

# Syllabus for Phys. 335: Intermediate Mechanics

## Spring 2018 Hunter College of CUNY

---

Instructor: Prof. János Bergou  
Office: Rm. 1205HN  
Email: [jbergou@hunter.cuny.edu](mailto:jbergou@hunter.cuny.edu)  
Tel.: (212) 772-5254  
Office Hours: Monday and Wednesday, 2 - 3 PM

### Course Description

The class meets Monday, Wednesday, 4:10 – 6:00, in Rm 1311 HN.

In addition to homework, there will be two midterms and a cumulative final.

**First Midterm: Wednesday, March 7, Chs. 2, 3, 5, 6.**

**Second Midterm: Monday, April 30, Chs. 6, 7, 8.**

**Final (cumulative, problems from chapters covered in class): Monday, May 21, 4-6 PM, Rm 1311HN**

The course will largely follow the textbook:

**Classical dynamics of particles and systems 5<sup>th</sup> Edition, by Thornton and Marion**

<http://hunter.textbookx.com/institutional/index.php?action=browse#books/1628753/>

Outline:

Ch.1 read only, will not be covered in class. However, the material will be assumed known.

Chs. 2 and 3 covered fully.

Ch. 4 read only (strongly recommended), will not be covered in class.

Chs. 5-8 covered fully.

Ch. 9 read only, will not be covered in class.

Ch. 10 covered fully.

Chs. 11-13 read only (strongly recommended), will not be covered in class.

Ch. 14 covered fully.

### Attendance

Attendance is required: In addition to the lecture important information regarding exams, homework, schedule etc., is communicated during class.

### Homework

Problem sets will be distributed roughly once every other week (except when there are no classes). The solutions are due in exactly one week after the hand-out. One randomly selected problem will be graded from each assignment. The HW counts 10% toward your final grade.

## Course grade

There are two midterms and a comprehensive final exam. The grading is described in the table below. The higher scoring midterm counts for 30% and the lower scoring midterm counts for 20%. There are no make-up exams. If a midterm is missed for a valid reason, the final grade will be based on the examinations taken. There is no extra credit in this class. **The exam questions are problem solving types!**

Midterm 1 (Higher midterm of 1 and 2)	30%
Midterm 2 (Lower midterm of 1 and 2)	20%
Homework (5 or 6 sets, one problem from each set will be graded)	10%
Final exam is mandatory (Cannot get a grade for the course without it)	40%
<b>Total</b>	<b>100%</b>

## IMPORTANT DATES

Monday January 29 is the first day of classes

Monday February 19 President's Day, no class

Tuesday February 20 Monday's schedule, class meets

March 30 – April 8 Spring Recess.

Wednesday May 16 is the last day of this class.

## Academic Integrity

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The college is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

## Accessibility

In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/or Learning) consult the Office of AccessABILITY, located in Room 1214 B East Building, to secure necessary academic accommodations. Hunter College does not discriminate against any student on the basis of pregnancy or related conditions. Absences due to medical conditions relating to pregnancy will be excused for as long as deemed medically necessary by a student's doctor.