Information Sheet for Math 125 Winter 2009

Class Meets: MTWRF 11:00 am in OM 585

Instructor: Branko Ćurgus, **Office:** BH 178, **Office Hours:** MTRF noon

Course Website: `http://myweb.facstaff.wwu.edu/curgus/Courses/125/125.html`

Text: CALCULUS, 4th edition, Hughes-Hallett, Gleason, McCallum, et al.

Material Covered: We plan to cover Chapters 5, 6, 7, 8, and a part of Chapter 11. For each Chapter I will hand out a syllabus of what will be covered with suggested homework problems.

Calculator: A graphing calculator is required.

Exams: There will be three in-class exams and a comprehensive final exam. The dates for the in-class exams are Tuesday, January 27, Tuesday, February 17, and Friday, March 6. The final exam is comprehensive. It is scheduled for Tuesday, March 17 from 8:00 am to 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: 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.

Assignments: There will be two written homework assignments. These assignments will be handed out in class one week before they are due. They will be graded and the grade will count towards the final grade. You may discuss assignments with other students in general terms. The actual solution and the write-up of the solution must be done independently. All of your resources for solving assigned problems must be cited.

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

$$\texttt{FG} = \lceil \texttt{0.4*(E1 + E2 + E3)/3 + 0.2*(A1+A2)/2 + 0.4*FE} \rceil ,$$

where `E1`, `E2` and `E3` are the grades for three in-class exams and and `A1`, `A2`, `FG`, are the grades for Assignment 1, Assignment 2, and 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

Course Objectives: This is the second course in single variable calculus. The main topic of study is the integration of one-variable functions and its applications. The successful student will able to: (1) Interpret the meaning of the definite integral as a limit of Riemann sums. (2) Interpret the relationship between the derivative and the definite integral as expressed in two parts of the Fundamental Theorem of Calculus. (3) Compute antiderivatives of elementary functions and their combinations using integration methods. (4) Translate word problems into calculus formulation and solve them using integrals. (5) Solve simple differential equations.

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. It is essential that you keep up with the material presented every day. 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!