### School of Mathematics and Natural Sciences Course Syllabus College Algebra, MATH 1043 (ACTS : MATH 1103)

INSTRUCTOR OFFICE HOURS

### OFFICE

**Course Description:** Functions, graphs, quadratic functions, polynomial functions, rational functions, exponential and logarithmic functions, systems of equations, applications of algebra, matrices and the binomial theorem.

**Course Prerequisite:** An ACT mathematics score of 19 or higher, a grade of C or better in MATH 0183, a raw score of 11 or higher on Asset Intermediate Algebra test.

**Required Text and Materials:** (1) College Algebra Notebook, Fourth edition, by Hassan Sayyar.

(2) Subscription Code (via physical card or <u>www.webassign.net</u>) to WebAssign

(3) Graphing Calculator (TI -83, TI-84 lines preferred)

Learning Outcomes: By the end of this course, you should be able to:

- 1. Determine if an equation, graph or set of ordered pairs represents a function.
- 2. Find the domain of a function.
- 3. Sketch the graph of a function.
- 4. Determine if a function is one-to-one and if so, find its inverse.
- 5. Understand and apply the properties of polynomial and rational functions.
- 6. Understand and apply the properties of exponential and logarithmic functions.
- 7. Solve exponential and logarithmic equations.

8. Solve a system of linear equations using the methods of substitution, elimination by addition, Gaussian elimination, and matrix equations.

9. Perform arithmetic operations with matrices.

10. Use the Binomial Theorem to find the coefficients of terms in a binomial expansion.

**Course Content and Outline:** The following dates are tentative and will be revised as necessary.

<u>Chapter</u>	<u>Topics</u>	Exam Dates
Chapter 1	Functions	Wednesday, Jan 29
Chapter 2	Polynomials and Rational Functions	Wednesday, Feb
		19
Chapter 3	Exponential and Logarithmic Functions with	Wednesday, Mar
	Applications	12
Chapter 4	Systems of Equations and Inequalities	Monday, Apr 14
Chapter 5	Matrices and Binomial Theorem	Monday, Apr 28

### **Homework/Quizzes:**

- 1. Homework is assigned and graded through Webassign (http://www.webassign.net).
- 2. When necessary, take-home quizzes will be given, will be collected on the indicated due dates, and will be graded.

Grading: There is a maximum of 700 points to earn:

Quizzes/Homework – 100 points	Tests – 500 points	Final Exam – 100
	points	

Final grades are assigned according to the following scale:

A: 90 – 100% B: 80-89% C: 70-79% D: 60 – 69% F: 0 – 59%

### WebAssign:

a. After you've purchased your access code for WebAssign (either a physical card with an access code printed on it or a virtual card from www.webassign.net), you must register for your College Algebra class on WebAssign using your access code and the following class key.

The class key for this course is: **uamont 6841 7967** 

- b. Go to <u>www.webassign.net</u>, click on "I have a key" and follow the directions given on the website.
- c. Once you are enrolled, you will need to log-in, again. Please make note that your institution is **uamont** on the log-in screen.
- d. Regularly log-in to webassign to see the assignments and do them before the due dates.

### **Policies:**

- If your grade on the final exam is less than 40%, then your grade for the course will be an F. If your grade on the final exam is between 40% and 50%, then your maximum possible grade for the course is a D. This policy supersedes your other grades in the course.
- 2. There <u>will not</u> be any make-up homework assignments or exams.

- 3. The final exam is required and is comprehensive. Failure to take the final will result in an F in the course.
- 4. The lowest two homework grades will be dropped. There will be no extensions granted for homework. It is your responsibility to have an updated computer with a reliable internet connection that is compatible with the software used on <u>www.webassign.net</u>.
- 5. If a test is missed, the final exam percentage will replace the first missed test score. If more than one test is missed, the student will receive a zero for the 2<sup>nd</sup> and subsequent missed tests. If no tests are missed, the final exam score, if higher, will replace the lowest test score.
- 6. If you will miss an exam due to a University extracurricular activity, **you must arrange to take the exam before the scheduled test date**. If you fail to do this, it will be treated as a regular missed exam.
- 7. Attendance will be recorded. A <u>last date of attendance</u> will be reported to the registrar's office for a student with 7 absences. This may result being dropped from this class.
- 8. The use of cell phones and/or other electrical devices for communication and/or entertainment are not allowed in class. Cell phones are not to be even visible during the class period. Turn your cell phone OFF and put it in your backpack, pocket, purse, or under your desk

### **Important Dates:**

# January 8 (Wed) - First day of classes for sessions 1 and 8W1 classes. Admission application deadline.

January 9 (Thurs) – First day of classes for session C1. January 10 (Fri) - Last day to register or add classes. January 13 (Mon) - First day of classes for sessions 6W1 and C2. January 20 (Mon) - Martin Luther King Holiday. Offices and classes closed. February 6 (Thurs) - Last day to drop a 6W1 session class. Grade will be W. February 12 (Wed) – Last day to drop a 8W1 session class. Grade will be W. February 19 (Wed) - Last day to drop a C1 session class. Grade will be W. February 21 (Fri) - Deadline to apply for August and December graduation. Last class day for session 6W1. February 28 (Fri) - Last day to drop a C2 session class. Grade will be W. First day of classes for session M1. March 3 (Mon) – Last day of classes for session 8W1. March 4 (Tues) – First day of class for session 8W2. March 5 (Wed) - Last day to drop a M1 session class. Grade will be W. March 7 (Fri) Last day of classes for session M1. March 13 (Thurs) - Last class day for session C1.

