

## Syllabus: MA 445/545 OP – Complex Analysis Summer, 2020

Class meets: M-W-F 9:40–11:00, REMOTE

Instructor: Dr. Nándor Simányi

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Office hours/consulting: By e-mail or by appointment

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Textbook: Complex Variables and Applications by James Ward Brown and Ruel V. Churchill, McGraw-Hill. (Any edition.)

Course Description. (3 credit hours) Review of complex numbers and infinite series, analytic functions, complex integration and Cauchy's theorem, Taylor and Laurent series, calculus of residues and applications, conformal mappings.

Assessment Procedures. Student achievement will be assessed by any or all of several measures: short weekly quizzes, two major midterm tests, and a comprehensive final examination. A numerical grade is given on each item. All quizzes and midterm tests take place on Fridays. Recommended homework exercises will give you a good opportunity to practice your knowledge, while also orienting you towards the style of problems you can expect on the midterm and final exams.

Grading Policy. Student achievement on the items assessed will be used to determine the final grade. The percentage of the final numerical grade (0-100 scale) assigned to each item is as follows:

Final exam: 40%, major tests: 20% each, quizzes: 20%. The final (aggregate) numerical score (percentage) will be curved.

Presumptive schedule of on-line tests:

Test 1: June 26

Test 2: July 17

Final: August 12, 8:00--10:30