

Mathematics 300, Section 201, Term II, 2009-10

Instructor: JINGYI CHEN

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LECTURE: TuTh 14:00-15:30, Room 209 in Neville Scarfe (SCRF)

TOPICS:

- Complex Numbers (Sections 1.1 - 1.6)
- Analytic Functions (Sections 2.1 - 2.5)
- Elementary Functions (Sections 3.1 - 3.3, Section 3.5)
- Complex Integration (Sections 4.1 - 4.6)
- Series Representations for Analytic Functions (Sections 5.1 - 5.6)
- Residue Theory (Sections 6.1 - 6.3)

TEXT: Fundamentals of Complex Analysis with Applications to Engineering and Science, 3rd Ed, E.B. Saff and A.D. Snider

GRADE POLICY: Better result of the following

- (a) 10% homework + 25% midterm + 65% final exam
- (b) 10% homework + 30% midterm + 60% final exam

EXAMS: The midterm exam will be on February 11, Thursday. No make-up midterm exam will be given. Final exam date will be determined by the Mathematics Department.

HOMEWORK: Homework assignment will be posted on-line weekly at <http://www.math.ubc.ca/~jychen>, problem set will be collected on each Thursday (except the Thursday in the first week). Late homework will not be accepted. Copying solutions from another student, from the web or from any other source, and turning them in as your own is a violation of the Academic Code.