March 19 (Wed) - Last day to drop a Spring 2014 (session 1) class or withdraw from the term (not applicable to 8W1, 8W2, 6W1, C1, C2, or M1 session classes). Grade(s) will be W. March 24-28 (Mon-Fri) - Spring Break. April 3 (Thurs) - Last class day for session C2. April 7 (Mon) - Preregistration for Summer and Fall 2014 begins. April 14 (Mon) – Last day to drop a 8W2 session class. Grade will be W. April 18 (Fri) - Preregistration for Summer and Fall 2014 ends. April 29 (Tues) - Last day of classes (sessions 1 & 8W2). April 30 - May 6 (Wed-Tues) - Final exam period. May 9 (Fri) - Commencement.

### STUDENTS WITH DISABILITIES:

It is the policy of the University of Arkansas at Monticello to accommodate individuals with disabilities pursuant to federal law and the University=s commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services located in Harris Hall Room 120; phone 870 460-1026; TDD 870 460-1626; Fax 870 460-1926. McGehee: Office of Special Student Services representative on campus; phone 870 222-5360; fax 870 222-1105. Crossett: Office of Special Student Services representative on campus; phone 870 364-6414; fax 870 364-5707. UAM will no longer mail grade reports to all students. You may access your grades through *Weevil Net* on the UAM homepage, <a href="http://www.uamont.edu/">http://www.uamont.edu/</a>.

## STUDENT QUICK START GUIDE

This Quick Start Guide provides information to help you start using WebAssign.

### ENROLL

Either your instructor enrolled you in a class and created a WebAssign<sup>®</sup> account for you, or she gave you a class key to enroll yourself and create your own account, if needed.

I have a class key

WebAssign,

- 1. Go to www.webassign.net and click Have a class key?.
- 2. Enter the class key your instructor gave you and click Submit.
- 3. If the correct class and section is listed, click Yes, this is my class.
- Either provide your existing WebAssign account information or create a new account.
  - Select I already have a WebAssign account, enter your account information, and click Continue.
  - Select I need to create a WebAssign account, enter the requested information, and click Create My Account.

## LOG IN

These instructions apply for most schools. Some schools use alternative login sites.

- 1. Go to www.webassign.net.
- 2. Type your Username, Institution code, and Password.
- 3. Click Log In.
- 4. If you are enrolled in more than one class, select a class from the My Classes menu.

Note: The first time you log in, change your password.

If you can't log in

to WebAssign:

- Look up your username
- Change your forgotten password



WebAssign gives you free access for two weeks after the start of class. To continue using WebAssign after that, either enter an access code or purchase access online.

I have an access

code

- 1. Confirm your code is valid on the Access Card Prefix Check page.
- 2. Log in to WebAssign.
- 3. Select enter an access code.
- 4. Select your access code prefix.
- 5. Enter your access code and click Continue.

I do not have an access code

- 1. Log in to WebAssign.
- 2. Select purchase access online and click Continue.
- 3. Select items, confirm any license agreements, and click Enter payment information.
- In the PayPal page, provide your payment and contact information and click Continue.
- 5. Review your order and click Complete Purchase.
- 6. Close your receipt and start working in WebAssign.

4 LEARN

Your current assignments are listed on the Home page for each class.

- 1. Click the assignment name.
- 2. Answer the assignment questions.

WebAssign supports many different question types. Some questions display a tools palette or open in a new window.

- 3. Submit your answers.
- 4. Review your marks and feedback.

Usually you will see 🟑 or 🔀 for each answer.

- 5. Change your incorrect answers and submit again.
- 6. When you are done, always click Log out.

### SYSTEM REQUIREMENTS

WebAssign is tested and supported for the following Web browsers:

Mozilla<sup>®</sup> Firefox<sup>®</sup>, version 12 or later Windows<sup>®</sup>, Mac<sup>®</sup> OS X, Linux<sup>®</sup>

Internet Explorer<sup>®</sup>, version 8 or later Windows

Google<sup>®</sup> Chrome™, version 19 or later

Windows, Mac OS X

Apple<sup>®</sup> Safari<sup>®</sup>, version 5.1 or later Mac OS X, iOS 5 or later on iPad<sup>®</sup>, Windows<sup>1</sup>

### PAYPAL SUPPORT

For payment problems, contact PayPal at paypal.com or 1-402-935-2050.

### MORE INFORMATION

Search the online help for answers to most questions. BROWSER SETTINGS

Configure the following settings in your Web browser.

- Allow cookies and pop-up windows from www.webassign.net.
- If you are accessing WebAssign from Blackboard, accept third-party cookies.
- Do not allow your browser to store your WebAssign password.

### CUSTOMER SUPPORT

- Online help: click (2)
- Call: (800) 955-8275
- Submit a customer support request

The WebAssign Customer Support staff cannot:

- change your username or password
- give extensions
- change your score
- give you extra submissions
- help you with the content of assignments
- resolve problems with PayPal payments

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