MAT092 10:00 – 10:50 a.m. SYLLABUS

COURSE
MAT092 – Introductory Algebra – Section 17702 – Spring 2013

INSTRUCTOR
Brian Bird – MA 179 – (623) 845-3149 – brian.bird@gccaz.edu

TIME and LOCATION
Mondays and Wednesdays 10:00 – 10:50 a.m. January 14th – May 1st GCC Main HT2 159

Note: No class on January 21st due to MLK Day
No class on February 18th due to Presidents' Day
No class on March 11th and 13th due to Spring Break

COURSE DESCRIPTION
Linear behavior; linear equations and inequalities in one and two variables; graphs; systems of equations in two variables; function notation, graphs, and data tables; operations on polynomials; properties of exponents; applications. Prerequisites: Grade of "C" or better in MAT082, or MAT102, or equivalent, or satisfactory score on District Placement exam. May receive credit for only one of the following: MAT090, MAT091, MAT092, or MAT 093.

Note: Meeting the prerequisites does not guarantee your success in this class. You will need to bring arithmetic skills (including fractions and negative numbers) and a strong work ethic to the class in order to be successful.

REQUIRED MATERIAL
You will be required have access to MyMathLab (MML) via the Internet. You can purchase access through the Internet (see handout). You can also purchase it through the bookstore -- you can purchase just the access kit which includes an electronic copy of the book, or the access kit with the physical book and the student solution manual. The book is *Elementary and Intermediate Algebra Concepts and Applications by* Bittinger, Ellenbogen and Johnson, 5th edition. Please see the instructor if you have any questions.

RECOMMENDED CALCULATOR
A scientific calculator is strongly recommended. They can be purchased almost anywhere for under $20 and have keys such as $^1/_x$, x^2, and sin. If you plan to continue your math career, a TI-83 Plus graphing calculator (or equivalent) would be of great benefit. They cost approximately $90 and have a large screen. It would help you considerably in MAT12x and is generally required in MAT15x. Cell phones calculators are not allowed. Please see the instructor if you have any questions.

OBJECTIVES
Specifically, students will be able to:
1. review and master prerequisites from arithmetic
2. solve equations and inequalities in one variable
3. graph and manipulate linear equations in two variables
4. perform operations with polynomials
5. factor polynomials
7. understand function and identify domain and range
8. solve systems of linear equations in two variables
9. graph linear inequalities in two variables

Generally, students will:
1. review and master prerequisites of arithmetic (chapter 1)
2. become gods of solving linear equations, graphing linear equations, and factoring (chapters 2, 3 and 5)
3. be proficient at solving problems involving polynomials (chapters 4)
4. be introduced to linear systems and linear inequalities in two variables (chapters 8 and 9)
5. gain understanding of functions (chapter 7)
6. become accustomed to using calculators and recognizing their potential
7. achieve the math skills and confidence necessary to progress to MAT12x

ATTENDANCE POLICY
Attendance is important – especially in the beginning of the semester. If you are unable to make class, please e-mail me (in advance if possible). If you have excessive absences (based on my discretion), you will be withdrawn with a "Y".

Note: Coming in late or leaving early counts as an absence
Missing the Final is considered excessive

GRADING

HOMEWORK 20%
Chapter homework will be assigned via MML and is mandatory. You will need to achieve an 80% or higher on the homework to take the chapter quiz. You will have unlimited attempts at the homework and it is not timed. Homework must be submitted prior to the due date (typically Fridays). There will be **no** makeup homework.

QUIZZES 10%
After completing the chapter homework with an 80% or higher, you will take the chapter quiz via MML. You will have one attempt and it will be timed. The chapter quiz will automatically create a personalized study plan based on your performance. The chapter quiz must be submitted prior to the due date (typically Saturdays). There will be **no** makeup quizzes.

STUDY PLANS 0%
The chapter quiz will automatically create a personalized study plan for your chapter test which you should work on prior to taking the chapter test.

TESTS 50%
The chapter tests via MML will consist of problems similar to those encountered previously on the homework, quizzes, and study plans. The tests must be submitted prior to the due date (typically Sundays). Test 3 will be taken in the Testing Center (ICB2 Room 6) under strict proctoring. The Testing Center hours are available via http://www.gccaz.edu/calendar/testing/ . There will be **no** makeup tests.

