

Wilberforce University**Division
Course Syllabus**

Course:	MAT 100-Pilot
Term:	Spring 2012
Instructor:	Name: Tyson Harbin Email Address: tharbin@wilberforce.edu Phone Number: 1-937-708-5660
Catalog Description:	100*.Basic Mathematics Fall/Spring – 3 hrs Prime numbers, fractions, decimals, percents, units, Signed numbers, linear equations in one unknown and Elementary algebraic manipulation. Required of all freshmen who do not satisfactorily pass the Freshman Mathematics Placement Test .A grade of C or above is required to pass. Course cannot be dropped and must be repeated until the course is completed satisfactorily. *Although assigned credit hours, MAT 100 is a developmental course. If the student does not test out of MAT 100, the course is required to be completed satisfactorily. However, the credit hours do not count towards the required total hours needed for the Major.
Prerequisites	<i>Accuplacer Test Placement</i>

<p>Course Level Learning Outcomes:</p>	<p><u>Student Learning Outcomes:</u> A student who successfully passes this course will be able to demonstrate an understanding of the following: (Please note that this list does not state all topics that will be covered in this course, but emphasizes those topics of greatest importance in this course that must be covered.)</p> <ul style="list-style-type: none"> • Demonstrate the ability to perform operations on signed and rational numbers • Use and interpret the absolute values and inequality symbols • Evaluate exponential expressions with integers exponents and use the order of operations agreement • translate verbal evaluate and simplify variable expressions • expressions into variable expressions • solve linear equations in one or more variables • solve basic percent problems • Graph (plot) ordered pairs of numbers • Determine the coordinates of a point in the plane • Read and interpret ordered pairs on a line graph • Read and interpret ordered pairs on a bar graph • Find the quadrant in which a point lies • Find the slope of a line given two points • Find the slope of a line given the equation of the line. • Determine whether two lines are parallel, perpendicular, or neither • Solve applications involving slope • translate verbal application problems into algebraic equations and solve them • add subtract, multiply and divide polynomials • perform basic factorization of polynomials
<p>Materials:</p>	<p>Required Text: Tussy, Alan. <u>Developmental Mathematics for College Students.</u> <u>Thomson Brooks/Cole. 2nd Edition</u></p> <p>Suggested Readings: Bello, Ignacio (2010). <u>First Year Enrichment: Basic Mathematics and</u> <u>Introduction to Algebra.</u> McGraw-Hill Companies, Inc, New York, New York</p>

Grading:

Grading Scale

90 - 100% = A (800-720pts)

89 - 90% = B (719-640pts)

79 - 80% = C (639-560pts)

69 - 70% = D (480-559pts)

Below 60% = F (479-below)

Course Assignments:

Exams: 100 points each

Math Lab: 100 points

Class work/participation: 100 points

Homework: 200 points

**Perfect attendance: 50 bonus points*

	<p>A student's proficiency in course work is measured in terms of the following Alphabetical symbols. Minuses and pluses are not accepted.</p> <p>A: Excellent</p> <p>B: Good</p> <p>C: Satisfactory (Grade C or better required in major courses).</p> <p>D: Poor (passing, except in major courses).</p> <p>F: Earned Failure. (Removed only by repeating the course). Upon successfully passing the course, the first grade is "excluded" from grade point average. The second grade is "included in the recalculation of the grade point average.</p> <p>I: Incomplete (student performing satisfactorily, but unable to complete coursework due to valid reason).</p> <p>N: Used in cases where grades are not yet submitted.</p> <p>W: Withdrew before course drop deadline.</p> <p>WP: Student withdraws from University. Withdrew passing after course drop deadline (2 weeks after mid-term).</p> <p>WF: Student withdraws from University. Withdrew failing after course drop deadline (2 weeks after mid-term. WF is treated as an F (punitive grade).</p> <p>CR: Credit/pass</p> <p>NC: No credit/fail</p> <p>Z: Failed course for non-attendance/unofficial withdrawal (treated the same as an F grade). Last date of attendance is reported by faculty.</p>
--	---

