

The course

This course is the second part of the three-course Engineering Mathematics sequence (consisting of Math 151, Math 152, Math 251 or 253). The course 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 series (including power series), and three-dimensional analytic geometry (dot and cross products, equations of lines and planes).

The honors sections cover the same material as the regular sections of Math 152 but strive for a deeper understanding of the material and examine more interesting problems and applications.

Textbook The required textbook is *Calculus: Early Vectors* (preliminary edition), by James Stewart, Brooks/Cole Publishing Company, 1999. The course covers (parts of) Chapters 6–11.

The required computer laboratory manual is *CalcLabs with Maple*, by David Barrow et al., Brooks/Cole, 2001.

Prerequisites “Math 151 or equivalent” is the official prerequisite for this course. Good performance in a high-school calculus course satisfies the “equivalent” clause.

Venue The course meets daily, but in several different rooms, as follows:

	Section 819	Section 820
MWF	1:50–2:40 P.M., BLOC 120	1:50–2:40 P.M., BLOC 120
Tuesday	8:00–8:50 A.M., BLOC 130	3:55–4:45 P.M., BLOC 127
Thursday	8:00–8:50 A.M., CE 223	3:55–4:45 P.M., CE 136

The meetings on Monday, Wednesday, and Friday are with the instructor (Harold P. Boas), and the meetings on Tuesday and Thursday are laboratory/recitation sessions with the teaching assistant (Mijoung Kim).

Home page The main home page for Math 152 is <http://calclab.math.tamu.edu/docs/math152/>. There is a separate home page specifically for sections 819–820 at <http://www.math.tamu.edu/~harold.boas/courses/152-2002c/>.

The instructor

Your instructor is Dr. Harold P. Boas. The email address is `boas@tamu.edu` and the telephone number is (979) 845-7269. The instructor's office hours are held in 202 Milner Hall, 1:00–2:00 P.M., on Tuesday and Thursday (and at other times by appointment).

The email address of the teaching assistant, Mijoung Kim, is `mjkim@math.tamu.edu`.

Grades

The regular sections of Math 152 have common exams in the evening. Honors sections 819–820 will not participate in the common exams but instead will have exams during the regular class period, 1:50–2:40 P.M. in BLOC 120, on Wednesday 9 October and Wednesday 20 November. Each of these two exams counts for 25% of the course grade.

The cumulative final examination, scheduled by the Registrar for 3:30–5:30 P.M. on Tuesday 17 December in BLOC 120, counts for 25% of the course grade. The remaining 25% of the course grade will be based on laboratory/recitation activities: quizzes, projects, etc.

Help

- Starting September 2, there will be CalcLab Open Hours (for help with the computer mathematics system Maple) in Blocker 127, Monday through Thursday, 7:00–10:00 P.M., and Sunday, 1:00–10:00 P.M.
- Starting September 9, there will be a help session (for all sections of Math 152) in Blocker 155, Monday through Thursday, 7:00–10:00 P.M.
- Starting September 9, there will be “Week In Review” lectures (for all sections of Math 152) by Greg Klein in Heldenfels 107, Monday, 7:30–9:30 P.M.
- Students with disabilities can get assistance from the office of Services for Students with Disabilities, Room 126 John J. Koldus Building, telephone (979) 845-1637, email `ssdinfo@tamu.edu`, web <http://studentlife.tamu.edu/ssd/>.