

The course

The three-course Calculus sequence for science majors consists of Math 171, Math 172, and Math 221. This course, Math 172, covers techniques of integration (such as substitutions and integration by parts), applications of integration (such as area, volume, arc length, center of mass, first-order differential equations), infinite sequences, and infinite series (including power series).

Textbook The required textbook is *Calculus: Early Vectors* by James Stewart, Brooks/Cole Publishing Company, 1999, ISBN 0-534-49348-3. The course covers (parts of) Chapters 6–10.

Prerequisites Math 151 or Math 171 is the official prerequisite for this course. Good performance in a high-school calculus course also satisfies the prerequisite.

Venue The course meets in three different rooms, as follows:

Day	Time	Room
Monday	9:10-10:00	BLOC 163
Tuesday	9:35-10:25	CE 136
Wednesday	9:10-10:00	BLOC 163
Friday	9:10-10:00	BLOC 130

Web site The departmental web site for Math 172 is <http://calclab.math.tamu.edu/docs/math172/>. There is a separate (regularly updated) web site specifically for section 502 at <http://www.math.tamu.edu/~harold.boas/courses/172-2005c/>.

The instructor

The instructor is Dr. Harold P. Boas. Office hours are in 202 Milner Hall, 10:15–11:15 A.M. on Monday, Wednesday, and Friday; also by appointment. The office telephone number is (979) 845-7269, and the email address is boas@tamu.edu.

Exams and Grades

There will be exams in class on the following days: Wednesday 28 September, Wednesday 26 October, and Wednesday 30 November. Each of these three exams counts for 20% of the course grade.

The cumulative final examination, scheduled by the Registrar for 8:00–10:00 A.M. on Monday 12 December, counts for 20% of the course grade. The remaining 20% of the course grade will be based on homework and quizzes.

Maple Availability

You have access to the computer mathematics system Maple both in the Mathematics Department CalcLabs and in the University Open Access Labs. If you want to buy a personal copy of Maple for your own PC, you will want to know about the special offer for TAMU calculus students. You can buy a copy of Maple 10 for \$75 by following the instructions at <http://calclab.math.tamu.edu/maple/adoption/>. (The price at the campus bookstore is \$140.)

Help

Visit the site <http://www.math.tamu.edu/teaching/helpsession/> to see the schedule for departmental help sessions. Visit the site http://calclab.math.tamu.edu/~belmonte/calclab/calclabhelp_2005c.html to see the schedule for help with Maple and with the BCA iLrn system.

Academic Integrity Statement

The Aggie Honor Code states: “An Aggie does not lie, cheat or steal, or tolerate those who do.” Consult the web site of the Aggie Honor System Office (AHSO) at <http://www.tamu.edu/aggiehonor/> for further information.

ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the office of Disability Services in Cain Hall (telephone 845-1637, web site <http://disability.tamu.edu/>).