

## *Physics 2A Schedule (Fall 2024)*

| <u>Week</u> | <u>Dates</u>      | <u>Topics</u>  | <u>Chapter</u>       | <u>Lab</u>                   |
|-------------|-------------------|--|----------------------|------------------------------|
| 1           | Aug. 26 – 30      | Representing Motion                                      | 1                    | Team Building                |
| 2           | Sept. 2 – 6       | Motion in One Dimension                                  | 2                    | Experimental Uncertainty     |
| 3           | Sept. 9 – 13      | Vectors; Motions in 2-D                                  | 2, 3                 | Acceleration due to Gravity  |
| 4           | Sept. 16 – 20     | 2-D Kinematics, Forces                                   | 3, 4                 | Forces as Vectors            |
| 5           | Sept. 23 – 27     | Newton's Laws  | 4, 5                 | Projectile Motion            |
| 6           | Sept. 30 – Oct. 4 | Newton's Laws, Momentum                                  | 5, 9                 | Force and Acceleration       |
| 7           | Oct. 7 – 11       | Momentum, review   | 9, review            | Review for Midterm           |
| 8           | Oct. 14 – 18      | Midterm, Energy  | 10                   | Energy and Power             |
| 9           | Oct. 21 – 25      | Energy and Work  | 10                   | Conservation of Energy       |
| 10          | Oct. 28 – Nov. 1  | Using Energy, Ideal Gases                                | 11, 12               | Measuring g                  |
| 11          | Nov. 4 – 8        | Thermal Properties, Fluids                               | 12, 13               | Ideal Gases and Heat         |
| 12          | Nov. 11 – 15      | Fluids   | 13                   | Fluids                       |
| 13          | Nov. 18 – 22      | Oscillations   | 14                   | Simple Harmonic Motion       |
| 14          | Nov. 25 – 29      | Waves and Sound  | 15                   | Standing Waves               |
| 15          | Dec. 2 – 6        | Interference   | 16, review           | Review for Final Celebration |
| 16          | Dec. 10 – 13      | <b>Final Exam<br/>Tuesday (12/10)<br/>7:00 - 9:50 am</b> | <b>1 – 5, 9 – 16</b> |                              |