Math 411 Midterm Review

Some information on the midterm:

- Time and location: 15:00-15:50, October 20, 2017, CAB 377.
- Sections covered by the midterm: Lecture Notes: Chap. 1-5.
- Midterm problems are similar to the problems in HW1-5.

A list of topics covered by the midterm:

- Basics of complex numbers
- Limits and continuity of complex functions
- Complex differentiation
- Cauchy-Riemann equations and analytic functions
- Power series and radius of convergence
- Analyticity of power series
- Complex line integrals, estimate of complex line integrals and complex anti-derivatives
- Goursat’s Theorem, convex sets, star-shaped sets and simply connected sets
- Cauchy Integral Theorem and Cauchy Integral Formula