<p>Activities:</p>	<p>In addition to in class assignments, and home work, students will work in teams on solving problems using order of operation, basic algebraic and geometric equations, and solving a Quadratic Expression.</p>
<p>Policy Statements:</p>	<p>Students that are absent more then three unexcused days during the semester will result in the course grade being reduced by one letter grade.</p>
<p>University Policies:</p>	<p><u>Academic Honesty:</u> Plagiarism and cheating are completely unacceptable in an institution of higher education and learning. Such behavior deprives the student involved of the desired education and development of an appropriate value system. It is extremely unfair to other students, and it severely diminishes the value and integrity of a University degree.</p> <p>Plagiarism occurs whenever another's work is submitted as one's own. This includes the use of information from an Internet site or from a published author's ideas and words without proper attribution or documentation. It also includes the coping of term papers, other unpublished works, homework, case reports, computer programs and spreadsheets, and any other course assignments which are submitted for course credit as the student's own effort.</p> <p>Each instructor shall state the specific penalties for plagiarism and cheating in the course syllabus. The instructor has final responsibility for assessing the penalty in such cases regarding the course grade.</p> <p>All cases of plagiarism and cheating will be referred to the Vice President for Academic Affairs for possible further action. Additional penalties may be imposed for the egregious cases of plagiarism and cheating.</p>

Drops and Withdrawals

Dropping Courses:

A course may be dropped up through the end of the second week of the semester without any record on the transcript. After this date, a course may be dropped up to two weeks after mid-term grade reports are due, with a W appearing on the transcript. Withdrawals after mid-terms must be approved by the Vice-president of academic Affairs.

In certain General Studies core courses, students' assignments to course sections may be changed by faculty with written notification given to the Registrar. In all other cases, a student wishing to move from one section of a course to another must accomplish this by using a drop-add form to drop the old section and add the new section.

Withdrawal/Grading Policies

The following procedures will apply to all students withdrawing from the University. Grades will be given in regard to the time of withdrawal. Contact the Registrar's Office for forms and assistance.

- **W** (official withdrawal initiated by the student): To be given when a student withdraws between the first day of class/registration and the last day to drop courses, this is two weeks after mid-term exams.
- **AW** (unofficial withdrawal not initiated by the student): The student does not inform anyone that he/she is leaving campus (the student walks out). The university may also administratively withdraw a student for disciplinary reasons, academic legal anytime during the semester.

Special Accommodations:

A student who is ill or who has or develops medical conditions including but not limited to illness, physical or other disability or pregnancy must notify the Director of Health Services immediately.

Course Management:

1. There will be a pre-assessment test to evaluate your understanding of Basic Math Skills prior to taking this course. This assessment exam will be given within the first week of classes.
2. A post-assessment exam will be given to evaluate your grasp of the student learning outcomes during the last week of classes. The final exam will be comprehensive.
3. The use of cell phones within the lectures is prohibited. Please turn off your cell phone or turn it to privacy mode you are not permitted to answer your phone or leave the lecture to answer your phone. Cell phones must be turned off and stowed during any examination.
4. Cheating is totally unethical and will not be tolerated in this class. For the first offense you will receive an F for that assignment or exam. Any subsequent violation will lead to an F for the course.
5. Plagiarism is the act of taking another's work (ideas or words) and passing it off as your own without due credit to the actual author. Like cheating, it is a dishonest act and will not be tolerated in this course. You will receive an F for that assignment. Any subsequent violation will lead to an F for the course.
6. Absolutely no talking during the instructional period, talking is only permitted when students are working on group assignments
7. All Classes meet for the entire 50 minutes

Course Policies :	More than 3 unexcused absences will result in an overall grade lowered by one letter grade
Weekly Schedules:	<p>Weekly Schedules:</p> <p>Schedule of Topics:</p> <p>Day 1 Pre-test</p> <p>Week 1 Real Numbers and their Properties</p> <p>Week 2 Evaluating Algebraic Expressions</p> <p>Week 3 Adding and Subtracting real numbers</p> <p>Week 4 Multiplying and dividing real numbers Exam #1</p> <p>Week 5 Order of Operations</p> <p>Week 6 Exponents and order of operations</p> <p>Week 7 Simplifying Expressions</p> <p>Exam #2</p> <p>Week 8 Equations, Problem Solving, Inequalities</p> <p>Week 9 Graphing Linear Equations, Inequalities, and Applications</p> <p>Week 10 Exponents and Polynomials</p> <p>Exam #3</p> <p>Week 12 Addition and Subtraction of Polynomials</p> <p>Week 13 Multiplication of Polynomials</p> <p>Week 14 Exponents and Scientific notation</p> <p>Week 15 Division and factoring of Polynomial expressions Exam #4</p> <p>Review for Final Exam: Post-Test</p>

Advising & Tutorial Support:	<p>The P.A.S.S (Preparing Successful students) Math lab is an invaluable tool that will assist students in the mastering of basic mathematical skills and operations. The lab hours will be posted on the board in the classroom, the lab, and in the handouts of each student.</p> <p>All students will be given an Access card for interactive online Math tutoring. Students are encouraged to attend the weekly math tutorial services; however attendance is mandatory for any student receiving less than a C average on all tests and quizzes.</p>
---	---