Physics 1000: Introduction to Physics I
Sections A

PREREQUISITES: Physics 30 AND One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500
COREQUISITES: Mathematics 1560

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Required Text: University Physics
Openstax™ (available online)
https://openstax.org/details/books/university-physics-volume-1
You can also order a paper copy from amazon.com. Please read the terms and conditions carefully before ordering.

Lectures: Section A: MWF 9:00 – 10:00 am, Room W561

Office Hours: Thursdays: 2:00 P.M. - 4:00 P.M.

Mark Distribution:

Assignments:	20%
Laboratory:	20%
Midterm test:	25%
Final Exam:	35%

Laboratory Sections: You MUST be registered in a lab section and complete the required laboratory work.

<u>Midterm Test:</u> Friday, October 20 In-Class test (50 minutes)
Material covered during September 7 – October 13

Final Exam (3 hours): Check the final exams schedule. (All course material)

Formula sheets for the tests: One side of a sheet for the midterm tests and both sides for the final

A missed test will result in a grade of 0 for that test unless a formal excuse is provided in which case the weight of the test will be added to the final exam's weight.

Assignments are emailed on or before Friday every week and are due on the following Friday lecture. Late assignments will not be considered for marking. A mark of <u>0</u> will be assessed to a late assignment or to one not handed in.

Assignment Solutions: The assignment solutions will be posted on the course webpages.

Topics

Chapter 1: Units and Measurement
Chapter 2: Vectors
Chapter 3: Motion Along a Straight Line
Chapter 4: Motion in Two and Three Dimensions
Chapter 5: Newton's Laws of Motion
Chapter 6: Applications of Newton's Laws
Chapter 7: Work and Kinetic Energy
Chapter 8: Potential Energy and Conservation of Energy
Chapter 9: Linear Momentum and Collisions
Chapter 10: Rotation (time permitting)

Marking Scheme:

Mark	Letter Grade	Grade Point Value
90 – 100	A+	4.0
86 – 90	A	4.0
82 – 86	A-	3.7
78 – 82	B+	3.3
74 – 78	B	3.0
70 – 74	B-	2.7
66 – 70	C+	2.3
62 – 66	C	2.0
58 – 62	C-	1.7
54 – 58	D+	1.3
50 – 54	D	1.0
0 – 50	F	0.0