

TO CONTACT THE DIVISION OFFICE:

School of Science and Mathematics
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Office: SEC 8251
Classroom: SEC 8127

Course Description

Included within this course are relations and functions, graphing using transformations, algebra of functions, conic sections, polynomial and rational functions, systems of equations, matrices, exponential and logarithmic functions, binomial theorem, sequences and series, and applications.

Course Materials

You will need access to MyMathLab. Access codes can be purchased from the bookstore, or online.

Calculator Policy

A graphing calculator is required for this course. The calculator cannot have CAS capabilities. I recommend a TI-84. The Math Lab has graphing calculators for check out.

Occasionally, changes to the syllabus or calendar may be necessary. Students will be notified of any changes through Blackboard.

Course Evaluation

The grading system will be based on the total number of points accumulated on the quizzes, tests, the final exam, and the overall assignment percentage. This is a total of 600 points.

540–600	A	90 - 100%
480–539	B	80 - 89%
420–479	C	70 - 79%
360–419	D	60 - 69%
0–359	F	Below 60%

Attendance Policy

Your grade will be capped by the percent of class you attend. For example if you only attend 75% of the class meetings your grade can be no higher than 75% of the total points. Two tardies will count as one absence.

Math Lab MC 8150

The Math Lab offers excellent tutorial assistance on a one to one basis. In addition, the lab has computers for computer assisted instruction and drill, as well as access to the video instruction that correspond to your book. All of the tutors in the math lab can help with your course work. No appointment is necessary.

Math Lab Hours: Monday – Thursday 8AM–9PM, Friday 8AM–4PM,
Saturday 9AM–12PM

Your work on MML will make up 100 points of your grade. No late work will be allowed.

There will be 3 tests and one final. Each test will count for 100 points. Late/make-up test will not be allowed for any reason. You must take all exams. Look at the course calendar. Test dates are set and will not be moved. If you have a known conflict with a test date, let me know ASAP.

Quiz Grade- Before each test there will be a quiz on MLP. These quizzes are generally like the tests. This is the best way to study for your tests. Your average quiz grade will be 100 of the total points for the class.

Course Student Learning Objectives:

1. Find the domain of relations and functions; both graphically and algebraically.
2. Perform operations of functions, including compositions.
3. Analyze polynomial equations and inequalities; both graphically and algebraically.
4. Perform matrix operations.
5. Apply the properties of logarithms to solve exponential and logarithmic equations.
6. Solve problems involving sequences and series.
7. Analyze functions and relations including polynomial, piecewise, and conic sections; both graphically and algebraically.
8. Analyze real-world situations using appropriate mathematical strategies.

All College Algebra Classes will have a common final. This exam will be comprehensive and computerized utilizing MyMathLab. Students may not use their own books, notes, or scratch paper during this exam. To assist students in preparing for this exam, the following policies have been established.

1. The common final will be the only exam for this class given during finals week.
2. Each student should receive instructions for accessing a sample final.
3. Students may use a calculator. Calculators may not be shared and no other devices may be used.
4. Scratch paper and a list of standard formulas will be supplied with the College Algebra Exam.
5. To earn a grade of A, B, or C in this course, the department requires that you must also score at least 50% on the common final exam. Any exceptions to this must be appealed by your instructor to the Associate Dean.

Prerequisite Course:

Successful completion of Intermediate Algebra or appropriate placement test score.

Next Course in Sequence:

Upon successful completion of the course Plane Trigonometry or Statistics are the next courses in the mathematics sequence.

STUDENTS WITH DISABILITIES:

It is the policy and practice of Tulsa Community College to create inclusive learning environments. Accommodations for qualifying students in compliance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act are available. To request accommodations, contact the Education Access Center (EAC) at eac@tulsacc.edu or call (918) 595-7115 (Voice). Deaf and hard of hearing students may text (918) 809-1864.

GENERAL EDUCATION GOALS:

General Education courses at TCC ensure that our graduates gain skills, knowledge, and abilities that comprise a common foundation for their higher education and a backdrop for their work and personal lives. TCC's General Education goals are: Critical Thinking, Effective Communication, Engaged Learning, and Technological Proficiency.

CLASSROOM ETIQUETTE:

Students will be treated with respect and it is expected they will behave as such. Disruptive or rude behavior will be considered cause for removal. **Please turn off all cell phones while in class. BE ON TIME!! Do not eat in class. (I'm hungry, too.)**

INSTITUTIONAL STATEMENT:

Each student is responsible for being aware of the information contained in the TCC Catalog, the TCC Student Policies & Resources Handbook, and semester information listed in the class schedule. All information may be viewed on the TCC website: www.tulsacc.edu

Communications:

Email: All TCC students receive a designated TCC email address (ex: jane.doe@tulsacc.edu). All communications to you about TCC and course assignments will be sent to your TCC email address; and you must use TCC email to send email to, and receive email from, the instructor regarding this course.

Inclement Weather: If extreme weather conditions or emergency situations arise, TCC gives cancellation notices to radio and television stations. This information is also posted on the TCC website (www.tulsacc.edu) and sent via TCC Emergency Alerts. Register to receive TCC Alerts from the MyTCC home page (www.mytcc.tulsacc.edu).

COURSE WITHDRAWAL:

The deadline to withdraw from a course shall not exceed 3/4 the duration of any class. Contact the Counseling Office at any TCC campus to initiate withdrawal from a course ('W' grade) or to change from Credit to Audit. Check the TCC Academic Calendar for deadlines. Students who stop participating in the course and fail to withdraw may receive a course grade of "F," which may have financial aid consequences for the student.

ACADEMIC DISHONESTY:

Academic dishonesty (cheating) is defined as the deception of others about one's own work or about the work of another. Academic dishonesty or misconduct is not condoned or tolerated at campuses within the Tulsa Community College system. Tulsa Community College adopts a policy delegating certain forms of authority for disciplinary action to the faculty. Such disciplinary actions delegated to the faculty include, but are not limited to, the dismissal of disrespectful or disorderly students from classes. In the case of academic dishonesty a faculty member may:

- Require the student to redo an assignment or test, or require the student to complete a substitute assignment or test;
- Record a "zero" for the assignment or test in question;
- Recommend to the student that the student withdraw from the class, or administratively withdraw the student from the class;
- Record a grade of "F" for the student at the end of the semester. Faculty may request that disciplinary action be taken against a student at the administrative level by submitting such a request to the Dean of Student Services.

TOBACCO FREE COLLEGE

Tulsa Community College is a Tobacco Free college in accordance with the Governor's Executive Order 2012-01 and Title 63 of the Oklahoma Statutes, Section 1-1523 which prohibits smoking or the use of any tobacco products in all public places, in any indoor workplace, and all vehicles owned by the State of Oklahoma and all of its agencies and instrumentalities. This Order includes property leased, rented, or owned by TCC including, but not limited to, all grounds, buildings, facilities, and parking lots. Tulsa Community College's policy includes a tobacco free environment on all campus and off-campus locations conducting TCC credit or non-credit classes. The TCC Campus Police is responsible for ensuring compliance with the Tobacco-Free Environment Policy. Violations of the policy may be addressed through issuance of campus or state citations.