Department of Mathematics & Statistics
Concordia University

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MATH 366 (MATH 601J)
Complex Analysis I
Fall 2014

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Office Hours: Wednesdays, 15:00-16:00

Texts:

1. Main textbook:
   Complex Variables and Applications, 8th Revised Edition (2008), R.V. Churchill and J.W. Brown, McGraw-Hill Professional.
   ISBN-10: 082183780X ISBN-13:978-0071263283.

2. Second textbook:
   Complex Variables and Applications, 2nd Edition (2006), Alan Jeffery, Chapman & Hall/CRC/Taylor & Francis.
   ISBN-10: 158488-553-X ISBN-13: 978-158488-553-5.

3. A helpful collection of problems and solutions may be found in the Schaum's Outline, *Complex Variables*, by Murray Spiegel.

Evaluation: There will be one mid-term test and a final exam. The final grade will be the higher of:
a) The final exam (60%), the mid-term (30%) and weekly problem assignments (10%)
b) The assignments (10%) and the final exam (90%)

NOTE: THERE IS NO "100% FINAL" OPTION. Problem assignments will be given (almost) each week, to be submitted the following week; solutions will be posted.

The following table gives an indication of the scope and *approximate* pace of the course, in terms of sections of the text book *Complex Analysis* by Brown and Churchill:

Topics	Chapters	No. of Weeks on Topic
Introduction	1	1
Analytic functions	2	2
Elementary functions	3	2
Complex integration	4	2
Taylor and Laurent series	5	2
Residue theorem and applications	6 & 7	2
Selected topics	7 & 9 & 12	1