**Prerequisite:** MAT\* K137 or MAT\* K137S with a “C” grade or better or appropriate placement through multiple-measures assessment process.

**Course**

**Description:** This is a survey course designed to acquaint the liberal arts student with a broad spectrum of mathematical ideas not emphasized in traditional algebra courses. As a terminal mathematics course, it conveys the nature and diversity of mathematics, its methods, applications, and roles in society. Topics are selected from problem solving and critical thinking skills, graph theory, voting and apportionment, introduction to probability, linear programming, patterns and symmetry, linear and exponential applications; others may include fractal geometry, financial management, fair division schemes, game theory, or codes.

**Measurements:** 4 Assessments 100 points each 400

HW in MyOpenMath see below 100

Discussion questions see below 110

Final grade = (total points earned/600) \*100

Grade equivalents: A 93 – 100, A- 90 – 93, B+ 87 -89, B 83 – 86, B- 80 – 82, C+ 77 – 79, C 73 – 76, C- 70 – 72, D+ 67 – 69. D 63 – 66. D- 60 – 62, F below 60, N if the student completed less than 60% of work.

**Attendance:** Your attendance in this class will be determined by your participation in the discussion and other class activities. You must provide a response to the “Introduce Yourself” forum in the first week to indicate your intent to participate in this course. Subsequent participation in class will be determined by your participation in the discussions. See below for information on how to successfully participate in the discussions.

Please note that “weeks” in this course will run from Friday morning until Thursday night. This means that all discussions and assessments will be available at 12:30 am on Friday mornings and **most** work will be due by Thursday evening at 11:59 pm. There are some items which are due by 11:59 pm on Sunday, make sure you read this syllabus thoroughly.

**Text:** This summer we will be using OpenSource material. You can use the online version of the text or you can print it directly from the website. The chapters are available individually in the content folders in Blackboard.

* The text is ***Math in Society*** by David Lipmann.
* (http://www.opentextbookstore.com/mathinsociety/)
* Access to MyOpenMath software (www.myopenmath.com)

**MyOpenMath:** In addition to the readings and discussions, you will have homework in MyOpen Math. This is a required part of the course. This is a free online homework tool. To access this part of the course use the following course ID and Key:

**The course ID: 55112**

**The enrollment key: allenfall2019**

**Assessments:** During some of the weeks there will be an Assessment. These are assignments designed to check your understanding of the material in each unit. These activities will be due by **11:59 pm on Thursday** of the appropriate week. They will be listed as assignments in the weekly folder and your final product should be uploaded as a **Word document or PDF** into the assignment. Any activities not submitted this way will not be graded.

**Discussion:** Because we will not be meeting in the classroom a very important part of this class will be the discussion in Blackboard. There will be discussion questions during every week except when you are doing an assessment. The following criteria will be used to grade discussion questions:

* Discussion questions are not optional.
* You are required to answer the initial question by **Sunday evening at 11:59 pm**. You will not be able to see your classmates’ responses until after you have made this initial response.
* You are also required to post at least two additional responses that week by **Thursday at 11:59 pm**.
  + These additional responses can include responses to your classmates, responses to my follow up questions or questions that are on topic.
  + Only responses which add to the discussion and are on topic will be given credit. (Responses like “Good job” or “Great post” will not receive credit.)
  + Consider asking a question, requesting clarification or respectfully providing a different perspective.
* There will be 1 discussion question for each week that is not an assessment week. You will receive 10 points for each discussion for a total of 110 points possible.
  + For the full 10 points, you must have the initial post and one follow up posts according to the criteria listed above.
  + Late initial posts will have points deducted.
  + Missing follow up posts will have points deducted.
* In some cases, you will be asked to look up answers on the internet or somewhere else. In these cases, you should provide a citation for the source of your answer.

**Office Hours: Mondays, 11:00-12:00 noon**

**Tuesdays, 10:30-11:30 am**

**Wednesdays 2:00 – 3:00 pm**

**Thursdays, 10:30-11:30 am**

**or by appointment in C206**

**Email** [**eallen@trcc.commnet.edu**](mailto:eallen@trcc.commnet.edu) **, Phone (860) 215-9452**

**Please note that while I may check my email over the weekend, you should not expect a quick response to email between Thursday evening and Monday morning.**

**All students, even online students, are welcome to office hours. They are drop in and first come first served. If my office hours are inconvenient for you, please email me and we can set up a mutually convenient time.**

**Support Services**: Tutorial services, peers, or meeting with me for extra help during office hours.

**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. Directions on how to forward your school email to your personal email can be found on the school website.

**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

**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.

**Disclaimer:** The instructor has the right to change/modify this syllabus at any time with proper notification to the class.

**Acceptance Policy:** After reading this syllabus, choosing to stay registered for this course exemplifies your acceptance of the syllabus and all policies and consequences outlined in the syllabus. If you do not agree with any of the terms in the syllabus, you are free to withdraw.

**Schedule**

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| --- | --- | --- |
| **Dates** | **Content** | **Assignments** |
| 8/27-8/29 | Introductions | Introduce yourself Discussion |
| 8/30-9/5 | Voting Theory | Discussion, MyOpenMath |
| 9/6-9/12 | Weighted Voting | Discussion, MyOpenMath |
| 9/13-9/19 | Apportionment | Discussion, MyOpenMath |
| 9/20-9/26 | Assessment | Assessment in Blackboard |
| 9/27-10/3 | Graph Theory | Discussion, MyOpenMath |
| 10/4-10/10 | Scheduling | Discussion, MyOpenMath |
| 10/11-10/17 | Finance | Discussion, MyOpenMath |
| 10/18-10/24 | Assessment | Assessment in Blackboard |
| 10/25-10/31 | Set Theory | Discussion, MyOpenMath |
| 11/1-11/7 | Logic | Discussion, MyOpenMath |
| 11/8-11/14 | Probability | Discussion, MyOpenMath |
| 11/15-11/21 | Assessment | Assessment in Blackboard |
| 11/22-11/28 | Historical Counting | Discussion, MyOpenMath |
| 11/29-12/5 | Fractals | Discussion, MyOpenMath |
| 12/6-12/12 | Assessment | Assessment in Blackboard |

**Don’t forget that the initial posts for the Discussion are due by 11:59 pm on Sunday of the appropriate week and all other assignments are due by 11:59 on Thursday of the appropriate week.**