Discrete Mathematics Syllabus--P. Staley Spring 2012

- **Instructor: Patrick Staley**
  - Office: 390D
  - Office hours: 1:30-2:20PM Mon-Wed-Fri, 11:00-11:50AM Tue-Thur
  - Website: www.staley-classes.org
  - Email: patrick@mr-ideahamster.com
  - Telephone: 619-4216700, ext 5521
- **Textbook: Discrete Mathematics with Applications Fourth Edition, by Susanna Epp.**
  - Textbook on Amazon
  - Textbook Author's Website
- **Prerequisite: Second Semester Calculus (Math 251)**
- **Class Meetings Tuesdays and Thursdays 12:00-1:15 PM room 391**
- **Course Description**
  - This is a transferable course that is a prerequisite for most upper division Mathematics and Computer Science classes. The core topics are logic, methods of proof, mathematical induction, set theory, counting, general functions, and relations. Applications will be drawn from number theory, probability, computer science, and other sciences.
- **Attendance Policy**
  - Students are expected to attend all lectures. If a student misses excessive class time, he/she may be dropped. Attendance is taken with a seating chart. All absences are the same, i.e. there are no "excused" absences. A student with four or more tardies may be dropped from the class.
- **Electronic Devices Policy**
  - During lecture and exams please turn off all phones, pagers, music devices, tape recorders, etc.
- **Special Accommodations**
  - Southwestern College recommends that students with disabilities discuss academic accommodations with their professors during the first two weeks of class. An alternate form of this syllabus is available upon request.
- **Homework**
  - There will be homework due for every section. Repeated failure to complete homework assignments will be identified as non-performance. The assigned homework problems will be posted on the class website.
  - Homework Assignments by Chapter
- **Grading**
  - Grade Computation
    - Your final grade will be a composite of several chapter tests and a Final Exam. The Final Exam is weighted as two chapter tests. Letter grades of A,B,C,D, or F are assigned to each chapter test and Final Exam. These are incorporated into the final grade based on the weight assignments A=4, B=3, C=2, D=1, and F=0. Excessive F scores (two) will result in a lower class grade regardless of the weighted average score. The final exam is comprehensive. There will be no make up tests. You should be able to access your current aggregate grade through the class website.
  - Example
    - Assume chapter test grades of B,D,B,C,B,A, and final exam grade of A. Then Class Grade = (3+1+3+2+3+4+4*2)/8 = 3.0 = B (note that for the class grade A is 3.5 to 4.0, B is 2.5 to 3.5, C is 1.5 to 2.5, D is 1. to 1.5, and F is 0 to .99)
  - Exam Policies
    - No make-up tests.
    - Knowing the correct answer to an exam question is insufficient—the correct answer must be written on the answer sheet.
    - Exam answers that confuse the grader will be marked wrong.
  - Grade Notification
    - The class website, www.staley-classes.org, has the most current grade sheet. The grade sheet is password protected. You can access the grade sheet at any time after the first exam has been scored.
- **Class Website www.staley-classes.org**
  - www.staley-classes.org contains relevant information for this class including: homework assignments, current notes to students, information on exams, an updated syllabus, the current grade sheet (password protected), project descriptions, exam practice problems, practice tests, answers to practice tests, and other relevant information. So that you receive website update notifications please send an email message using the "get it" link under the appropriate "Notification" line. This will put you on the email notification list for the class.
- **Behavior Policies**
  - A student may be dropped from the class for excessive absences.
    - Excuses: There are no "excused" absences in this class. All absences are treated equally.
    - If you are going to be absent on an exam day make prior arrangements with the teacher. There are no makeup exams for no-shows on exam day.
    - Students who miss three classes are subject to being dropped.
  - A student may be excluded from the class for disruptive behavior.
  - This class adheres to all misconduct policies as stated in the current Southwestern College catalogue. Pages from Catalog2009-2010Updated
  - Cheating
    - Behavior indicative of cheating will be handled by an oral exam. behavior example
    - The oral exam is an investigation of the rational for the "behavior indicative of cheating". oral exam example
      The outcome of this process will be one of: F grade on the exam, F grade for the semester, student drops the class, or reinstatement of the score.

Cheating

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- The outcome of this process will be one of: F grade on the exam, F grade for the semester, student drops the class, or reinstatement of the score.
- This penalty also applies to any accomplice. So make sure that when you help someone they can defend their work.

- **Tutorial Services**
  - The MESA Center, located in room 396, provides free tutoring for this course.
  - The Academic Success Center in room 420 also offers tutoring.
  - Only a few of the tutors are qualified to tutor for this class. The names of the qualified tutors should be known by the second week of class.
- **Projected Schedule**
  - TBA
- **Final Exam**
  - The final exam is comprehensive.
  - Date/time for the final exam
    - Tuesday May 15 10:30AM-12:30PM
- **Initial Assignment**
  - Buy the Textbook
  - Visit the Class Website Staley Classes Website
  - Sign up for the Notification Email List (if you are not already on the list)

    - subscribe request for Discrete Mathematics class
  - Read Chapter 1 and do the problems for all three sections.