

# SYLLABUS

## MATH 200 - Section A

8:30 - 9:50 T,Th (Euclid)

8:30 - 9:20 F (Plato)

**Instructor:** Dr. Michael Aristidou

**Office Hours:** 10:00-11:00 T,Th

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**Textbook:** Calculus-Early Transcendentals, by J. Stewart, 5th Ed, Brooks/Cole 2003.

**Course Overview:** The purpose of this course is twofold. It extends the concepts introduced in MAT 150 (e.g. Integration in more detail) and presents the introductory concepts for MAT 225 (e.g. Vector Functions and Space Curves). Topics include:

Definite Integrals, Indefinite Integrals, Techniques of Integration, Applications of Integration (areas between curves, volumes of rotated regions, arc lengths, etc), Parametric Equations and Polar Coordinates, Sequences and Series, Taylor Series, Vectors in Space, Lines and Planes in Space, Vector Functions and Space Curves, and Partial Derivatives (if time permits).

**Course Outline:** Sections from the following chapters will be covered:  
Ch.5, Ch.6, Ch.7, Ch.8, Ch.10, Ch.11, Ch.12, Ch.13 (and topics from Ch.14 if time permits)

**Grading:** 4 Tests (40%)  
2 Homeworks (take-home) (20%)  
1 Midterm Exam (20%)  
1 Final Exam (20%)  
(**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