

PHYS S102 – Survey of Physics

Upon successful completion of this course, students will be able to:

1. Identify and describe fundamental concepts from physics including matter, motion, energy, heat, light and sound.
2. Apply physics concepts to describe observations of the natural world
3. Describe how society views and influences science
4. Use algebra to solve quantitative physics problems
5. Use the scientific method to conduct basic experiments on physical systems

PHYS S103 – College Physics I

Upon successful completion of this course, students will be able to:

1. Describe basic physics principles, including motion, energy, waves, and thermodynamics
2. Solve analytical problems using trigonometry and basic physics principles
3. Test basic physics principles through experimentation and computer analysis of laboratory data

PHYS S104 – College Physics II

Upon successful completion of this course, students will be able to:

1. Describe basic physics principles, including optics, electricity, and magnetism
2. Solve analytical problems using trigonometry and basic physics principles
3. Test basic physics principles through experimentation and computer analysis of laboratory data

PHYS S211 – General Physics I

Upon successful completion of this course, students will be able to:

1. Describe basic physics principles, including motion, energy, waves, and thermodynamics
2. Solve analytical problems using calculus and basic physics principles
3. Test basic physics principles through experimentation and computer analysis of laboratory data

PHYS S212 – General Physics II

Upon successful completion of this course, students will be able to:

1. Describe basic physics principles, including optics, electricity, and magnetism
2. Solve analytical problems using calculus and basic physics principles
3. Test basic physics principles through experimentation and computer analysis of laboratory data