Course Syllabus – Spring 2009

Course Number and Title: DEVS 0330-01m Intermediate Algebra (Modular)

Instructor Information

Name: Beth St Jean

Contact Information:

- Office: Academic Enrichment Center
- Phone: 793-4622 or ext. 4622
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Office Hours:

- Monday, Wednesday: 9:00 – noon
- Tuesday, Thursday: 2:30 – 5 p.m.
- Fridays: By appointment

Course Overview

Catalog Description: Module 2 in the Modular College Algebra series. Curriculum includes factoring, rational expressions, solving linear equations and linear inequalities, solving quadratic equations, the coordinate system, graphing and functions. Upon successful completion of DEVS 0330, the student will be ready to enroll in MATH 1311 or MATH 1315. Some laboratory time may be required.

Course Overview: This is a course for the development of mathematical skills necessary for success in DEVS 0330 Intermediate Algebra and higher. Individual problem solving, group work, board work, class discussion, and lectures will be used. This course is divided into three 5 week modules. Students must pass the first two modules to receive credit for DEVS 0330 Intermediate Algebra. Students who successfully complete all three modules will receive credit for MATH 1311 College Algebra.

Pre-requisites: DEVS 0320 Introductory Algebra or an appropriate placement score

Course Objectives/Student Learning Outcomes:

- Demonstrate an understanding of mathematical operations.
- Demonstrate an understanding of the algebra concepts necessary for success in MATH 1311 or higher.

Course Materials and Resources:

Required Course Materials:

- Textbook: College Algebra 5th ed., Stewart, Redlin, and Watson. ISBN: 978-0-495-56521
- WebAssign access: www.webassign.net
- Tablet PC
- Graphing calculator

AEC and Other Educational Support Resources:

- Free math tutoring is available in the AEC. When studying in the AEC, you need to sign in and out on the AEC log-in computer AND check in with the math tutor on duty.
- Individual assistance with the instructor is available by appointment
- Practice problems for the post-test are available at http://www.mcm.edu/academic/DEVS_practice_problems/index.htm

Course Policies:

Attendance: You are required to attend all classes **and** labs. You must inform me via phone, email or in person ***before*** class in order for the absence to be considered excused. Three tardies will be considered as an unexcused absence. If you have more than 5 unexcused absences (classes and labs together) or you miss three classes consecutively you may be dropped from the class!

Excused absences include:

1. Death in the family.
2. Documented illness (nurse or doctor's note).
3. A school event approved by the Vice President for Academic Affairs office.

All other absences are considered unexcused.

Grade Determination for each Module:

Exams (2)	40%
Mastery Exam	25%
WebAssign Homework	25%
Attendance	10%
	100%

+/- Grade System:

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72, etc…

In order to pass each module, students must have an average of 70 or higher AND earn a grade of 70 or higher on the mastery exam. Students who successfully complete module 1 will receive credit for DEVS 0320 Introductory Algebra, modules 1 and 2 will receive credit for DEVS 0330 Intermediate Algebra, and all three modules will receive credit for MATH 1311 College Algebra. Students must continually enroll in the required mathematics sequence until their math requirement for graduation is met. The course grade will be based on the average of the completed modules.

Make - Up Work: Make - Up exams will only be given for **excused** absences and it is your responsibility to schedule a time **within one week** of the exam date.

Lab: Students are **required** to attend a one hour lab on Friday if they are absent during the week, miss a quiz, have unfinished homework assignments, or have an average below an 80.

Calculators: A graphing calculator will be required for this course for use in Modules 2 and 3. A calculator will occasionally be used in Modular 1.

Cell Phones: Cell phones and other electronic devices must be turned off and out of sight during class. Violation of this policy may result in a pop quiz for the entire class.

Academic Dishonesty: Cheating and Plagiarism will not be tolerated. Failure to do your own work will result in a zero on the particular exam or assignment in question.

Special Needs: McMurry University abides by Section 504 of the Rehabilitation Act of 1973, which stipulates that no otherwise qualified student shall be denied the benefits of an education "solely by reason of a handicap". If you have a documented disability that may impact your performance in this class and for which you may be requesting accommodation, you must be registered with and provide documentation of your disability to the Disability Services Office, located in Old Main Room 102. Arrangements will be made for students needing special accommodations.

