

MATH 4000-50
FOUNDATIONS OF ALGEBRA
FALL 2014

Instructor: COSTEL IONITA
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Time: Tu, Th at 5:15-6:30 pm
Place: SNOW 124
Office Hours: 10:00-10:50 MTWTh, 12:00-12:50 MTWTh
or by appointment
Text: Abstract Algebra, An Introduction
by Thomas W. Hungerford

1. OBJECTIVES: 1. Employ mathematical techniques in computational problems.
2. Students will interpret mathematical models.
3. Construct quantitative, logical arguments.
4. Students will apply mathematical knowledge to real world problems.
5. Communicate in the mathematical language through the use of proper notation and terminology.
6. Students will explore and analyze mathematical concepts, using technology as appropriate.

This course will partially fulfill requirements for Mathematics Endorsements Level 3 and 4 through the Utah State office of Education.

DMAIL: Important class and college information will be sent to your Dmail email account. This information includes your DSC bill, financial aid/scholarship notices, notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSC. All DSC students are automatically assigned a Dmail email account. If you don't know your user name and password, go to www.dixie.edu and select "Dmail," for complete instructions. You will be held responsible for information sent to your Dmail email, so please check it often.

DISABILITIES: If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your Professor(s) from the Disability Resource Center within the first two weeks of the beginning of classes. Students are to contact the Center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability. You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

IMPORTANT DATES Go to: <http://new.dixie.edu/reg/?page=fall12014>

ASSIGNMENTS: Homework assignments are due Tuesdays at the beginning of the class. **ABSOLUTELY NO LATE HOMEWORK WILL BE ACCEPTED!**

HELP: I am available for help during office hours, and other times by appointment.

GRADES: The homework is worth 30%, and the tests are worth 70%. Your semester grade will be based on the following scale: **A**(90-100%), **B+** (87-89.99%), **B**(83-86.99%), **B-**(80-82.99%), **C+**(75-79.99%), **C**(70-74.99%), **C-**(65-69.99%), **D+**(60-64.99%), **D**(55-59.99%), **D-**(50-54.99%), **F**(0-49.99%).

Tentative Schedule

TUESDAY	SECTION:ASSIGNMENT	THURSDAY	SECTION:ASSIGNMENT
08/26	1.1: 5, 7 1.2: 5, 8, 20	08/28	1.3: 8, 18, 31
09/02	2.1: 6, 11, 14 2.2: 1, 2, 3, 13	09/04	2.3: 1, 4, 5
09/09	Review	09/11	TEST 1 Chapters 1 and 2
09/16	3.1: 22, 25, 29	09/18	3.2: 1, 5, 22, 31
09/23	3.3: 21, 34, 35	09/25	4.1: 5, 10, 20
09/30	4.2: 5(b, g), 6(b, g), 10	10/02	4.3: 6, 10, 14
10/07	4.4: 2d, 3d, 4, 19	10/09	4.5: 1b, 4, 5
10/14	4.6: 1, 2, 3, 4	10/16	NO SCHOOL
10/21	Review	10/23	TEST 2 Chapters 3 and 4
10/28	6.1: 1, 2, 11, 44	10/30	6.2: 3, 9, 30
11/04	7.1: 17, 24, 29	11/06	7.2: 7, 16, 24, 34
11/11	NO SCHOOL	11/13	7.3: 11, 12, 29
11/18	7.4: 16, 20, 31	11/20	7.5: 1, 2, 3, 4, 5, 7
11/25	8.1: 19, 20, 33	11/27	NO SCHOOL Thanksgiving Break
12/02	8.2: 17, 21, 27	12/04	8.3: 1, 5, 25
12/09	8.4: 10, 25, 40	12/11	Review

FINAL EXAM, Chapters 6, 7, and 8 : TUESDAY, December 16 , 5:00-7:00 pm.