

# SYLLABUS

## MATH 140

9:30 - 10:50 M,W

2:30 - 3:20 F

**Instructor:** Dr. Michael Aristidou

**Phone:** 425-895-4435

**Office Hours:** 12:30-1:30 M,W

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**Textbook:** Practical Linear Algebra, by G. Farin and D. Hansford, AK Peters, Ltd. 2004.

**Course Overview:** This course gives an introduction to vector geometry and linear transformations. Topics include: review of basic algebraic and trigonometric concepts. vector arithmetic, lines and planes in 3-space, linear transformations (translations, rotations and reflections), matrix representations of linear transformations, and eigenvectors. Certain applications of the material towards computer graphics will be discussed.

**Course Outline:** The following chapters, time permitting, will be covered:  
Ch.2- Ch.7, Ch.10-Ch.13

**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%

**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:**

1- 4 March: Midterm, 24-28 April: Final