Major Projects, Required Activities, and Assignments:

- **Exams:** Two exams will be given during each five week module. Exams will be closed book and instructors will determine if calculators are to be used. Each exam will cover all the material up to that point. If you are absent when a test is given, your score will be a 0, **unless** you notify me *before* the test that you will be absent, and that absence is excused.
- **Mastery Exam** (Final Exam per Module) The mastery exam will be comprehensive. Students passing the course with a C- or better must score at least 70% on this exam to move into the next module.
- **Homework:** All homework will be assigned during class. All assignments will be done through the WebAssign website. You will be required to complete the homework before the start of the next class. You may take a quiz, so please make sure to come prepared to every class. Quizzes are generally given during the first 5-10 minutes of class. They may be given online or hard copy. Students who are absent or late to class will be required to attend the Friday lab session from 1-2 p.m..

Tentative Course Schedule:

DEVS 0320 – Introductory Algebra (Module 1)

Instructor Name: Beth St Jean
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Due Date		***Description***	***Due Date***		***Description***
JAN	12	Diagnostic Test, Syllabus		29	1.3
	13	Review P1 – P3		30	Lab – AEC
	14	P4	FEB	2	1.4
	15	P5		3	1.5
	16	Lab – AEC		4	1.5, review
	19	P6		5	Exam #2
	20	P7		6	Lab – AEC
	21	P7, P8		9	1.6
	22	P8, review		10	1.7
	23	Lab – AEC		11	Final Review
	26	Exam #1		12	Practice Exam
	27	1.1, 1.2		13	Mastery Exam
	28	1.2			

DEVS 0330 – Intermediate Algebra (Module 2)

Due Date		***Description***	***Due Date***		***Description***
FEB	16	2.1, 2.2	MAR	5	3.5
	17	2.2, 2.3		6	Lab – AEC
	18	2.4		9 – 13	**Spring Break**
	19	2.5		16	3.6
	20	Lab – AEC		17	3.7
	23	Focus on Modeling		18	3.7, review
	24	Focus on Modeling, review		19	Exam #2
	25	Exam #1		20	Lab – AEC
	26	3.1		23	4.1
	27	Lab – AEC		24	4.2
MAR	2	3.2		25	Final Review
	3	3.3		26	Practice Exam
	4	3.4		27	Mastery Exam

MATH 1311 – College Algebra (Module 3)

Due Date		***Description***	***Due Date***		***Description***
MAR	30	4.3	APR	17	Lab – AEC
	31	4.4		20	6.1
APR	1	4.5		21	6.2
	2	4.6		22	review
	3	Lab – AEC		23	Exam #2
	6	review		24	Lab – AEC
	7	Exam #1		27	6.3, 7.1
	8	5.1		28	6.5
	9	5.2		29	7.2
	10 – 13	**Easter Holiday**		30	Final Review
	14	5.3		1	Practice Exam
	15	5.4	MAY	4 – 8	Mastery Exam
	16	5.5			

**Remember that the class schedule is subject to change at any time. You will be notified during class of any changes.

Course Objectives/Student Learning Outcomes and their Linkage to Program and University Goals and Outcomes.

Course Number and Title

Desired Student Learning Outcomes for this course	Linked to which departmental program goal(s)	Linked to which institutional goal(s)?	Types of evidence that might be used to demonstrate student achievement of objectives & goals
Demonstrate an understanding of basic mathematical operations, and the elementary algebra concepts necessary for success in DEVS 0330 Intermediate Algebra.	DEVS: 2,3,4 Assessment Plan Outcome: 2	2,6,8	70 or higher on module 1 mastery exam 70 or higher class average for module 1 (homework, exams, quizzes)
Demonstrate an understanding of the algebra concepts necessary for success in MATH 1311 College Algebra or higher.	DEVS: 1,2,3,4 Assessment Plan Outcome: 1,2	2,6,8	70 or higher on module 2 mastery exam 70 or higher class average for module 2 (homework, exams, quizzes)
Demonstrate an understanding of the algebra concepts required for MATH 1311 College Algebra credit.			

Institutional Goals:

2. Students are equipped for successful careers and post-graduate education.
6. Students will grow as whole persons – spiritually, emotionally, morally, intellectually, socially, and physically – in a community where these qualities are nurtured.
8. The institution will engage in an ongoing pursuit of excellence in curricula, programs, and policies.

The Developmental Studies (DEVS) program is not a department. It is a program consisting of five content based courses and one study skills course.
Departmental goals:

1. insure proper placement of students into courses appropriate for their skill level;
2. provide pre-college level courses in the areas of mathematics, reading, and writing;
3. work closely with AEC staff in order to provide tutorial support for students enrolled in DEVS courses;
4. work closely with other departments to insure that DEVS curriculum provides students with the skills necessary to transition into college-level courses.

Intended outcomes for students in the DEVS program assessment plan:

1. Students will be placed in the courses appropriate for their skill level.
2. Students will acquire college level entry skills in mathematics.
3. Students will acquire college level entry skills in writing.
4. Students will acquire college level entry skills in reading.