

Basic Skills Exam - MA 1022 A '03

As a requirement to obtain credit in MA 1022 in term A '03, a student must demonstrate an acceptable level of competence in the basic manipulative/computational skills of one-variable integral calculus. This requirement will be satisfied by achieving a passing grade on a Basic Skills exam in Integral Calculus. The minimum score required on the Basic Skills exam to pass and satisfy the requirement will be about 70%.

The Basic Skills exam will initially be administered to all the MA 1022 students on Wednesday, October 15, 2003 along with the common final for MA 1022 in A term. For students who do not achieve a passing grade on the Basic Skills exam, re-takes of the exam will be given early in B term on dates to be announced.

The Basic Skills exam will be part of the two hour final exam and will consist of about 7- 10 questions. A Sample Final Exam, which includes sample questions for both parts of the exam, is attached. Note that for the Basic Skills part of the exam, there is no partial credit. Answers are either correct and receive full credit or incorrect and receive no credit. Note also that the use of calculators and notes is not allowed on either part of the final exam.

Numerical scores on the Basic Skills part of the final exam will not be used in determining your course grade, except as described in the next paragraph. A student who achieves a passing grade on the initial Basic Skills exam will have their course grade assigned by their instructor, based on their other work in the course.

Students who do not pass the initial Basic Skills exam in A '03 will receive a grade of I (incomplete) for MA 1022 if their grade based on other work in the course is passing. Students in this situation will have two more chances to pass the Basic Skills exam. If they pass the Basic Skills exam, their grade will be changed from I to the grade corresponding to their other work in the course. Students who do not pass either of the scheduled re-takes of the Basic Skills exam will have their grades of I changed to NR and will have to repeat MA 1022.

Students whose other work in MA 1022 in A term '03 is not up to a passing grade will receive a grade of NR in MA 1022 in A term '03, regardless of their score on the Basic Skills exam.

Topics to be covered on the Basic Skills exam

- Properties of the integral
- Fundamental Theorem of Calculus
- Integrals of polynomials, exponentials, and trig functions
- Integration by substitution
- Areas of plane regions
- Volumes of solids of revolution
- Integration by parts