

Information Sheet for Math 224 Spring 2010

Class Meets: MTWRF 12:00 am in HH353
Instructor: Branko Ćurgus
Office Hours: MTRF 11:00 am (or by appointment) in BH 178
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Text: Multivariable CALCULUS, 5th edition, McCallum, Hughes-Hallett, et al.

Material Covered We will cover Chapters 12, 13, 14, 15 and 16. For each chapter I will post a detailed syllabus. In Math 124 and 125 you studied differential and integral calculus of functions of a single variable. In this course we will study analogous concepts for functions of two and three variables.

Exams: There will be three in class exams and a comprehensive final exam. The dates for the in-class exams are Monday, April 19, Monday, May 10, and Friday, May 28. The final exam is comprehensive. It is scheduled for Tuesday, June 8, 8:00 - 11:00 am.

There will be no make-up exams. If you are unable to take an exam for a very serious reason verified in writing, please see me beforehand. This does not apply to the final exam which cannot be taken neither early nor late.

Homework: Suggested homework problems will be assigned in class. Homework will not be collected and graded. Questions about homework problems, or any other calculus problems are welcome. I strongly encourage you to put your questions in writing with a description of your difficulty. You can hand your questions in at the beginning of each period.

Grading: Each exam will be graded by an integer between 0 and 100. Your final grade will be determined using the following formula

$$FG = \lceil 0.2 * E1 + 0.2 * E2 + 0.2 * E3 + 0.4 * FE \rceil,$$

where $E1$, $E2$ and $E3$ are the grades for three in-class exams and FE is the grade for the final exam. Your letter grade will be assigned according to the following table.

| | | | | |
|--------------|-------------|-------------|--------------|--------------|
| F : 0 - 49 | D : 50 - 54 | C-: 55 - 59 | C : 60 - 64 | C+: 65 - 69 |
| B- : 70 - 74 | B : 75 - 79 | B+: 80 - 84 | A- : 85 - 89 | A : 90 - 100 |

Remarks This is a fast-paced course. It consists of three parts each being a foundation for the next. The first part (Chapters 12, 13) deals with geometric representations of functions of two variables and the geometry of three-dimensional space. The second part deals with differential calculus and its applications (Chapters 14, 15). The third part deals with integration (Chapters 16). It is essential that you keep up with the material presented every day; do the homework problems; look for help if you encounter difficulties.

How to succeed: Attend class regularly and do all the suggested homework problems. Do more problems. (Ideally you should do all the problems in the book.) Read the book before class and before doing the problems. Keep organized notes of all your work. Make sure that you *fully understand* how to do each assigned problem correctly. Do not hesitate to ask a question whenever something is unclear. You can talk to other students from this class or other calculus classes, visit Math Center in BH 211A, stop by my office during the office hours or make an appointment. There are plenty of resources. Use them!