

## Department of Mathematics and Statistics Master's Comprehensive Exam Intention Form

These exams consist of three 1.5 hour written exams to be completed within one week. Dates and times will be determined in consultation with students, based on response to this form. MS students in mathematics are required to take these exams as comprehensive exams.

The subjects covered must include at least two of the four core courses (i.e. at least two of: Math 631 Algebra I, Math 641 Analysis I, Math 645 Complex Analysis, Math 651 Topology). The third subject may be chosen from some other 600-level lecture or independent-study course in mathematics. The choice of exam subjects requires the approval of the student's committee. It is preferred that none of the exams cover courses in which the student is currently enrolled, but the committee has discretion on this. For each core subject, two faculty members will jointly prepare and grade each exam. For non-core subjects, the student's committee must arrange the preparation and grading of the exam.

The exams will be at most as hard as the written final for the corresponding courses. Students will be given some choice of problems. Certain problems at a prerequisite level to the graduate course in question should be expected.

If the student does not pass two or three of the exams then he or she must wait at least one semester and then retake the entire comprehensive examination (i.e. three exams) again. If a student passes exactly two of the three parts, then the student has one try to retake the remaining part, preferably before the start of the following semester. If the student fails the remaining part then the entire examination must be retaken.

Only one retake of the entire examination is allowed.

Student name \_\_\_\_\_ Date \_\_\_\_\_

First semester of enrollment in the MS/PhD Math Program \_\_\_\_\_

Do you plan to take the comprehensive exams in Spring/Summer \_\_\_\_\_? Yes  No

Signature of your Committee Chair (your advisor; signature required whether "Yes" or "No" above):

\_\_\_\_\_

If "Yes" above, complete the following:

Core Subject 1: \_\_\_\_\_

Core Subject 2: \_\_\_\_\_

Other Subject: \_\_\_\_\_

Description of third exam if not core: \_\_\_\_\_

Signatures of two faculty members who are willing to prepare and grade the third exam (if not core):

\_\_\_\_\_

\_\_\_\_\_