

### Table of examination schedule

<u>Examination name and weight in letter grade</u>	<u>Day and Date</u>	<u>Time and Classroom</u>	<u>Syllabus</u>
First, 20%	Friday, 10 <sup>th</sup> October	11:30 a.m. – 12:25 p.m., TBD	Chapters 1 – 4
Second, 20%	Wednesday, 12 <sup>th</sup> November	11:30 a.m. – 12:25 p.m., TBD	Chapters 5 – 8
Final, 20%	Monday, 8 <sup>th</sup> December	12:30 – 2:30 p.m., TBD	Entire course syllabus

### Table of course agenda

**Note:** The course agenda is approximate and subject to change at the instructor's discretion.

<u>Week number:</u>	<u>Topics</u>	<u>Reading</u>
1	Newton's Laws of Motion	1.1 – 1.7
2	Projectiles and Charged Particles	2.1 – 2.2, 2.4 – 2.7
3	Momentum and Angular Momentum	3.1 – 3.5
4	Energy	4.1 – 4.6
5	Exam 1 Review	Exam 1 Review
6	Oscillations	5.1 – 5.4
7	Oscillations Continued	5.5 – 5.6
8	Lagrange's Equations	7.1 – 7.7

9	The Central Force Problem	8.1 – 8.7
10	Exam 2 Review	Exam 2 Review
11	Mechanics in Noninertial Frames	9.1, 9.3 – 9.5
12	Centrifugal Force and Coriolis Force	9.6 – 9.8
13	Center of Mass and Rotation about a Fixed Axis	10.1 – 10.2
14	Coupled Oscillators	11.1 – 11.2
15	Coupled Oscillators	11.3 – 11.4