## Table of examination schedule

| **Examination name and weight in letter grade** | **Day and Date** | **Time and Classroom** | **Syllabus** |
|---|---|---|---|
| First, 20% | Friday, 13th October | 11:30 a.m. – 12:25 p.m., TBD | Chapters 1 – 4 |
| | | | |
| Second, 20% | Monday, 13th November | 11:30 a.m. – 12:25 p.m., TBD | Chapters 5 – 8 |
| | | | |
| Final, 20% | Monday, 11th December | 12:30 – 2:30 p.m., TBD | 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.

| **Week number:** | **Topics** | **Reading** |
|---|---|---|
| 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 |
| | | |

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|---|---|---|
| 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 |