

# Complex Analysis II – Spring Semester 2015 Syllabus

MWF 11:30 – 12:20 MSCS 509

Instructor: Dr. Anthony Kable  
Office: MSCS 521  
Office Hours: R 11:30 – 12:20, F 2:30 – 3:20 in MSCS 528  
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## Basic Information

The course is a continuation of Complex Analysis I. I plan to discuss harmonic functions, Hermitian metrics on plane domains and their applications, the basic approximation and interpolation theorems for holomorphic functions, extensions of the Maximum Modulus Theorem, the gamma function, and analytic continuation and monodromy. However, this list of topics and the accompanying schedule is tentative and subject to change. The textbook is *Complex Made Simple* by David Ullrich.

## Grading

The course grade will be based on two preliminary exams (20% each) and five homework assignments (12% each). There will be an optional final exam offered to any student who wishes to improve his or her grade. It will count for 100% in case this results in a higher grade, and for 0% otherwise. The first preliminary exam will be in-class and will have the same format as the exams given in Complex Analysis I. The second preliminary exam will be take-home. If necessary, the final exam will be held on Monday, May 4 from 10:00 – 11:50. A score of at least 90% will ensure an A, a score of at least 80% will ensure at least a B, a score of at least 70% will ensure at least a C, and a score of at least 60% will ensure at least a D. I will use discretion in close cases.

## Miscellaneous Information

You should read the Spring Semester 2015 syllabus attachment, which I shall post to D2L. You are subject to the University's policy on academic integrity, information about which may be reached from the Division of Academic Affairs web page at <http://academicaffairs.okstate.edu>.