

| Week | Day       | Date   | Lecture               | Reading       | Topic                            | Tutorial                        | Lab    |
|------|-----------|--------|-----------------------|---------------|----------------------------------|---------------------------------|--------|
| 1    | M         | 28-Mar | 1                     | 1.5, 1.6, 2.1 | Intro/Foundations                | No tutorial                     | No Lab |
|      | W         | 30-Mar | 2                     | 2.2 - 2.8     | 1D motion                        |                                 |        |
|      | Th(night) | 31-Mar | Tutorial introduction |               |                                  |                                 |        |
|      | F         | 01-Apr | 3                     | 2.9 - 3.4     | Change in velocity               |                                 |        |
| 2    | M         | 04-Apr | 4                     | 3.5 - 3.8     | Constant acceleration            | Acceleration in one dimension   | Lab A  |
|      | W         | 06-Apr | 5                     | 4.1 - 4.7     | Momentum                         |                                 |        |
|      | Th(night) | 07-Apr | No night class        |               |                                  |                                 |        |
|      | F         | 08-Apr | 6                     | 4.8 - 5.3     | Kinetic and internal energy      |                                 |        |
| 3    | M         | 11-Apr | 7                     | 5.4 - 5.8     | Conservation of energy           | Systems and momentum            | Lab B1 |
|      | W         | 13-Apr | 8                     | 6.1 - 6.3     | Relativity                       |                                 |        |
|      | Th(night) | 14-Apr | No night class        |               |                                  |                                 |        |
|      | F         | 15-Apr | 9                     | 6.6 - 6.8     | Center of mass                   |                                 |        |
| 4    | M         | 18-Apr | 10                    | 7.1 - 7.4     | Transfer of energy               | Kinetic and internal energy     | Lab B2 |
|      | W         | 20-Apr | 11                    | 7.5 - 7.9     | Gravitational potential energy   |                                 |        |
|      | Th(night) | 21-Apr | Exam prep. (zoom)     |               |                                  |                                 |        |
|      | F         | 22-Apr | 12                    | 7.10 - 8.5    | Forces                           |                                 |        |
| 5    | M         | 25-Apr | 13                    | 8.6 - 8.8     | Equation of motion               | Forces and Newton's Laws        | Lab C1 |
|      | W         | 27-Apr | 14                    | 8.9 - 9.4     | Impulse and work                 |                                 |        |
|      | Th(night) | 28-Apr | Midterm 1             |               |                                  |                                 |        |
|      | F         | 29-Apr | 15                    | 9.5 - 9.8     | Work and power                   |                                 |        |
| 6    | M         | 02-May | 16                    | 10.1 - 10.4   | 2D motion                        | Work and Conservation of Energy | Lab C2 |
|      | W         | 04-May | 17                    | 10.5 - 10.6   | Vector algebra                   |                                 |        |
|      | Th(night) | 05-May | No night class        |               |                                  |                                 |        |
|      | F         | 06-May | 18                    | 10.7 - 10.8   | Projectiles                      |                                 |        |
| 7    | M         | 09-May | 19                    | 10.9 - 10.10  | Coefficients of friction         | Potential energy diagrams       | Lab D1 |
|      | W         | 11-May | 20                    | 11.1 - 11.2   | Circular motions                 |                                 |        |
|      | Th(night) | 12-May | Exam prep. (zoom)     |               |                                  |                                 |        |
|      | F         | 13-May | 21                    | 11.3 - 11.4   | Rotational kinematics            |                                 |        |
| 8    | M         | 16-May | 22                    | 11.5 - 11.6   | Angular momentum                 | Motion in two-dimensions        | Lab D2 |
|      | W         | 18-May | 23                    | 12.1 - 12.3   | Torque                           |                                 |        |
|      | Th(night) | 19-May | Midterm 2             |               |                                  |                                 |        |
|      | F         | 20-May | 24                    | 12.4 - 12.5   | Conservation of angular momentum |                                 |        |
| 9    | M         | 23-May | 25                    | 12.6 - 12.7   | Rolling motion                   | Angular momentum                | Lab E  |
|      | W         | 25-May | 26                    | 12.8          | Rotation vectors                 |                                 |        |
|      | Th(night) | 26-May | No night class        |               |                                  |                                 |        |
|      | F         | 27-May | 27                    | 13.1 - 13.5   | Universal gravity                |                                 |        |
| 10   | M         | 30-May | Holiday               |               |                                  | Dynamics of rigid bodies        | No Lab |
|      | W         | 01-Jun | 28                    | 13.6 - 13.7   | Gravitational potential energy   |                                 |        |
|      | Th(night) | 02-Jun | Exam prep./reflec.    |               |                                  |                                 |        |
|      | F         | 03-Jun | 29                    | No reading    | Review                           |                                 |        |