

Syllabus
Fall Semester, 2004
MATH 4353, Complex Analysis
Time: MW, 2:00–3:15 PM
Place: Boyd Building, Room 304

Text: *Complex Variables and Applications*, Sixth Edition, by Churchill and Brown, McGraw-Hill, 1996.

Instructor: Dr. Mark Faucette

Office: Boyd Building 323

Phone: My office phone number is 770-836-4344. Call and leave a message on my answering machine. I screen my phone calls, so make sure you leave a message.

E-Mail: My e-mail address is mfaucett@westga.edu.

The Web: My web site is at URL <http://www.westga.edu/~mfaucett/>. The full course syllabus is located on my web site and can be downloaded as a pdf file. It is the student's responsibility to download and/or to print the syllabus and to follow it.

Office Hours: My office hours are

- MW: 8:00–9:00 AM, 10:00–11:00 AM, 1:00–2:00 PM
- T: 9:00–9:30 AM, 10:30–11:00 AM, 1:00–2:00 PM
- F: 8:00–9:00 AM, 10:00–11:00 AM

I do not hold office hours during final exam week.

Grading Policy

Homework (750 points) Homework will be collected weekly and graded. Homework will count seven hundred fifty points.

Final Examination (250 points) There will be one comprehensive final examination counting two hundred fifty points.

At the end of the semester, the following grading scale will be used:

- 1000 points is the total number of points possible.
- A total of 850–1000 points earns an A.
- A total of 700–849 points earns a B.
- A total of 550–699 points earns a C.
- A total below 550 points earns an F.

Attendance and Classroom Decorum: You are expected to attend class every class period. Class time is at a premium, so it is imperative that it be used wisely. You are not allowed to come to class late or to leave early. You may not converse with other students during class time without my permission. I will allow some time for questions at appropriate points during the lecture. Otherwise, you are not allowed to ask questions during lecture. If you disrupt the educational atmosphere of the class, I will ask you to leave. If I have to ask you to leave twice, I will withdraw you from the course. If you miss class for any reason, it is your responsibility to get the lecture notes from a classmate, read the text, and do the homework.

Pagers and Cell Phones: Students are not allowed to carry pagers or cell phones in the classroom unless they are set to an inaudible setting.

Office Hour Regulations: In order for me to utilize my time more wisely, I require students to make appointments to see me during office hours. I will be happy to discuss individual homework problems as well as course logistics during office hours.

Course Content: The course will cover the sections of the book listed on the attached lecture schedule.

Reading Assignments: You are responsible for reading and understanding the text before it is covered in class through lecture. The lectures during class time will supplement, not replace, the reading of the text. Since class time is limited, only a limited number of examples can be given in class. You can find a large number of examples worked completely in the text. If you are diligent, you will find these examples a great help in completing the homework assignments and earning a satisfactory grade at the end of the semester.

Lecture: The primary method of classroom instruction will be by lecture during class time. The class time will be divided between lectures on new material and working problems at the board. It is extremely important that you attend class regularly. You are responsible for all the material presented in the lectures, regardless of attendance.

Homework: Homework assignments will be made frequently, and will coincide with the class lecture. The homework problems may be either examples or applications of the theory presented in class, or expansion of that theory. You may complete the homework either individually or in small groups. Working in small groups is encouraged provided that each member of the group actively contributes to a discussion of the material and to solutions of the problems. You are responsible for completing every homework assignment, regardless of class attendance. Homework will be collected each Monday except the first day of class and graded.

Extra Credit: There is no extra credit for any reason. All points must be earned on the homework and the final examination.

Make-Up Work: There are no make-up grades for any reason. Students failing to turn in a homework assignment on the day it is due will be assigned a zero for that assignment. Students having an excused absence on the day homework is due will have their homework average entered for the missed grade. Absences must be excused *before* they occur except in extraordinary cases, such as active military duty, jury duty, or hospitalization. *Being sick, short of being hospitalized, is not an excuse.* If you anticipate being absent from a test or quiz for a religious holiday, it is your responsibility to notify me *in advance of the test.*

Final Examination: There will be a take-home comprehensive final examination given out on ??.

MATH 4353 Lecture Schedule

Monday, August 23	Sections 1 & 2
Wednesday, August 25	Sections 3 & 4
Friday, August 27	Sections 5 & 6
Monday, August 30	Sections 7 & 8
Wednesday, September 1	Sections 9 & 10
Friday, September 3	Sections 11 & 12
Monday, September 6	Labor Day
Wednesday, September 8	Section 13
Friday, September 10	Section 14
Monday, September 13	Section 15
Wednesday, September 15	Section 16
Friday, September 17	Section 17
Monday, September 20	Section 18
Wednesday, September 22	Section 19
Friday, September 24	Section 20
Monday, September 27	Section 21
Wednesday, September 29	Section 22
Friday, October 1	Section 23
Monday, October 4	Section 24
Wednesday, October 6	Section 25
Friday, October 8	Section 26
Monday, October 11	Section 27
Wednesday, October 13	Section 30
Friday, October 15	Section 31
Monday, October 18	Section 32
Wednesday, October 21	Section 33
Friday, October 22	Section 34
Monday, October 25	Section 35
Wednesday, October 27	Section 36
Friday, October 29	Section 37
Monday, November 1	Section 39
Wednesday, November 3	Section 40
Friday, November 5	Section 41
Monday, November 8	Section 42
Wednesday, November 10	Section 43
Friday, November 12	Section 44
Monday, November 15	Section 45
Wednesday, November 17	Section 46
Friday, November 19	Section 47
Monday, November 22	Section 53
Wednesday, November 24	Thanksgiving Recess
Friday, November 26	Thanksgiving Recess
Monday, November 29	Section 54
Wednesday, December 1	Section 55
Friday, December 3	Section 56
Monday, December 6	Section 57
Wednesday, December 8	Section 60

