Math 332 - Introduction to Functions of a Complex Variable - Spring 2015

MTh 2:30 pm –3:55 pm
Location: Central King Building 206

Instructor Catalin Turc (catalin.c.turc@njit.edu)
Office: Cullimore 625, Phone (973) 596-5327
Office hours: MTh 1:00pm–2:30pm or by appointment
WEB: https://web.njit.edu/ cct21/
Course Information and policies:


• **Course Overview:**

  1. Week 1: Complex Numbers, Sections 1–5
  2. Week 2: Complex numbers, analytic functions, Sections 6–12
  3. Week 3: Analytic functions, Sections 14–19
  4. Week 4: Analytic functions, Sections 20–25
  5. Week 5: Analytic and elementary functions, Sections 25–31
  6. Week 6: Elementary functions, Sections 32–36
  7. Week 7: Integrals, Sections 37–41
  8. Week 8: Integrals, Sections 42–46
  9. Week 9: Integrals, Sections 47–52
10. Week 10: Integrals, Series, Sections 53–56
11. Week 11: Series, Sections 57–62
12. Week 12: Series, Residues, and poles, Sections 63–68
13. Week 13: Residues and poles, Applications, Sections 69–74
14. Week 14: Residues and poles, Applications of residues, Sections 75–80
15. Week 15: Applications of residues, Sections 81–89
Homework: Homework problems will be assigned after each class based on the material covered, and will be due the following class. Late homework is not accepted.

Exams and Grading: There will be two in-class midterm exams and a final exam. The midterm exams are scheduled on Feb 26 and Apr 2.

Attendance Policy: Attendance at all classes will be recorded and is mandatory. Please make sure you read and fully understand the Math Departments Attendance Policy. This policy will be strictly enforced.

Grading Policy:

1. Homework and Quizzes 30%
2. Midterm Exams 40%
3. Final Exam 30%

Grading Scale:

1. A: 90-100
2. B+: 85-89
3. B: 75-84
4. C+: 70-74
5. C: 60-69
6. D: 50-59
7. F: 0-49