprehensive examinations, as well as copies of past examinations, will be kept on file in the mathematics office, and will be available for students to use as study guides.