MATH 4353 Assignment Sheet

HOMEWORK #1: DUE MONDAY, AUGUST 30

Problems to work but not hand in:

- pp. 4–5: #1, 2, 3
- pp. 11–12: #1, 2, 5, 6, 7, 12
- pp. 17–19: #1, 2, 3, 4, 10, 13, 14, 15

Problems to turn in:

- pp. 4–5: #4, 11, 14
- pp. 11–12: #4, 14
- pp. 17–19: #5, 9, 12, 13

HOMEWORK #2: DUE **Wednesday, September 8**

Problems to work but not hand in:

- pp. 22–23: #1, 2, 6
- p. 25: #1, 2, 3, 4, 5, 7
- pp. 31–33: #1, 2, 3

Problems to turn in:

- pp. 22–23: #7
- p. 25: #6, 8, 9, 10
- pp. 31–33: #5, 6

HOMEWORK #3: DUE MONDAY, SEPTEMBER 13

Problems to work but not hand in:

- pp. 42–43: #1, 2, 3, 9, 10

Problems to turn in:

- pp. 42–43: #1(e), 4, 7

HOMEWORK #4: DUE MONDAY, SEPTEMBER 20

Problems to work but not hand in:

- pp. 47–48: #1, 2, 7

Problems to turn in:

- pp. 47–48: #4, 5, 6, 8

HOMEWORK #5: DUE MONDAY, SEPTEMBER 27

Problems to work but not hand in:

- pp. 54–55: #1, 2, 3, 4, 5

Problems to turn in:

- pp. 54–55: #1(b), 2(c), 6, 7, 10

HOMEWORK #6: DUE MONDAY, OCTOBER 4

Problems to work but not hand in:

- pp. 62–64: #3, 4, 6, 8, 10, 11
- pp. 67–68: #1, 2, 4

Problems to turn in:

- pp. 62–64: #1, 2, 7, 9, 12
- pp. 67–68: #3, 14, 15

HOMEWORK #7: DUE MONDAY, OCTOBER 11

Problems to work but not hand in:

- pp. 71–72: #2, 8, 14, 16, 17
- pp. 74–75: #2, 4, 5, 7, 12

Problems to turn in:

- pp. 71–72: #4, 5, 6, 11, 12
- pp. 74–75: #1, 3, 10, 11

HOMEWORK #8: DUE MONDAY, OCTOBER 18

Problems to work but not hand in:

- pp. 79–81: #1, 2, 3, 4, 5
- pp. 92–95: #1, 8, 9, 10

Problems to turn in:

- pp. 79–81: #9, 10, 17
- pp. 92–95: #2, 3, 4, 5, 6, 7, 11

HOMEWORK #9: DUE MONDAY, OCTOBER 25

Problems to work but not hand in:

- pp. 102–104: #5, 10, 11, 14, 15

Problems to turn in:

- pp. 102–104: #1, 2, 3, 7, 13

HOMEWORK #10: DUE MONDAY, NOVEMBER 1

Problems to work but not hand in:

- None

Problems to turn in:

- None

HOMEWORK #11: DUE MONDAY, NOVEMBER 8

Problems to work but not hand in:

- pp. 128–130: #1, 3, 4

Problems to turn in:

- pp. 128–130: #1(c), 2, 5, 6, 9

HOMEWORK #12: DUE MONDAY, NOVEMBER 15

Problems to work but not hand in:

- pp. 136–137: #6, 7, 8, 9, 10
- pp. 142–143: #1, 2, 4, 6

Problems to turn in:

- pp. 136–137: #1, 2, 3, 4, 5
- pp. 142–143: #3, 7, 8, 9, 10

HOMEWORK #13: DUE MONDAY, NOVEMBER 22

Problems to work but not hand in:

- pp. 149–150: #1, 4, 5, 6
- pp. 156–159: #1, 6, 7, 8

Problems to turn in:

- pp. 149–150: #2, 3, 10, 11
- pp. 156–159: #2, 3, 4, 5

HOMEWORK #14: DUE MONDAY, NOVEMBER 29

Would I give you homework over Thanksgiving?!?!

HOMEWORK #15: DUE MONDAY, DECEMBER 6

Problems to work but not hand in:

- pp. 188–190: #1, 4, 5,

Problems to turn in:

- pp. 188–190: #2, 3, 4(b), 5(b), 6

HOMEWORK #16: DUE Friday, December 10

Problems to work but not hand in:

- pp. 197–199: #3, 6
- pp. 208–210: #8, 9

Problems to turn in:

- pp. 197–199: #1, 2, 4, 5, 6(a)
- pp. 208–210: #1, 2, 3, 4, 5, 6, 7

Information Sheet

(Please Print)

Name: _____ SSN: _____

Local mailing address: _____ E-mail: _____

Phone: _____ Year at UWG: _____

Math Background (List all mathematics courses successfully completed beyond the calculus sequence.)

What are you taking this semester?

When is your birthday?

Where are you from?