

# Introduction to Physics

PEP West JAX, 2026 - 2027

| Week | Date        | Topic                                        | Activity                       |
|------|-------------|----------------------------------------------|--------------------------------|
| 1    | -, 8/19     | Class Orientation                            | Bring copy of syllabus         |
|      | 8/24, 26    | Chapter 1 – Describing the Physical Universe | Return copy of signed syllabus |
| 2    | 8/31, 9/2   | Chapter 2 – Motion Basics                    |                                |
| 3    | -, 9/9      |                                              | Labs 1 & 2                     |
| 4    | 9/14, 16    | Chapter 3 – Newton's Laws                    |                                |
| 5    | 9/21, 23    | Chapter 4 – Conservation Laws                | Lab 3                          |
| 6    | 9/28, 30    |                                              | Lab 4                          |
| 7    | 10/5, 7     | Chapter 5 – Forces in Equilibrium            |                                |
| 8    | 10/12, -    |                                              | Lab 5                          |
| 1    | 10/19, 21   | Chapter 6 – Motion in Systems                |                                |
| 2    | 10/26, 28   |                                              | Lab 6                          |
| 3    | 11/2, 4     | Chapter 7 – Work, Energy, Machines           |                                |
| 4    | 11/9, 11    | Chapter 8 – Energy Flow & Systems            |                                |
| 5    | 11/16, 18   |                                              | Labs 7 & 8                     |
|      | 11/23, 25   | Thanksgiving Break - No Classes              |                                |
| 6    | 11/30, 12/2 | Chapter 12 – Electric Circuits               |                                |
| 7    | 12/7, 9     | Chapter 13 – Electrical Systems              | Labs 12 & 13                   |
| 8    | 12/14, 16   | Chapter 14 – Charges & Forces                |                                |
|      | 12/21 - 1/6 | Christmas Break - No Classes                 |                                |
| 1    | 1/11, 13    |                                              | Lab 14                         |
| 2    | 1/18, 20    | Chapter 15 – Magnetism                       |                                |
| 3    | 1/25, 27    | Chapter 16 – Electromagnetism                | Lab 15                         |
| 4    | 2/1, 3      | Chapter 17 – Fields & Forces                 |                                |
| 5    | 2/8, 10     |                                              | Labs 16 & 17                   |
| 6    | 2/15, 17    | Chapter 18 – Harmonic Motion                 |                                |
| 7    | 2/22, 24    | Chapter 19 – Waves                           |                                |
| 8    | 3/1, 3      | Chapter 20 – Sound                           |                                |
|      | 3/8-3/17    | Spring Break - No Classes                    |                                |
| 1    | 3/22, 24    | Chapter 21 – Light & Color                   | Labs 19 & 20                   |
| 2    | 3/29, 31    |                                              |                                |
| 3    | 4/5, 7      | Chapter 22 – Optics                          | Labs 21 & 22                   |
| 4    | 4/12, 14    | Chapter 23 – Nature of Light                 | Lab 23                         |
| 5    | 4/19, 21    | Chapter 9 – Matter, Heat, Energy             |                                |
| 6    | 4/26, 28    | Chapter 10 – The Atom                        |                                |
| 7    | 5/3, 5      | Chapter 11 – Relativity Concepts             |                                |
| 8    | 5/10, 12    | In-Class Test                                |                                |