Calculus Sequence FAQ’s

What is Math 1310?
This course is a course for those students who have had some calculus in high school but have not passed out of Math 1210 and Math 1220. The course begins with a 3-4 week review of Math 1210 and then covers Math 1220.

How many credits does a student earn for Math 1310?
A student, who does not already have credit for Math 1210 earns 4 credits for math 1310. If such a student gets a B- or better in Math 1310, she/he gets 4 credits for math 1210. If such a student gets a grade between a C+ and a D-, she/he gets 4 credits for math 1310.

Why should an incoming student who already has credit for math 1210 via the AP exam take math 1310?
It is our experience that students forget lots in the summer between graduating high school and entering college. A short refresher in calculus 1 is helpful.

Who should take Math 1310?
The catalogue says that the prerequisite is a grade of 3 on the AP exam (either one of the calculus AP exams). I regard this as more of a guideline than as a strict prerequisite. The catalogue says that a student can enter the course with permission of the instructor. In practice we think that any student who has had calculus in high school and is motivated to work hard in their first year math course is a good candidate to take the course. In particular, the registrar does not enforce the AP exam prerequisite. An additional benefit is that a student who is having difficulty with MATH 1310 may revert back to MATH 1210 without it appearing on their record. The same is not true for students who have difficulty in MATH 1220.

What should a student take after Math 1310?
A chemical engineering student who takes Math 1310 and only wants to take two additional math courses has the option of taking the following sequence in her/his first two years: Math 1310, Math 2210 (Calculus 3), MATH 2240 (Applied Math). Those students wishing to obtain a mathematics minor could take three additional math courses after 1310: MATH 2210 (Calculus III), Math 3090 (Linear Algebra), and Math 4240 (Differential Equations). Math 4240 is an introductory differential equations course which assumes the students have taken linear algebra, thus allowing the course to cover systems of differential equations in greater depth.