George Mason University
Fall 2017
Discrete Mathematics I
Math 125-002 CRN 71182
Course Syllabus

Remember to THINK, WORK, RELAX, and ASK QUESTIONS. We are all here to learn. Take a chance on yourself because you're worth it!

Instructor's Information
Instructor: Steve Schluchter.
Email: sschluch@gmu.edu.
Office: Exploratory Hall 4453.
Office Hours: T and R 610PM-650PM. These times and the office hour location are subject to change.

Meeting time and location: TR 720PM-835PM in Lecture Hall 2.

Prerequisites: Math Placement Algebra 13 or Undergraduate level MATH 105 Minimum Grade of C or Undergraduate level MATH 108 Minimum Grade of C or Undergraduate level MATH 113 Minimum Grade of C.

Textbook: *Goodaire and Parmenter, Discrete Mathematics with Graph Theory, Third Edition, 2006.*

Grades will be determined based on the following weighting: written presentations, 15%, three exams, 20% each, and final exam, 25%. Final course grades will be determined in a manner that is at least as generous as the following scheme: 90% for an A-, 80% for a B-, 70% for a C-, 60% for a D.

Homework will be assigned daily, but none of it will be collected. Instead, your instructor will select three problems whose solutions are to be submitted as **written presentations**. Only one of the three solutions will be graded. The expectation will be that your written presentations are to be clear, complete, and concise presentations of the requisite solutions. They are to be written in complete sentences, be accompanied by all appropriate sketches, and feature explanations of all cause and effect relationships. Written presentations will be submitted each Thursday after the first week unless an exam is to take place that week. Each graded written presentation will be worth 5 points, and students are responsible for 10 points less than the total number of points. This does allow for some extra credit.

Tentative exam dates: 28.September, 26.October, and 30 November. Students are to expect exams on these days unless the instructor changes them.

Final exam date, time, and location: Tuesday, 19.December.2017, 730PM-1015PM in Lecture Hall 2.

Students are to bring a photo ID to each exam.

Course Description (per the course catalog): Introduces ideas of discrete mathematics and combinatorial proof techniques including mathematical induction, sets, graphs, trees, recursion, and enumeration. The instructor aims to treat the following sections in the order that they appear: 0.1, 0.2, 2.1, 2.2, 9.1, 9.2, 9.3, 10.1, 10.2, 10.4, 12.1, 12.2, 12.3, 12.5, 13.1, 13.2, 5.1, 5.2, 5.3, 2.3, 2.4, 2.5, 3.1, 3.2, 3.3, 6.1, 6.2, 6.3, 7.1, 7.2, 7.7.

Students are bound by the GMU Honor Code. Exams are to be closed book and closed notes. Calculator use is not permitted. The visible possession of any electronic or mechanical computational device is prohibited during exams, though students are allowed (but not encouraged) to use them while doing their homework and written presentations.

Disability-Related Issues: Any student with a documented disability who needs disability related accommodations should consult the Office of Disability Services. All arrangements should be made through that office. A student with any related accommodations should provide the instructor with timely

Notes: The GMU Math Tutoring Center is a resource for students' use. There will be no makeup exams without a valid and documented excuse. There will be no late work accepted without a valid and documented excuse. The validity of the excuse and documentation is solely in the jurisdiction of the instructor. A lack of timely documentation provided in a timely manner is likely to result in a request for a

makeup exam being refused. Announcements, homework, and other communications will be posted on BlackBoard. A student may replace one midterm percentage with the final exam percentage provided that the final exam percentage bests the midterm percentage to be replaced. Students are expected to keep up with the course and all coursework regardless of their attendance. This syllabus may be changed at the discretion of the instructor.