

Wilberforce University

**Division: Professional Studies
Course Syllabus**

Course:	MAT 115
Term:	Spring 2012
Instructor:	Name: Mr. Mohamed Abas Email Address: mabas@wilberforce.edu Phone Number: 708-5722
Catalog Description:	The course should give the student a firm foundation for the study of calculus. The topics of study are trigonometry, analytic geometry and the algebra of vector, including algebra of functions, inverse of a function, conic sections, right triangle and analytic trigonometry, vectors and applications, translation and rotation of axes.
Prerequisites	MAT 113
Course Level Learning Outcomes:	The student will be able to: <ul style="list-style-type: none">• Find the domain, range, real and complex zeros, vertical, asymptotes, and the location of minimums and maximums.• Analyze elementary, polynomial and rational functions algebraically, and graphically• Use translation to move functions in the coordinate plane• Graph, identify the domain, range, and asymptotes of exponential and logarithmic functions• Apply the definition and properties of common and natural logarithms and the number e• Solve exponential and logarithmic equations
Materials:	College Algebra and Trigonometry, 7th Ed., by Auffman, Baker and Nation

<p>Grading:</p>	<p>There will be five tests and a final examination. Dates of these tests will be announced one week in advance and must be taken as scheduled. No make up tests will be given.</p> <p>The class grade will be determined according to the following weighting scale.</p> <table data-bbox="878 520 1333 703"> <tr> <td>5 Test</td> <td>500</td> </tr> <tr> <td>Final Exam</td> <td>200</td> </tr> <tr> <td>Homework/Assignments</td> <td>100</td> </tr> <tr> <td></td> <td>800</td> </tr> </table> <p>Grading Scale</p> <p>90 - 100% = A 89 - 90% = B 79 - 80% = C 69 - 70% = D Below 60% = F</p> <p>Show how students will earn each grade based on projects, labs, attendance, class participation and exams.</p>	5 Test	500	Final Exam	200	Homework/Assignments	100		800
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	<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>
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	<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>
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Activities:	Provide the students with a summary of the work required to complete course.
Policy Statements:	
University Policies:	<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</p>

of information from an Internet site or from a published author's ideas and words without proper attribution or documentation. It also includes the copying 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.

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.

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.

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.

<p><u>Classroom Conduct:</u></p> <ul style="list-style-type: none"> • Cell phones must be turned off or to vibrate mode during class time. Do not talk on the phone; engage in texting, game playing or listening to music during class. <p><u>Contact Hours:</u> All classes meet for the full time as stated in the syllabus.</p>	
<p>Course Policies :</p>	<ol style="list-style-type: none"> 1. ADA (American with Disabilities Act) Policy: “Students are responsible for informing the instructor of any instructional accommodation and/or special needs at the beginning of the semester. 2. Attendance policy – there are no excused or unexcused absences. You can miss up to three classes for any reason, but you are still responsible for the lecture notes. 3. Homework will be assigned on a daily basis. Each problem set should be neatly completed with careful use of mathematical symbols and concepts. All work must be shown! No credit will be given for correct answers without sufficient work shown to justify answers. 4. In the unfortunate event that a student in MAT 115 is caught in the act of plagiarism or cheating, a grade of zero (0) will be recorded on the particular quiz, exam, or assignment and referred to the Executive Vice President of Academic Affairs for possible further action. 5. There will be a pre-assessment test given during the first week of classes and as similar post-assessment test at the end of the semester. 6. Students are expected to hand in the assigned work when due and these should show appropriate steps along with the answers. 7. Honesty and non-cheating is

	<p>expected. Violation of this expectation can lead to an “F” for the test or the course.</p> <p>8. If you should encounter persistent difficulties with the material we cover, then you should let the instructor know early on to try to remedy the situation. Tutorials will be made available, but you must be proactive about your learning.</p>
<p>Weekly Schedules:</p>	<p>Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: Week 7: Week 8: Week 9: Week 10: Week 11: Week 12: Week 13: Week 14: Week 15:</p>
<p>Advising & Tutorial Support:</p>	<p><u>SUGGESTIONS ON HOW TO STUDY FOR MATH</u></p> <ol style="list-style-type: none"> 1. Spend some time on this course between every two consecutive class meetings. The time spent should follow a regular schedule as to time and place. Expect to put in at least two hours of study for each 50 minutes of class time. 2. Try to work the problems unassisted. If your early attempts at solving a problem are unsuccessful, you should seek help from your instructor. Look at the answer in text only after you have exhausted all of your resources in solving a problem, 3. The value of class time will be greatly enhanced if you look over the portion of the text to be discussed before attending class. When homework problems are to be discussed, it is also important to have attempted the assigned problems before the discussion in

	<p>class. Even if the attempts are unsuccessful, you will find the discussion in class far more valuable as a result of your earlier attempts at solutions.</p>
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