Multivariable Calculus (Calculus IV)
MA 1024, Sections B07A and B08A, 2002

• **Time/Place**
  Lecture: MTRF 12:00–12:50 PM/Goddard Hall 227

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<th>Section B07A</th>
<th>Section B08A</th>
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<tbody>
<tr>
<td>Conference:</td>
<td>Mon., 11:00-11:50, SH203</td>
<td>Mon., 1:00-1:50, OH218</td>
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<td>Lab:</td>
<td>Tues., 11:00-11:50, SH306</td>
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• **Instructor** Homer Walker, SH108, 831-5241, walker@wpi.edu.

• **Office Hours** MTRF 2:30–3:30 PM, or by appointment. I will try to give notice when I have to cancel particular office hours.

• **Teaching Assistant** Li Xiao, SH204, 831-5546, xiaoli@wpi.edu.

• **PLAs** Ryan Sternberg, rasmusic@wpi.edu; Sabin Thomas, sabin@wpi.edu.

• **Text**

  Material covered: Chapter 13 (*Geometry in the Plane, Vectors*), Secs. 13.4–13.5; Chapter 14 (*Geometry in Space, Vectors*), Secs. 14.1-14.7; Chapter 15 (*The Derivative in n-Space*), Secs. 15.1-15.8; Chapter 16 (*The Integral in n-Space*), Secs. 16.1-16.8.

• **Web Page** [http://www.math.wpi.edu/Course_Materials/MA1024B02/](http://www.math.wpi.edu/Course_Materials/MA1024B02/)

  When complete, this will have the syllabus, homework problems, quiz and exam solutions, and other useful information.

• **Homework**

  There are recommended homework problems for each section covered; a list of these will be made available. Collaboration on homework problems is encouraged. No homework will be collected; instead, there will be quizzes (see below).

• **Quizzes**

  There will be five quizzes during the term, given in approximately the last 15 minutes of class on the following Fridays: 10/25, 11/1, 11/8, 11/22, and 12/6. These will be graded on the basis of 0-20 points each. At least half of the points on each will be taken verbatim from the homework. Only the best four grades will count.
• Exams
  There will be two exams, a mid-term on Thursday, 11/14, and a final on Thursday, 12/12 (the last day of class).

• Maple Labs
  There will be five Maple lab assignments. Each will be worth 20 points. The labs will be run by the teaching assistant, Li Xiao. They will meet weekly at the times and places noted above beginning Tuesday, October 29, except there will be no labs on Tuesday, November 26, the week of Thanksgiving. Reports on lab assignments are due at the end of lab periods. The format of lab reports is described on the web.

• Conference Sessions
  The conference sessions will be run by the PLAs, Ryan Sternberg and Sabin Thomas. Participation in these is not required but is encouraged in the strongest terms. They will provide excellent opportunities to get help with the material covered in class and also to benefit from discussions involving other students and their problems.

• Grading
  In determining the course grade, the mid-term and final will be worth 25% each, the quizzes will be worth 30%, and the labs will be worth 20%.

• Missed Quizzes and Exams
  Exams can be made up only in case of a documented medical emergency. There will be no makeups for quizzes.

• Notice
  There may be changes in the above policies and schedules. Plenty of warning will be given in class or by e-mail.