Course Title: Discrete Mathematics, MATH 218 - 03, Spring 2019

Credits: 4

Prerequisite: MATH 152 with a grade of C- or higher

Course Description: This course introduces students to the basic theorems, techniques and applications of discrete mathematics. The following topics are covered at an introductory level: Mathematical Logic, Set theory, Mathematical Reasoning, Number Theory, Induction and Recursion, Combinatorics, Equivalence Relations, and Graph Theory.

Instructor: Nelson Castaneda
Office: Marcus White 123
Phone: 860 832-2851
Email: castanedan@ccsu.edu

Office Hours: Mondays from 6 to 7 PM, Tuesdays and Thursdays from 3 to 5 PM. We can arrange to meet at other times when necessary.

Textbook: There is no textbook. Class notes and handouts will be posted on BlackBoard Learn. However, it is recommended that you acquire a Discrete Mathematics book for reference and independent reading. I recommend Discrete Mathematics with Graph Theory by E. G. Goodaire and M. M. Parmenter, or Discrete Mathematics and its Applications by K. H. Rosen, or Discrete Mathematics for Computer Science by G. Haggard, J. Schlipf, and S. Whitesides. There are also several free online books that can be used for reference. The Book of Proof by Richard Hammack is recommended.

Class Meeting Times: Monday, Wednesday, Friday from 1:40 to 2:50 PM in Lawrence J. Davidson 203.

Course Requirements: Attend and participate in class regularly; complete homework assignments; take quizzes and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class. Every five missed classes without documented justification will result in a one letter grade reduction for the course.

Cell phones and other communication devices must be turned off at all times during class except when you wish to take pictures of the board.

Assessment: There will be a few quizzes and class activities, homework assignments, two in-class tests, and a final exam. The activities, class participation and homework are worth 20% altogether, the quizzes are worth 15% altogether. The in-class tests are worth 20% each and are given on Friday, March 8, and Wednesday, April 17. The final exam is cumulative, is worth 25%, and is given on Wednesday, Wednesday, May 15th from 1 to 3 PM.

Every five missed classes without documented justification will result in a one letter grade reduction for the course.

The minimum averages to determine the letter grades are as follows:
A 93%  A- 90% B+ 87% B 83% B- 80% C+ 77% C 73% C- 70% D+ 67% D 63% D- 60%

Final Exam: Wednesday, Wednesday, May 15th from 1 to 3 PM.
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<th>Assessment</th>
<th>Date</th>
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<th>Score</th>
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<td>Quiz 1</td>
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<td>Quiz 2</td>
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<td>Test 1</td>
<td>March 8</td>
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<td>Makeups</td>
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<td>Quiz 3</td>
<td>March 29</td>
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<td>April 26</td>
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<td>Final Exam</td>
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University Policies:

1. You must take the final examination at the time specified in the course selection book: Wednesday, May 15th, 1 - 3 PM.

2. If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible. My telephone number and office hours are given above.

I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, Willard - DiLoreto Hall, Room W 201, if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message,” or check the online Cancelation/Delay Information.

4. Students may drop full semester courses up to the last day of the third week of classes in the regular semester. Courses dropped by Monday, February 11 will not appear on the students transcript. Please drop the course by February 11 if you think that this course is not appropriate for you. Feel free to stop by my office to discuss your situation.

5. Students withdrawing from a full semester course from February 11 through April 22 (through the 12th week of the semester) may do so by completing a withdrawal form. A notation of W will appear on the student transcript. Withdrawals during this time do not require written authorization; however, it would be prudent for the student to discuss this matter with their instructor or/and their academic advisor.

6. Forms to either drop or withdraw from a course may be found on the registrar’s website or obtained in the registrars Office in Willard - DiLoreto Hall, Room D 202.

7. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student’s intention to drop the course. After April 22nd withdrawals are allowed only under extenuating circumstances, only for students who are passing the course, and require written approval of the course instructor and the department chair.

8. Central Connecticut State University (CCSU) will not tolerate sexual misconduct against students, staff, faculty, or visitors in any form, including but not limited to: sexual assault, sexual exploitation, sexual harassment or stalking, as defined in CCSU policies. For additional information, please consult the website of the Office of Diversity and Equity.

9. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at Academic Integrity Policy. This policy is rigorously enforced by the Department of Mathematical Sciences.

10. All students are expected to demonstrate integrity in the completion of their course work. Academic integrity means doing one’s own work and giving proper credit to the work and ideas of others. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism and to avoid all forms of cheating and plagiarism. Students who engage in plagiarism and other forms of academic misconduct will face academic and possibly disciplinary consequences. Academic sanctions can range from a reduced grade for the assignment to a failing grade for the course. From a disciplinary standpoint, an Academic Misconduct Report may be filed and a Faculty Hearing Board may impose sanctions such as probation, suspension or expulsion.

11. For further information on academic misconduct and its consequences, please consult the Student Code of Conduct and the Academic Misconduct Policy.