Information sheet for Math 438 Winter 2010

Class meets: MTRF   10am in OM 587

Instructor: Branko Ćurgus   **Office:** BH 178   **Office hours:** MTRF 11am

Course website: `http://myweb.facstaff.wwu.edu/curgus/Courses/438_201010/438.html`

Text: *A First Course in Complex Analysis With Applications* by D. G. Zill and P. D. Shanahan

Material covered: algebra and geometry of complex numbers (Chapter 1), elementary complex functions (polynomials, root functions, exponential function, trigonometric functions, complex logarithm) (Chapters 2 and 4), differentiation of complex functions (Chapter 3), integration of complex functions (Chapter 5), series representation of complex functions and the residue theorem (Chapter 6).

Exams: There will be two "mid-term" exams and a comprehensive final exam. The dates for the "mid-term" exams are Monday, February 1 and Monday, March 1. The final exam is scheduled for Monday, March 15, 2010 from 8-11am.

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.

Assignments: There will be two written homework assignments. These assignments will be handed out one week before they are due. They will be graded and the grade will count towards the final grade.

Homework: A list of suggested homework problems will be posted daily on the class website. Homework will not be collected. To succeed in class you should do each problem on your own. While working on problems you should recognize which theoretical tools are being used to solve a particular problem. As a result you will acquire general problem solving strategies, which is one of the goals of higher education. Incidentally, this will also lead to your success on exams.

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

$$\texttt{FG = } \lceil \texttt{0.2*E1 + 0.2*E2 + 0.1*A1 + 0.1*A2 + 0.4*FE} \rceil,$$

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

This course covers a lot of material. It is a fast-paced course. It relies on concepts learned in our calculus sequence (Math 124, 125, 224, 225 and 226). Therefore 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: Doing well in mathematics depends on understanding not memorizing. Exercise critical thinking while reading the text and doing the problems since understanding cannot be achieved through superficial studying. Talking to other students is a good way to check your understanding. If you feel that you are not on your way to understanding the material do not hesitate to ask questions. I will be glad to talk to you during my office hours, or you can make an appointment.