

SYLLABUS

MATH 258

2:00 - 3:20 T,Th

(Plato)

Instructor: Dr. Michael Aristidou

Office Hours: 3:30-4:00 T,Th

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Textbook: Discrete Mathematics and Its Application, by K.H. Rosen, 6th Edition, Mc Graw Hill 2003

Course Overview: This course gives an introduction to several mathematical topics of foundational importance in the mathematical and computer sciences. Topics include:

Propositional and first order logic, introductory set theory, basic number theory, permutations and combinations, equivalence relations, and basic probability theory. In this course, students will also be introduced to the concepts of modular arithmetic, groups, and fuzzy sets.

Course Outline: The following chapters, time permitting, will be covered:
Ch.1, Ch.2, Ch.3, Ch.5, Ch.6, Ch.8 (and topics from Ch.4 and Ch.12 if time permits)

Grading: 40% - 4 tests
20% - 2 take-home homework assignments
20% - midterm exam
20% - final exam
(**NO** test scores will be dropped)

Grading Scale: A = 85-100%, B = 75-85%, C = 65-75%, D = 50-65%, F = 0-50%

Project: There are a few projects available for students of this course. Most of them come out of the textbook and are related to the concepts taught (some require the use of computers). The student can choose the project of his/her preference, always in cooperation with the instructor. Nevertheless, not all students are eligible for these projects. Only students that score high on their tests, especially the Midterm, are eligible. A project like that will waive the Final Exam, and it will have the same grade weight as the Final (20%). A project could also be submitted before the corresponding Final Exam date.

Test Make-up Policy: Speak to me **BEFORE** the test or leave a telephone or an e-mail message. If you are not able to contact me before the test, contact me within the **NEXT** couple of days. Documentation to verify the reason you missed the test is required. Only one make-up test will be allowed for the semester and that if there are extremely special circumstances.

Class Policy: All cell phones, pagers, laptops, etc. must be turned off during class. No food or drinks are allowed in class. Only pencil is to be used on tests. All tests must be your work. Dishonesty is a violation of the code of student conduct and it will not be tolerated.

Important Dates:

25- 30 Oct: Midterm, 11-15 Dec: Final