

### 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, 13 <sup>th</sup> October	10:00 – 10:55 a.m., MH 4012*	Chapters 1, 2, and 8
Second, 20%	Monday, 13 <sup>th</sup> November	10:00 – 10:55 a.m., MH 4012*	Chapters 9, 3, and parts of 4
Final, 20%	Monday, 11 <sup>th</sup> December	10:15 a.m. to 12:15 p.m., MH 4012*	Entire course syllabus

\***Note:** The room will be available as a quiet location but taking the examination in this room is optional. Students may choose to take their examination from any location of their choice.

### 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	Survey of Elementary Principles	Chapter 1
2	Variational Principles and Lagrange's Equations	Chapters 1 and 2
3	Variational Principles and Lagrange's Equations	Chapter 2
4	The Hamilton Equations of Motion	Chapter 8, sections 8.1, 8.2, 8.5, and 8.6
5	The Hamilton Equations of Motion	Chapter 8, sections 8.1, 8.2, 8.5, and 8.6
6	Canonical Transformations and Poisson Brackets	Chapter 9
7	The Central Force Problem	Chapter 3
8	The Central Force Problem	Chapter 3

9	The Central Force Problem	Chapter 3
10	Kinematics of Rigid Body Motion	Chapter 4
11	Kinematics of Rigid Body Motion	Chapter 4
12	Rigid body Equations of Motion	Chapter 5
13	Rigid body Equations of Motion	Chapter 5
14	Oscillations	Chapter 6
15	Oscillations	Chapter 6