STUDENT SYLLABUS MAA 4402–01/MAT 5933–07 Summer 04

WEB PAGE: http://www.math.fsu.edu/∼bellenot/class/su04/complex

MEETING TIMES: MTWRF 9:30-10:45 106 LOV

INSTRUCTOR Dr Steven Bellenot

OFFICE 002-B Love ('B' for Bellenot in the Basement)

OFFICE HOURS MWR 11:00-11:30 TF 8:45-9:15

EMAIL bellenot@math.fsu.edu

WEB http://www.math.fsu.edu/∼bellenot

OFFICE PHONE 644-7189

ELIGIBILITY. MAC2313 (Calculus 3) with C- or better.

TEXT. J.W. Brown and R.V Churchill *Complex Variables and Applications*, 7th Edition. McGraw-Hill, 2004. See the class web page for other book suggestions.

COURSE CONTENT. Chapters 1-7 of the text.

COURSE OBJECTIVES. The purpose of this course is to introduce students to the basic concepts of the beautiful theory of calculus over the complex numbers. This includes the geometry of elementary complex functions, complex path integrals and Cauchy's theorem, and applications of the Residue Theorem, including the evaluation of the real definite integrals using complex methods.

ATTENDANCE. Attendance and class participation will be factors in determining the final grade. No food or drinks are allowed in the classroom. Please turn off cell phones and keep them hiden during class.

GRADING. Grading is based on the easy going 85% A, 75% B, 65% C, 55% D system. There will be 3 mini-tests (each worth 25% of the final grade) and 3 short quizzes (each worth 5% of the final grade). The last 10% of your grade will be based on homework.

Quiz Dates: July 2, July 16, July 30
Mini-Test Dates: July 9, July 23, August 6

EXAM POLICY. No makeup tests or quizzes will be given. A missed test or quiz may be excused if the student presents sufficient evidence of acceptable extenuating circumstances. The next test grade will be used for the missing grade. Students must bring FSU ID cards to all tests.

HOMEWORK. The remaining 10% of your grade will be determined by homework. The list of homework problems (and their statements) for the semester is on the class web site. Students will present problems that are due Tuesday and Thursday, while assignments due Monday and Wednesdays will be collected. Most problems will not be graded directly. Please neatly organize your completed assignments into a notebook and bring them for inspection on test days. Late homework is not accepted.

HOMEWORK RULES. Your **OWN** work, written in clear English. Neatly typed or writtin in ink on one side of standard 8.5 by 11 paper. Multiple pages must be stapled and **NOT** dog-eared or paper clipped. Discussion about the homework problems with other students or the professor is permissible and even encouraged, but the final output needs to be uniquely yours and not obtained be copying from anothers solution.

HONOR CODE. The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. Please note that violations of this Academic Honor System will not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. Before submitting any work for this class, please read the "Academic Honor System" in its entirety (as found in the <u>FSU General Bulletin</u> and in the <u>FSU Student Handbook</u> (see URL below)) and ask the instructor to clarify any of its expectations that you do no understand.

http://www.fsu.edu/Books/Student-Handbook/codes/honor.html

AMERICAN DISABILITIES ACT. Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class.

http://www.fsu.edu/%7Estaffair/dean/StudentDisability/