

## Physics 161 – College Physics II

|  |
|--|
| CHECK MASTERINGPHYSICS<br>FOR ASSIGNMENT DUE |
|--|

## Tentative Course Schedule

| Week of  | Monday                   | Tuesday                                     | Wednesday                   | Thursday                           | Friday                     |
|----------|--------------------------|---|-----------------------------|------------------------------------|----------------------------|
| Jan 10   | Pendulum Activity        | Pre-Tests                                   | Review                      | Lab 1: Oscillations                | Chapter 14 Concepts        |
| Jan 17   | MLK Jr. Day<br>No School | Lab 1: continued                            | Chapter 14 Problems         | Lab 1: continued                   | Chapter 15 Concepts        |
| Jan 24   | Chapter 15 Problems      | Lab 2: Sound and Waves                      | Chapter 16 Concepts         | Lab 2: continued                   | Chapter 16 Problems        |
| Jan 31   | Integrated Problems      | Lab combine: Damped & Driven                | Review (Chap 14–16)         | <b>Exam 1</b><br><b>Chap 14-16</b> | Problems and Connections   |
| Feb 7    | Chapter 17 Concepts      | Lab 3: Light Spectra                        | Chapter 17 Problems 1       | Lab 3: continued                   | Chapter 17 Problems 2      |
| Feb 14   | Chapter 18 Concepts      | Lab 4: Snell's Law Lab                      | Chapter 18 Problems 1       | Lab 4: continued                   | Chapter 18 Problems 2      |
| Feb 21   | Chapter 19 Concepts      | Lab 5: Simple Lenses                        | Chapter 19 Problems 1       | Lab 5: continued                   | Chapter 19 Problems 2      |
| Feb 28   | Integrated Problems      | Lab combine: Compound Lenses                | Review (Chap 17–19)         | <b>Exam 2</b><br><b>Chap 17-19</b> | Problems and Connections   |
| Mar 7    | Chapter 20 Concepts      | Lab 6: Electrophorus and Coulomb's Law      | Chapter 20 Problems 1       | Lab 6: continued                   | Chapter 20 Problems 2      |
| Mar 14   | No School                | No School                                   | No School                   | No School                          | No School                  |
| Mar 21   | Chapter 21 Concepts      | Lab 7: Potentials                           | Chapter 21 Problems 1       | Lab 7: continued                   | Chapter 21 Problems 2      |
| Mar 28   | Chapter 22 Concepts      | Lab 8: Ohm's Observation                    | Chapter 22 Problems         | Lab 8: continued                   | Chapter 23 Concepts        |
| April 4  | Chapter 23 Problems      | Lab 9: Series and Parallel                  | Chapter 24 Concepts         | Lab 9: continued                   | Problems and Connections   |
| April 11 | Integrated Problems      | Lab combine: E-field & capacitors           | Review (Chap 20–23)         | <b>Exam 3</b><br><b>Chap 20-23</b> | Chapter 24 Problems        |
| April 18 | Chapter 25 Concepts      | <a href="#">Student Academic Conference</a> | Chapter 25 Problems         | Lab 10: RC Circuits                | No School                  |
| April 25 | No School                | Lab 11: Induction and $F=q(v \times B)$     | Chapter 26 Concepts         | Lab 11: continued                  | Chapter 26 Problems        |
| May 2    | Review Course Evals      | Post-Tests Laboratory Evals                 | Study Day (optional review) | <b>Start of Finals</b>             | <b>Final Exam 12:00 pm</b> |
| May 9    |                          |   | <b>End of Finals</b>        |                                    |                            |

Unit 1 – Oscillations: Chapters 14 to 16

Unit 2 – Optics: Chapters 17 to 19

Unit 3 – Electrostatics {E-field, capacitance and direct current (DC)}: Chapters 20 to 23

Unit 4 – Electrodynamics {magnetism and alternating current (AC) circuits}: Chapters 24 to 26