

## **PHY 3610: Mechanics I, Fall 2018**

Instructor: Evgeniy Khain

Class hours: Tu,Th 5:30 - 7:17 pm, Room 120 MSC

Office hours: by appointment (272 Hannah Hall, 248-370-3412)

E-mail: khain@oakland.edu

**Textbooks:** Fowles and Cassiday, Analytical Mechanics (seventh edition). I plan to cover Chapters 1-7 and some parts of Chapters 8 and 10.

**Attendance:** Attendance to all lectures is expected. Poor attendance usually correlates with poor course grade.

**Grades:** Midterm Exam 1 - 20%, Midterm Exam 2 - 20%, Final Exam - 40%, Homework - 20%. Grades for homework and exams are given in a range from 0 to 100. Final grade will be calculated and transformed to OU grading system (letter grade) as follows:

| Letter Grade | 4.0 Scale | Percent scale |
|--------------|-----------|---------------|
| A            | 4.0       | 95-100        |
| A-           | 3.7 – 3.9 | 88-94         |
| B+           | 3.3 – 3.6 | 81-87         |
| B            | 3.0 – 3.2 | 75-80         |
| B-           | 2.7 – 2.9 | 70-74         |
| C+           | 2.3 – 2.6 | 65-69         |
| C            | 2.0 – 2.2 | 60-64         |
| C-           | 1.7 – 1.9 | 57-59         |
| D+           | 1.3 – 1.6 | 53-56         |
| D            | 1.0 – 1.2 | 50-52         |
| F            | 0.0       | <50           |

**Homework:** There will be approximately 7-8 homework assignments. Solutions of homework problems will be distributed in class a week after the answers are collected. Late assignments will not be graded.

**Homework format:** use 8"x11" paper, write on only one side, write your name and G-id on the cover page, solve the problems in order, staple at left corner.

**Examinations:** There will be two midterm exams (closed books) and a final exam (closed books). You may bring an 8.5" x 11" hand written sheet containing formulas (one page, two sides); the formula sheet must be submitted with the exam. **The final exam will take place on Tuesday, December 11, 7:00 - 10:00 pm.**