Piedmont Technical College Course Syllabus

COURSE INFORMATION

Course Prefix/Number: MAT 123

Title: Contemporary College Mathematics

Responsible Division: Arts and Sciences

Last Day to Withdraw from this Course: For the last date to withdraw from this course, consult the current *Student Calendar*.

Course Description:

For course, credit hour, pre-requisite(s) and co-requisite(s) information, visit the Detailed Course Information page: www.ptc.edu/courses/MAT123.

Textbook and Other Materials:

For textbook information and additional required and/or supplemental materials, visit the college bookstore (www.ptc.edu/bookstore).

Proctored Examinations:

Proctored examinations for distance learning courses taken at non-PTC campuses may require a proctoring fee for each exam taken.

COURSE POLICIES

Course policies are available online through the *Academic Catalog* and *Student Handbook*. Visit the Course Policies page (www.ptc.edu/syllabus/policies) for a detailed list of important policies and more information.

GRADE POLICY

Detailed grading policy information can be found on the Grading Policy webpage (http://www.ptc.edu/grading-policy). Final grade appeal information is available in the *Academic Catalog* (http://www.ptc.edu/catalog/).

ACCOMMODATIONS

Accommodations for ADA:

Information is available in the *Academic Catalog*
(http://www.ptc.edu/catalog/).

RATIONALE

Why do I need this course?

MAT 123 is an appreciation course designed for liberal arts majors. Students
will receive a broad knowledge base for success in coursework in education,
the humanities, and the social sciences. Students who complete this course
will have demonstrated problem-solving skills using mathematical processes
and will be able to communicate using mathematical concepts and symbols.

PROGRAM INFORMATION

For program information including required courses, program learning
outcomes, gainful employment information and advisement information,
refer to the Academic Program webpage. Go to Academics
(http://www.ptc.edu/academics), select your program, and then select
Credentials Offered.

COURSE STUDENT LEARNING OUTCOMES

Upon successful completion of this course and/or clinical, each student will
be able to:

- Explain voting theory and describe voting methods.
- Analyze finances, calculate compound interest, analyze savings plans
  and investments, and calculate installment loan payments.
- Calculate population growth using linear, exponential, and logarithmic
  functions.
- Recognize concepts, apply techniques, and solve problems in
  Statistics.
- Solve real-world problems related to apportionment, graph theory,
  and non – Euclidean and fractal geometry
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Revision Date: 12/15/2021

GENERAL EDUCATION COMPETENCIES

Piedmont Technical College General Education Competencies for All Graduates:

This course may address one or more of the following General Education Competencies (assessment will be stated when applicable):

Communicate effectively.

Assessment:

- N/A

Apply mathematical skills appropriate to an occupation.

Assessment

- Tests and graded homework questions.

Employ effective processes for resolving problems and making decisions.

Assessment:

- N/A

Demonstrate the basic computer skills necessary to function in a technological world.

Assessment:

- N/A

To validate proficiency in the general education competencies, students in some programs will be tested using Work Keys.

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