

**Syllabus**  
**Math 146 – Math for Liberal Arts**  
**Spring 2013**

**Course Number 10392 Section T2**  
**M&W 2:00 – 3:15 , Room E202**

**Instructor: Henry Kopij**  
**email: [hkopij@trcc.comnet.edu](mailto:hkopij@trcc.comnet.edu)**  
**Office Hours: TBA**

**TEXTBOOK: EXCURSIONS IN MODERN MATHEMATICS** by Peter Tannenbaum , 7th edition.

**Course Description:** This course meets the mathematics requirement for liberal arts (non-science transfer students). The topics covered are selected from set theory, counting and probability, and basic statistics, linear programming, game theory, Markov process, difference equations, and mathematical modeling.

**Required Materials:**

- Textbook Title: Excursions in Modern Mathematics (7<sup>th</sup> edition) , P. Tennenbaum, 2011.
- Notebook or binder
- TI 83 or 84 graphing calculator
- Access to MyMathLab software (optional)

**ATTENDANCE :** Attendance will be taken during every class. You are expected to attend each class and to be in class on time. You are also responsible for any material covered in class, including homework assignments and scheduling of exams. Short unannounced quizzes may be given and they cannot be made up.

**GRADING:** A minimum of four announced 100 point tests will be given along with a final test which will **not** be cumulative. Take-home quizzes, projects, as well as quizzes taken in class will also be factored in the final grade. The course grade will be determined by dividing points earned by total points possible. The lowest test grade (not the final test) will be dropped. Letter grade equivalents are given below.

A = 93-100	B+ = 87-89	C+ = 77 - 79	D+ = 67 -69
A- = 90-92	B = 83-86	C = 73 - 76	D = 63-66
	B = 80-82	C- = 70 - 72	D- = 60-62

**MAKE-UP TESTS :** Attendance at test days is mandatory. You will be informed of the dates at least a week in advance. Make-up tests may be given with prior consent only and need to be made up before the next scheduled class meets.

**HOMEWORK :** Homework will be assigned during each class and will be gone over on the following class. Generally homework will not be graded, however I may give several unannounced quizzes that may be taken directly from the homework.

**CLASS PARTICIPATION:** I strongly encourage everyone to participate in class and to ask any questions that you may have. If you miss a class be sure to get the notes and assignments that you may have missed from a classmate.

**Support Services:** Free tutoring is available in room C-117 at the Thames Tutoring Center (860-885-2311). Appointments are required in advance.

**Disabilities Statement:**

If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. Please note that accommodations cannot be provided until you provide written authorization from a DSP.

<p><b>_TRCC Disabilities Service Providers</b> Counseling &amp; Advising Office Room A-119</p>	
<p><b>Matt Liscum</b> (860) 383-5240</p>	<p><input type="checkbox"/> Physical Disabilities <input type="checkbox"/> Sensory Disabilities <input type="checkbox"/> Medical Disabilities <input type="checkbox"/> Mental Health Disabilities</p>
<p><b>Chris Scarborough</b> (860) 892-5751</p>	<p><input type="checkbox"/> Learning Disabilities <input type="checkbox"/> ADD/ADHD <input type="checkbox"/> Autism Spectrum</p>

**Academic Integrity** is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond.

Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the college. In this class present only your own best work.

**Cell Phones and Beepers:** Cell phones and beepers should be off during class.

**Inclement Weather:**

myCommNet Alert is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delayed or closed due to weather.

All students are encouraged to sign up for myCommNet Alert. A tutorial is available on the Educational Technology and Distance Learning Students page of the web site.  
[http://www.trcc.commnet.edu/div\\_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html](http://www.trcc.commnet.edu/div_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html)

**Math 146 Topics:**

- Chapter One: The Mathematics of Voting – The Paradoxes of Democracy
- Chapter Two: The Mathematics of Power - Weighted Voting Systems
- Chapter Three: The Mathematics of Sharing - Fair Division
- Chapter Four: The Mathematics of Apportionment – Making the Rounds
- Chapter Five: The Mathematics of Getting Around – Euler Paths and Circuits
- Chapter Six: The Mathematics of Touring – The Traveling Salesman Problem
- Chapter Ten: The Mathematics of Money - Spending It, Saving It, and Growing It
- Chapter Thirteen: Collecting Statistical Data - Consensus, Surveys, and Clinical Studies
- Chapter Fourteen: Descriptive Statistics – Graphing and Summarizing Data
- Chapter Fifteen: Chances, Probabilities, and Odds – Measuring Uncertainty
- Chapter Sixteen: Normal Distributions – The Call of the Bell

Topics may be covered out of sequence and certain chapters may be added or deleted as necessary. Expect to cover eight or nine chapters from those listed.