

**SYLLABUS---MATH 1010 SECTIONS 12,12V**  
**HLS INTERMEDIATE ALGEBRA**  
**CRN# 20370.24993**  
**SPRING SEMESTER, 2011**  
**M,Tu,W,Th 1:00 pm**

Instructor: Scott Mortensen

Credits: 4 Hours

Text: (Optional) Intermediate Algebra  
D. Franklin Wright  
Sixth Edition

Computer Software <http://www.hawkeslearning.com/Support/InstallationInstructions.aspx>  
Hawkes Course I.D. DixieStateIMA

Office: NIB 133B 652-7764

mortense@dixie.edu

Hours: 10 – 12 M-Th

The section that you have enrolled in will be taught as a lecture course but will include an extensive computer based component. This means all homework will be done, checked and submitted to the instructor on the computer through a program called Hawkes Learning Systems. You will also be given practice tests and review problems on the computer, although the chapter tests and final exam will be given in class. You will need access to a computer for daily assignments and it is highly recommended that you have access to internet. The assignments can be done on the computer without internet access but you will be required to access the internet for submission. The Smith Computer Center is available to those students who do not have alternate internet access. I suggest that you go to the following web site and watch the “Student Video Tour” before making any decision to purchase the software: <http://www.hawkeslearning.com/students.aspx> If you feel this new system is not what you want, you need to transfer into a non-computer based section. The Math Secretary, Department Chair, or any instructor will help you find another section.

**1. OBJECTIVES:** All classes in mathematics at Dixie College support the general education goal of the college. Each class will:

- Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and/or calculus techniques.
- Provide students with application problems that use a variety of methods including arithmetical, algebraic and geometric methods.
- Challenge students to make inferences from mathematical models that include formulas, graphs and tables.
- Provide students with real-life applications that use a variety of mathematical functions.

Math 1010 is designed to give students a basic understanding of Intermediate Algebra and prepare them for more advanced work in mathematics. Upon successful completion of this course, a student will demonstrate through testing the ability to:

1. Perform basic mathematical operations on rational numbers with and without a calculator, including fractions, percents, and decimals.
2. Use algebraic processes to solve algebraic equations in one, two, and three unknowns.
3. Demonstrate the concept of equivalence including the use of variables to define relationships.
4. Work with functions that serve as models of real-world problems including polynomial, quadratic, exponential, and logarithmic functions.

Students with medical, psychological, learning or other disabilities desiring reasonable academic adjustment, accommodations, or auxiliary aids to be successful in this class will need to contact the DISABILITY RESOURCE CENTER Coordinator ( Baako Wahabu) for eligibility determination. Proper documentation of impairment is required in order to receive services or accommodations. DRC is located at the ground floor of the Financial Aid Office. Visit or call 652-7516 to schedule appointment to discuss the process. DRC Coordinator determines eligibility for and authorizes the provision of services.

**2. CALCULATORS:** A scientific calculator is required, and a graphing calculator would be helpful. The TI-83/TI-84 Plus will be used in class and is highly recommended for Math 1010, Math 1050(Non-Calculus students) and Math 1090. The TI-89 is recommended for Math 1050, Math 1060, Math 1100, and Math 1210. Instruction will also be given on the TI-85, TI-86 and TI-92.

**3. EXAMINATIONS:** Each student is expected to take the examinations as scheduled in the syllabus. Make-up exams will be given at the discretion of the instructor, and only if **prior** arrangements have been made. A final comprehensive exam will be given at the end of the term. The lowest test score can be replaced with the percent earned on the final exam.

**4. ATTENDANCE:** Attendance is essential and roll will be taken, but will not be counted into your grade. Tardiness will be frowned upon and may invoke the ire of the instructor.

**5. ASSIGNMENTS:** Homework assignments are to be done on the computer each day and submitted to the instructor. Each assignment is due the day after they are assigned. Points will be deducted for each day past the due date. It is very important that you keep current on the assignments.

**6. HELP:** I am available for help during posted office hours, and other times by appointment. There are also tutors available in the Browning Resource Center and the NIB.

**7. SEMESTER SCHEDULE:** <http://new.dixie.edu/reg/?page=spring2011>

**8. GRADES:** Grades will be calculated as follows:

Assignments 20% Chapter Tests 60% Final Exam 20%

Grades will be emailed to the address that you used to enroll into this section. .

Grades will be assigned as follows:

<b>A</b>	100 – 94%	<b>B</b>	86 – 83%	<b>C</b>	74 – 70%	<b>D</b>	59 – 55%
<b>A-</b>	93 – 90%	<b>B-</b>	82 – 80%	<b>C-</b>	69 – 65%	<b>D-</b>	54 – 50%
<b>B+</b>	89 – 87%	<b>C+</b>	79 – 75%	<b>D+</b>	64 – 60%	<b>F</b>	49 – 0%

**9. ENROLL IN CLASS:** The following web page has the instructions needed to enroll in the Math 1010 section that you are registered for. **This must be done for you to be added to my online Grade Book.**

<http://www.hawkeslearning.com/Support/InstallationInstructions.aspx>. If you need help, please ask the instructor. You will need this information:

Hawkes CourseID: DixieStateIMA  
Instructor Name: Scott Mortensen  
Course Section: 1:00 Section 12

**20370 ASSIGNMENT SCHEDULE (HLS) (MATH 1010 SEC. 12)**

Jan	10	M	INTRO	11	M	8.1
			1.4 a	12	Tu	8.2
	11	Tu	1.4 b,c	13	W	8.3
	12	W	1.5 a,b	14	Th	8.4
	13	Th	1.6	18	M	8.5
	17	M	NO SCHOOL	19	Tu	8.6
	18	Tu	1.6 cont.	20	W	8.7
	19	W	1.7 a	21	Th	8.8
	20	Th	1.7 b	25	M	REVIEW
	24	M	REVIEW	26	<b>Tu</b>	<b>TEST CH 8</b>
	25	<b>Tu</b>	<b>TEST Ch. 1</b>	27	W	FINAL REVIEW
	26	W	2.1 a, b	28	Th	FINAL REVIEW
	27	Th	2.2			
	31	M	2.3 a,b	APR 29	12	FINAL EXAM
Feb	1	Tu	2.4			
	2	W	3.1 b,c			
	3	Th	3.2			
	7	M	NO CLASS			
	8	Tu	3.3			
	9	W	REVIEW			
	<b>10</b>	<b>Th</b>	<b>TEST CHS. 2-3</b>			
	14	M	4.1 a, b			
	15	Tu	4.1 c			
			4.2 a, b			
	16	W	4.3 a, b			
			4.4			
	17	Th	4.5 a, b			
	21	M	NO SCHOOL			
	22	Tu	4.6 a,b			
	23	W	4.7 a, b			
	24	Th	4.8 a			
	28	M	REVIEW			
Mar	1	<b>Tu</b>	<b>TEST CH . 4</b>			
	2	W	5.1 a, b			
	3	Th	5.2			
	7	M	5.3			
	8	Tu	5.4			
	9	W	5.5			
	10	Th	5.6			
	14-18	M-F	NO SCHOOL			
	21	M	REVIEW			
	<b>22</b>	<b>Tu</b>	<b>TEST CH 5</b>			
	23	W	6.1 a, b			
	24	Th	6.2			
	28	M	6.3 a, b			
	29	Tu	6.3 c			
			6.4			
	30	W	6.6			
			6.7			
	31	Th	7.1 a, b			
Apr	4	M	7.2			
			7.3			
	5	Tu	7.4			
	6	W	REVIEW			
	7	Th	TEST CHS 6-7			