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* by James Stewart, Brooks/Cole Publishing Company, 1999, ISBN 0-534-49348-3. The course covers (parts of) Chapters 6–11.

The required computer laboratory manual is *CalcLabs with Maple* by Philip B. Yasskin et al., Brooks/Cole, 2003, ISBN 0-534-39370-5.

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 201	Section 202
MWF	1:50–2:40 P.M., BLOC 114	1:50–2:40 P.M., BLOC 114
Tuesday	8:00–8:50 A.M., BLOC 130	3:55–4:45 P.M., BLOC 127
Thursday	8:00–8:50 A.M., ZACH 128A	3:55–4:45 P.M., ZACH 322

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 (Samangi Munasinghe).

Web site The main web site for Math 152 is `http://calclab.math.tamu.edu/docs/math152/`. There is a separate (regularly updated) web site specifically for sections 201–202 at `http://www.math.tamu.edu/~harold.boas/courses/152-2004c/`.

The instructor

The instructor is Dr. Harold P. Boas. Office hours are in 202 Milner Hall, 9:00–10:00 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.

Grades

The regular sections of Math 152 have common exams in the evening. Honors sections 201–202 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 114, on Wednesday 29 September and Wednesday 3 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 14 December in BLOC 114, counts for 25% of the course grade. The remaining 25% of the course grade will be based on laboratory/recitation activities: quizzes, projects, etc.

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 students enrolled in TAMU classes that require Maple. You can buy a copy of Maple 9.5 for $75 by following the instructions at `http://calclab.math.tamu.edu/maple/adoption/`. (The price at the campus bookstore is $140.)

Academic Integrity Statement

The university is a community of scholars, and intellectual honesty is the fundamental tenet of that community. 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.

Help

- Starting the second week of classes, there will be CalcLab Open Hours (for help with the computer mathematics system Maple) in BLOC 127. The schedule is available online at `http://calclab.math.tamu.edu/ ~belmonte/calclab/calclabhelp.html`.

- Starting the second week of classes, there will be a drop-in help session (for all sections of Math 152 combined). The schedule is available online at `http://www.math.tamu.edu/teaching/helpsession/ helpsessions.html`.

- Starting the second week of classes, there will be "Week In Review" lectures (for all sections of Math 152 combined). The schedule is available online at `http://www.math.tamu.edu/teaching/helpsession/ review.html`.

- The following information comes from the Department of Student Life.

  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 Services for Students with Disabilities at the Department of Student Life in Cain Hall (telephone 845-1637, web site `http://studentlife.tamu.edu/ssd/`).