

Math. 655. Complex Analysis I, Fall 2005

Instructor: Dr. Iwo Labuda
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Office Hours: Tue-Thu 9:15 - 11:00 or by appointment,
Wednesday 12:30 – 3:00

Text: Brown-Churchill , Complex variables and applications, McGraw – Hill, 7th
Edition (6th edition can also be used, because it does not differ much).

Time/place: T-Tx 11:00 – 12:15, Hume Hall 331

We will follow the book. We intend to cover first five or six chapters. These are:
Complex numbers, Analytic functions, Elementary Functions, Integrals, Series,
Residues and poles.

As an additional text I recommend Bruce B. Palka, An introduction to Complex
Function Theory, Springer 1991. Especially the material connected with the Cauchy-
Goursat Theorem is more extensively covered in Palka's book.

Tests: Two major tests will be given. We will decide on the form of the final
depending on how the course develop. This is a theoretically
oriented course in which proofs form its integral part. The statements of
the theorems and the ability to prove them will be tested.

There is no D grade in this course. In order to pass a student needs at least a "C".