• **Instructor:** Professor Atanas Stefanov  
• **Office:** Snow 514, Phone: 4-3009  
• **Office Hours** T 3:00-4:00 or by appointment.  
• **Web:** stefanov@ku.edu  
  http://www.math.ku.edu/~stefanov  
• **Prerequisite:** Math 766 or equivalent or currently taking Math 766  
• **Topics:**  
  Complex numbers and functions; complex differential operators; Cauchy-Riemann equations; analytic and harmonic functions; Cauchy formula; Power series representation of analytic functions; Liouville’s theorem; zeros of analytic functions; Laurent series and meromorphic functions; argument principle, the residue theorem and applications; counting zeros and poles of meromorphic functions; maximum modulus principle and Schwartz lemma; Riemann mapping theorem.  
• **Homework:** There will be five homework assignments covering specific portions of the material, assigned approximately once every two weeks  
• **Exams:** There will be one midterm exam and a comprehensive final exam.  
  **Final exam:** Friday May 15th, 7:30-10:00 a.m. in 306, Snow Hall.  
• **Grade:** The grade will be determined as follows:  
  Homework assignments - 40 %, Midterm exam - 20 %, Final exam - 40 %.  
• **Students with disabilities:** The staff of Services for Students with Disabilities (SSD), 135 Strong, 785-864-2620, coordinates accommodations and services for KU sources. If you have a disability for which you may request accommodation in KU classes and have not contacted them, please do so as soon as possible. Please also see your instructor privately in regard to this course.  
• **Religious observances:** Any student in this course who plans to observe a religious holiday which conflicts in any way with the course schedule or
requirements should contact me as soon as possible to discuss alternative accommodations.