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LaGrange College

Course Catalog - Physics

PHYS 1101 - Introductory Physics I

A non-calculus-based introduction to kinematics, dynamics, energy, momentum, rotational dynamics, fluid mechanics, periodic motion, wave mechanics, and thermodynamics. Physics is a science of measurement, testing, and experimentation— inquiry-based laboratories make physics come to life!

Grade Basis: L

Credit hours: 4.0

Lecture hours: 3.0

Lab hours: 3.0

Prerequisites:

- [MATH 1221](#) - Precalculus
-

PHYS 1102 - Introductory Physics II

A continuation of PHYS 1101 and an introduction to electricity and magnetism, electric circuits, and light and optics. Physics is a science of measurement, testing, and experimentation— inquiry-based laboratories make physics come to life!

Grade Basis: L

Credit hours: 4.0

Lecture hours: 3.0

Lab hours: 3.0

Prerequisites:

- [PHYS 1101](#) - Introductory Physics I

Restrictions:

- Offered in Spring terms
-

PHYS 2121 - General Physics I

A calculus-based introduction to dynamics, energy, momentum, rotational dynamics, fluid mechanics, periodic motion, wave mechanics, and thermodynamics. Physics is a science of measurement, testing, and experimentation—inquiry-based laboratories make physics come to life!

Grade Basis: L

Credit hours: 4.0

Lecture hours: 3.0

Lab hours: 3.0

Restrictions:

- MATH2222 must be Prerequisite or Corequisite
 - Offered in Fall terms
-

PHYS 2122 - General Physics II

A continuation of PHYS 2121, covering electricity and magnetism, electric circuits, and light and optics. Physics is a science of measurement, testing, and experimentation—inquiry-based laboratories make physics come to life!

Grade Basis: L

Credit hours: 4.0

Lecture hours: 3.0

Lab hours: 1.0

Prerequisites:

- [PHYS 2121](#) - General Physics I

Restrictions:

- Offered in Spring terms
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LaGrange College

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