

## Calculus at Holy Cross Fall 2016

### Textbook and Online Homework Information

- All sections of MATH 133, MATH 134, MATH 135 and MATH 136 will be using *Calculus: Early Transcendentals*, Third Edition, by Jon Rogawski and Colin Adams.
- We will be using the WebAssign online homework system.
- The Holy Cross bookstore will sell the textbook bundled with a WebAssign code for \$145. Three-ring binders for the textbook are also available at the bookstore for \$5.99.

### Advisory Information

#### *Do you need calculus?*

We recommend calculus at Holy Cross if you need it in support of your aspirations in the following fields: pre-health, chemistry, biology, physics, mathematics, computer science, economics, accounting. If you are not interested in pursuing these fields, we have several introductory topics courses in math and computer science that you can take to satisfy your common area requirement (or you can take two science courses and skip math altogether).

- Mathematics, economics, physics, and chemistry majors must complete both Calculus 1 and Calculus 2.
- Accounting, biology, and computer science majors must complete Calculus 1.
- Pre-health students must complete Calculus 1 and a course in statistics. Math 220 is the appropriate statistics course in the Mathematics and Computer Science Department for pre-health students. Other departments, such as Biology, Economics and Accounting, Psychology, and Sociology and Anthropology, also offer statistics courses that are appropriate for pre-health students. Students in these majors should take the statistics course in their department rather than Math 220. Therefore we recommend waiting until you have decided on a major to take statistics.

#### *Advanced Placement*

- If you earned a score of 4 or 5 on the AP Calculus AB exam, you have earned credit for Calculus 1 and you can start in Calculus 2 if you need both courses. We strongly recommend starting in Calculus 2 if you have AP credit to do so. You can switch later if it turns out to be too advanced for you.
- If you earned a score of 4 or 5 on the AP Calculus BC exam, you have earned credit for both Calculus 1 and Calculus 2. If you are interested in continuing in mathematics, we recommend taking either Multivariable Calculus (MATH 241) or Algebraic Structures (MATH 243).

## *Calculus with Fundamentals*

Calculus with Fundamentals (MATH 133/134) is designed for students who need more support as they transition to college-level mathematics. It covers the same material as MATH 135/136, but meets 5 hours per week instead of 3 hours per week. Most students, even those who have not had calculus before, should take MATH 135/136.

### **Enrollment**

- During enrollment period you will be able to switch calculus sections on STAR. We will be adding seats to some sections during the enrollment period, so if you are not able to get into your desired section right away, keep checking for availability on STAR. If you do not have a seat in a course by August 15, please contact Professor Levandosky, the chair of the Mathematics and Computer Science department, for assistance.
- Add/Drop period ends on September 7. We will however allow you to switch from Calculus 2 to Calculus 1, or vice versa, until September 14, if you find that you are struggling in Calculus 2 or that you want to skip Calculus 1.

### **WebAssign**

- All sections of calculus will be using WebAssign for online homework assignments. Your instructor may also assign additional written homework to be handed in separately.
- WebAssign codes will come bundled with the textbook at the Holy Cross bookstore. The code will allow you to activate your WebAssign account.
- At the beginning of the semester, your calculus instructor will give you a Class Key that will allow you to enroll on WebAssign.