

**Syllabus (Fall 2019)**  
**MAT 146 – Math for Liberal Arts**  
**TR, 12:30 pm - 1:45 pm, D221**

### Course Information

- **Instructor Information**

Name: Kathryn Dowden

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Office Hours: By appointment

Office: Adjunct Offices - TBD

- **Welcome to MAT 146**

This course allows students to explore topics in mathematics that would not otherwise be covered in a typical algebra-style course. We will discuss topics from the following list: growth models, financial matters, the mathematics of symmetry, the beauty of the Fibonacci numbers and the Golden ratio, data sorting and percentiles, and probability (more topics may be added if time permits).

- **Required Materials**

1. Text: *Excursions in Modern Mathematics*, 9<sup>th</sup> ed. by Peter Tannenbaum.

**ISBN:** 9780134468372

Calculator will be needed.

No TI-Inspire or equivalent calculators with computer algebra systems will be permitted. Cell phones are not permitted as calculator use.

- **Course Objectives**

This course is designed to help students:

1. Learn to apply concepts of mathematics.
2. Develop thinking that is both abstract and logical, as well as critical.
3. Develop skills to help them learn independently as well as collectively with peers, rather than passive learning.

### Grading

- **Methods of Evaluation**

Grades will be comprised of the following categories and their weights.

Homework/Quizzes/In-class assignments	15%
Test 1	20%
Test 2	20%
Test 3	20%
Final Exam	25%

- **Grading Policies**

- ♦ **Late Work:** will not be accepted
- ♦ **Missed Work Make-Up Policy:** No make-ups on tests without prior arrangement with the instructor. No make-ups for quizzes (both in-class and take-home) or in-class assignments.
- ♦ **Extra Credit:** No extra credit assignments

- **Letter Grade Equivalents**

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	Below 60

## **Classroom Policies**

- **Etiquette:** Be respectful/mindful of those around you that are also trying to learn. Unnecessary disruptions will not be tolerated. Keep cell phones on silent and out of sight during class times.
- **Communication:** All communication will occur by email. Please make sure that you check your TRCC email or set it up to forward to another account. Check your email regularly to be informed of any changes in schedule.
- **Class Cancellation:**  
**If school is cancelled**, notification of cancellation due to inclement weather will be available by telephone by 6:00 am for daytime classes and by 2:30 pm for evening classes by calling the College's main telephone at (860) 215-9000, pressing 1, and listening to the taped announcement. The College's website will also have announcements available by accessing the [www.threerivers.edu](http://www.threerivers.edu) home page. The myCommnet Alert Notification System will also be used to deliver important information regarding weather-related class cancellations, via both email messages and text messages, to registered individuals. To register, log on to your myCommnet account at <http://my.commmnet.edu/> and follow the link to myCommnet Alert.

**If class is cancelled by the instructor**, a notice will be placed on the classroom door. If time permits, students may be notified by a message via email.

- **Withdrawal Policy:** You may withdraw from this class any time up to and including November 5 and you will receive a W grade on your transcript. However, you must complete a withdrawal form in the Registrar's Office at the time of withdrawal; *if you merely stop attending classes you will be assigned a grade of F*. Any eligibility for refund of tuition is based on the date that the registrar receives the withdrawal.
- **Academic Integrity:** The effective operation of any organization is dependent on the honesty and goodwill of its members. In an organization devoted to the pursuit of knowledge, acting with integrity is essential to effective teaching and learning. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the College. To emphasize the importance of academic integrity, Three Rivers Community College adheres to the Student Code of Conduct and Discipline Policy, as provided by the Connecticut State Colleges and Universities (CSCU) - Board of Regents for Higher Education. (Please refer to BlackBoard for the complete statement.)

**Some** of the behaviors that will be considered cheating are:

- Communicating with another student during a quiz or exam
- Copying material from another student during a quiz or exam or from any assignment being graded
- Allowing another student to copy from your quiz, exam, or any assignment being graded
- Use of unauthorized assistance on any assignment being graded
- Use of unauthorized notes or books during a quiz or exam
- Providing or receiving a copy of a quiz or exam used in the course
- Use of a cell phone or pager to transmit information during a quiz or exam

## Topics

Chapters to be covered
Ch. 9 Population Growth Models
Ch. 10 Financial Mathematics
Ch. 11 The Mathematics of Symmetry
Ch. 13 Fibonacci Numbers and the Golden Ratio
Ch. 15 Graphs, Charts, and Numbers
Ch. 16 Probabilities, Odds, and Expectations
Other chapters may be added if time permits

## School Policies

Please refer to BlackBoard or the TRCC website for a link to the entire policy.

- **Digication:** All students are required to maintain an electronic portfolio using the College template within Digication. Digication can be accessed at <https://threerivers.digication.com>.
- **Disability:** Three Rivers Community College (TRCC) is committed to the goal of achieving equal educational opportunity and full participation for individuals with disabilities. To this end, TRCC seeks to ensure that no qualified person is excluded from participation in, is denied the benefit of, or otherwise is subjected to discrimination in any of its programs, services, or activities.
- **Non-discrimination:** Three Rivers Community College does not discriminate on the basis of race, color, religious creed, age, sex, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, sexual orientation, gender identity and expression, or genetic information in its programs and activities.
- **Sexual Misconduct:** The Board of Regents for Higher Education (BOR) in conjunction with the Connecticut State Colleges and Universities (CSCU) is committed to ensuring that each member of every BOR governed college and university community has the opportunity to participate fully in the process of education free from acts of sexual misconduct, intimate partner violence and stalking.