

Math 332
Syllabus for Winter 2007

Instructor: Paul Hurst
Office: GCB 160B
Office Hours: MWF 10am and TR 9am and 11am or by appointment or chance
Office Phone: 293-3802
Text: Complex Analysis for Mathematics and Engineering, Fifth Edition, by Mathews and Howell

Grading: Your grade will come from chapter exams (400 points), homework (200 points) and the final exam (200 points). The way that I factor in the homework is a bit complicated. I'll explain it in class, but basically the more you do the better your score is going to be (of course). If your homework point total is high enough it will start replacing low exam scores.

Course goals with regards to the mathematics major desired outcomes: The following will be practiced with feedback.

- 1) Communicating mathematical ideas effectively in both written and oral context.
- 2) Proficiency in Differential, Integral, and Multivariable Calculus necessary for success in Advanced mathematical studies.
- 3) The organization and explanation of your knowledge of logic and mathematical content in the structure of original valid proofs.

Special Needs: Brigham Young University - Hawaii is committed to providing a working and learning atmosphere, which reasonably accommodates qualified persons with disabilities. If you have any disability that may impair your ability to complete the course successfully, please contact the Student with Special Need Coordinator, Leilani A'una at 293-3518. Reasonable academic accommodations are reviewed for all students who have qualified documented disabilities. If you need assistance or if you feel you have been unlawfully discriminated against on the basis of disability, you may seek resolution through established grievance policy and procedures. You should contact Human Resources Services at 780-8875

Preventing Sexual Harassment:

Title IX of the education amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including federal loans and grants. Title IX also covers student-to-student sexual harassment. If you encounter unlawful sexual harassment or gender-based discrimination, please contact Human Resources Services at 780-8875 (24 hours).

Letter Grades:

A	Over 93%	B-	79-82.99	D+	67-68.99	UW	Below 59% and fail to take final exam
A-	89-92.99	C+	77-78.99	D	62-66.99		
B+	87-88.99	C	72-76.99	D-	59-61.99		
B	83-86.99	C-	69-71.99	F	Below 59%		

Exam Schedule

<u>Exam</u>	<u>Last Day to take it</u>	<u>Material Covered</u>
1	Thursday, Feb 9	Chapters 1 & 2
2	Thursday, Mar 2	Chapter 3 & 4
3	Tuesday, Mar 28	Chapters 5 & 6
4	Thursday, April 13	7.1 – 7.4, 8.1

Assigned Homework Exercises (Due the day I return your graded exams over the corresponding material):

1.2: 1a, c, f, g, i 2b,g 3, 4(verify 13, 14, 15, 18 only), 6a,d

1.3: 1a, b, c, 2b, 3a, b, c, 4, 6, 9

1.4: 1, 2b, 3, 5, 7, 12

1.5: 1, 3, 4, 5, 7, 9, 11, 12

1.6: 1, 2, 3, 5, 7, 9, 11

2.1: 1, 2, 3, 4, 5, 6a, b, d, 7a, b, c, d, 12, 13, 15a, b

2.2: 1a, b, c, e, 2, 3, 4, 6, 7, 8

2.3: 1, 2, 5, 7, 8, 9, 10, 14, 15

2.4: 1, 2, 3, 4, 5b, c, 6c, 7

2.5: 1, 4, 5, 6, 9b, 10, 12, 15

3.1: 1, 2, 3, 4, 7

3.2: 1, 2, 3, 5, 7, 8, 9, 11

3.3: 1, 3, 5, 6, 9

4.1: 1, 2, 3, 7

4.2: 1a, 4, 7, 9

4.3: 1, 2, 3, 4, 5, 11

4.4: 1, 3, 4, 5, 6

5.1: 1, 2, 4, 5, 7, 8, 9, 10, 11, 13, 15

5.2: 1, 2a, 3, 6a, 10, 11, 13

5.3: 1, 2, 6e, 7

5.4: 1, 2, 5a, b, 6a, c, d, e, f, 7a, b, c, 8a, b, 9a, 10b, 11, 16a

6.1: 1a, b, e, 2

6.2: 1, 2, 6, 7a, b, c, e, f, g, 12, 13

6.3: 1a, b, d, 2, 3, 4, 5, 6, 7

6.4: 1, 2, 3, 4, 5, 8, 9, 13, 16

6.5: 1, 2, 3, 4, 5, 6, 8, 10, 13, 17

6.6: 1, 2, 3, 4, 5, 7

7.1: 2, 3, 5, 7a

7.2: 1c, 2a, c, d, 3b, 4

7.3: 1, 3, 5, 6, 8, 10

7.4: 1a-k, 2a-k, 3, 8, 9

8.1: 1a, d, f, g, h, i, j, 3a, b, d, f

Tentative class schedule

Jan.	10	1.2 – 1.3	14	4.1	21	Review
	12	1.4	16	4.2	23	Exam 3
	15	Holiday	19	Holiday	26	Holiday
	17	1.5	21	4.3	28	7.1
	19	1.6	23	4.4	30	7.2
	22	2.1	26	Review	Apr. 2	7.3
	24	2.2	28	Exam 2	4	7.4
	26	2.3	Mar. 2	5.1	6	8.1
	29	2.4	5	5.2	9	Review
	31	2.5	7	5.3 – 5.4	11	Exam 4
Feb.	2	Review	9	6.1 – 6.2	13	Review
	5	Review	12	6.3	16	Review
	7	Exam 1	14	6.4	18	Review
	9	3.1 – 3.2	16	6.5		
	12	3.3	19	6.6		

Final Exam: Monday, April 23, 11am – 2pm