

**Fall 2018**

**MAD 2104 MW 6:25-7:40pm**

**Discrete Mathematics**

**Dr. S. Gorman**

**Office:** DM 417B

**Phone:** (305) 348-7099

**Office Hours:**

M W 4-6pm

Other hours by appointment

**E-mail Address:** gormans@fiu.edu

**Text:** Discrete Mathematics by Kenneth Rosen, 7th Edition  
Solution Manual optional

**Syllabus:**

**EXAMS ARE NOT AT CLASS TIME. IF YOU ARE UNABLE TO ATTEND TIMES BELOW AND I AM UNABLE TO ACCOMMODATE YOU, YOU MAY HAVE TO DROP THE CLASS.**

Important: All exams are based on class lectures and homework problems. Some material is not in the book. If you miss class, it is your responsibility to obtain notes. Nongraphing calculators (only) will be allowed during exams and quizzes.

Sets and Operations on Sets, Relations, Equivalence Relations, Functions, Cardinality,  
**Exam I, Wednesday, September 26**

Logic and Arguments, Mathematical Induction & Recursion, Combinatorics, Combinatorial Identities & Binomial Theorem, **Exam II, Wednesday, October 24**

Graphs (Directed & Undirected), Isomorphism of Graphs, Paths, Adjacency Matrices, Euler Paths, Four Color Problem, Planar Graphs, Trees, Traversal of Trees,  
**Exam III, Wednesday, November 28**

Boolean Algebras, Disjunctive Normal Form, Minimization of Boolean functions  
(Karnaugh)

**FINAL EXAM - Cumulative**

A quiz will be given every **Wednesday** on homework assigned from the previous week except when an exam is given. The sum of the highest eight quizzes will be equal to one exam score.

If the final exam exceeds any of the other exam scores, the final counts double and the lower score drops. **NO MAKE-UPS**

**Grading Policy**

Average grade is determined by taking sum of 3 exams, I Final Exam and I Quiz grade and dividing by 5.

If average grade is	Final course grade is
90 or above	A
87-89	A-
84-86	B+
80-83	B
77-79	B-
74-76	C+
70-73	C
64-69	D+
60-63	D
Below	F

**Arts & Sciences Policy on Saving Instructional Records:**

It is the student's responsibility to save all material distributed by the instructor and

1. Make duplicate copies of all papers.
2. Save all examinations and papers that are returned.
3. Raise any questions about grades within 45 days of the date classes begin in the following semester,

**Arts and Sciences Policy on Cheating:**

Any student suspected of cheating will be brought before the appropriate committee and prosecuted. See student handbook.