

Theory of Functions of a Complex Variable II

The course

This course in the theory of functions of one complex variable is a continuation of Math 617, which is the prerequisite. Topics include applications of Cauchy's integral formula, analytic continuation, harmonic functions, entire functions, and Runge's approximation theorem.

Textbook We will be using an out-of-print book, *Invitation to Complex Analysis*, by Ralph P. Boas (my father). I am in the process of preparing a new edition of the book, and I will post pdf files of the chapters as the course progresses.

Venue The course meets on Tuesdays and Thursdays, 2:20-3:35 P.M., in CE 136.

Home page The home page for the course is <http://www.math.tamu.edu/~harold.boas/courses/618-2007a/>.

The instructor

The instructor is Dr. Harold P. Boas. The email address is boas@tamu.edu telephone number is (979) 845-7269. The instructor's office hours are held in 202 Milner Hall from 11:00 to 12:00 on Tuesday, Wednesday, and Thursday; and also by appointment.

Exams and grades

There will be take-home examinations during the weeks of February 12, March 19, and April 23, but no final examination. Each examination counts for 25% of the course grade. The remaining 25% of the course grade will be based on homework/classwork.

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Other information

Americans with Disabilities Act Statement from the Department of Student Life

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the office of Disability Services in Cain Hall (telephone 979-845-1637, web site <http://disability.tamu.edu/>).

Academic Integrity Statement from the Aggie Honor System Office

The Aggie Honor Code states: "An Aggie does not lie, cheat or steal, or tolerate those who do." Information about the Honor Council Rules and Procedures may be found at the web site <http://www.tamu.edu/aggiehonor/>.