FINAL 20%
The Final via MML will be cumulative and will consist of problems similar to those previously encountered on the homework, chapter quizzes, study plans and tests. The Final will be taken in the Testing Center (ICB2 Room 6) under strict proctoring. The Testing Center hours are available via http://www.gccaz.edu/calendar/testing/ . The Final must be submitted on or before Tuesday May 7th. There will be **no** makeup Final.

SEMESTER GRADE
The following scale can be used to determine your grade:

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

NOTE: Your semester grade can be no higher than one letter grade above your final exam grade. For example, if you have a 90% going into the Final and score a 50% on the Final, your semester average calculates to 82%. However, since your Final was an "F", you would earn a "D" in the class.

NOTES and DISCUSSION ITEMS
1. Course content may vary from this outline to meet the needs of this particular group
2. Syllabus may be changed at any time at the discretion of the instructor with verbal notice
3. Withdrawals are not automatic – see instructor. You will be withdrawn with a "Y" (withdrawn failing which is counted as an "F" toward your GPA) after the deadline (last day to withdraw without the instructor's signature) if you don't reach an agreement with the instructor
4. College Catalog and Student Handbook Policies
5. Food , Drink and Tobacco Policy
6. Grievance (i.e. complaining) Policy
7. Behavior Policy (respect, one person talking at a time, cell phones quiet and away, etc.). If you are disrupting the learning environment (based on my discretion), you may be asked to leave class and be reported to the appropriate Dean. Due to the time limited nature of this class, there can be no disruptions (talking, getting up, etc.) during the mini-lectures. During this time you should be in your seat, paying close attention, and taking good notes.
8. Classroom Atmosphere Policy (engage, ask questions, share ideas, etc.)
9. Cheating and Plagiarism Policy (1st offense assessment failure, 2nd offense course failure)
10. Special Needs – if you have any special needs, please see the instructor as soon as possible
11. Getting Help

NOTE: The instructor has the ability to monitor your computer activity electronically while in class. If you don't want me to post "I love math!" on your Facebook page or play your solitaire hand for you, stay on task and don't surf the web during class time!

OUTLINE

Monday	**Wednesday**
1/14 Syllabus Review Introductions	1/16 Start Chap 1
Happy MLK Day!	1/23
1/28	1/30
2/4 Start Chap 2	2/6
2/11	2/13
Happy Presidents' Day!	2/20
2/25 Start Chap 3	2/27
3/4	3/6
Spring Break	Spring Break
3/18	3/20
3/25 Start Chap 4	3/27 (My B-day!)
4/1	4/3
4/8 Start Chap 5	4/10
4/15	4/17
4/22 Start Chap 7/8/9	4/24
4/29	5/1
5/6 No class Continue Taking Practice Final	

Note: The last day to submit the Final is Tuesday May 7th

BRIAN BIRD'S SCHEDULE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:00					
7:30					
8:00					
8:30		**MAT212** *17829* *MA 120*		**MAT212** *17829* *MA 120*	
9:00	**MAT182** *17818* *MA 120*		**MAT182** *17818* *MA 120*		**MAT182** *17818* *MA 120*
9:30					
10:00	**MAT092** *17702* *HT2 159*	**MAT212 & MAT212H** *17830 & 17831* *MA 120*	**MAT092** *17702* *HT2 159*	**MAT212 & MAT212H** *17830 & 17831* *MA 120*	**Office Hours*** *The Math Solution*
10:30					
11:00	**MAT092** *17703* *HT2 159*		**MAT092** *17703* *HT2 159*		
		Office Hours* *MA 179*		**Office Hours*** *MA 179*	
11:30					
12:00	**Office Hours*** *MA 179*		**Office Hours*** *MA 179*		
12:30					
1:00					
		Office Hours* *MA 179*		**Office Hours*** *MA 179*	
1:30					
2:00					

* Additional Office Hours Available by Appointment

*** CAUTION ***

- This is not a traditional math class.
- You need to be very comfortable with technology.
- You will need frequent, fast, and reliable access to the Internet.
- You need to be an independent learner.
- You will need to devote many hours outside the classroom.
- You need to come to class with arithmetic skills (including fractions and negative numbers).

***** If any of these statements scare you, please consider withdrawing from this course and enrolling in a traditional Introductory Algebra course (MAT090 or MAT091) *****