

Information Sheet for Math 225 Summer 2012

Class Meets: MTWR 9:00 pm in MH115
Instructor: Branko Ćurgus
Office Hours: MTWR 10:00 am (or by appointment) in BH 178
Email: curgus@gmail.com
Web page: http://myweb.facstaff.wvu.edu/curgus/Courses/225_201230/225.html

Text: Multivariable CALCULUS, 5th edition, McCallum, Hughes-Hallet, et al.

Material Covered We will review Chapter 16 and cover Chapters 17, 18, 19 and 20. In Math 124 and 125 you studied differential and integral calculus of functions of a single variable. In Math 224 you studied differential and some integral calculus of functions of two and more variables. In Math 225 we study more of the integral calculus in the setting of functions of multiple variables. In particular, we investigate the analogies of the Fundamental Theorem of Calculus from single variable calculus to functions of two and more variables. This is the relationship between integration and differentiation when the integral may now be taken over a curve, a surface, a region, or the boundary of a region; the most important results being “Green’s Theorem”, the “Divergence Theorem”, and “Stokes’ Theorem”.

Exams: There will be two in class exams and a comprehensive final exam. The dates for the in-class exams are Wednesday, July 11 and Monday, August 6. The final exam is scheduled for the last day of classes Thursday, August 16 during the regular class time.

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 on the class web-site. 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 in your questions at the beginning of each class period. Sign your question. I will give extra credit for well posed interesting questions.

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

$$FG = \lceil 0.3 * E1 + 0.3 * E2 + 0.4 * FE \rceil,$$

where E1 and E2 are the grades for four 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

How to succeed: Attend class regularly and do all the suggested homework problems. Do and redo more problems. 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!