

Syllabus for MATH 406: Advanced Calculus II
Spring Semester of 2008
webpage: <http://www.math.psu.edu/cao/math406/math406.html>

INSTRUCTOR: Wenwu Cao
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TIME AND PLACE: Sec. 01 (MWF 10:10am -11:00am) 169 Willard
 Sec. 02 (MWF 9:05am - 9:55am) 365 Willard

OFFICE HOURS: MWF 11:30am-12:30pm

TEXTBOOK: *Complex Analysis for Mathematics and Engineering*,
by John H. Mathews and Russ W. Howell, published by Jones and Bartlett, 5th Edition.

PREREQUISITE: Math 405. Students who have passed Math 421 may not take this course for credits.

COURSE COVERAGE: This course will cover the topics of complex analytic functions, sequences and series, residue theory, conformal mapping and some applications in solving physics problems. The main contents are in the textbook: Chapters 1, 2, 3, 4, 5, 6, 7, 8, 10 and 11. Homework assignments will be given in class and also can be found in the class webpage <http://www.math.psu.edu/cao/math406/homework.html>

EXAMINATIONS: Two midterm exams will be given in class (50 min each) and the Final Exam will be given in the week of May 5-9, 2008.

COURSE GRADES: The overall grade will be calculated based on 450 point scale distributed as follows:

Examination I:	100 pts
Examination II:	100 pts
Homework:	100 pts
Final Examination:	150 pts
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Total:	450 pts

ACADEMIC INTEGRITY STATEMENT:

Academic dishonesty includes, but is not limited to, cheating, plagiarizing, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students... A student charged with academic dishonesty will be given oral or written notice of the charge by the instructor. If students believe that they have been falsely accused, they should seek redress through informal discussions with the instructor, the department head, the dean or the campus executive officer. If the instructor believes that the infraction is sufficiently serious to warrant the referral of the case to Judicial Affairs, or if the instructor will award a final grade of *F* in the course because of the infraction, the student and instructor will be afforded formal due process procedures." From *Policies and Rules, Student Guide to the University*, Policy 49-20.