

Course: PHY 100
Credit Hours: 4
Prerequisite: None

Course Title: Survey of Physics with Laboratory
Department: Physics, Astronomy, & Materials Science

CORE-42 Category: NATURAL SCIENCES - Physics: Essentials in Physics with Lab
MOTR PHYS 100L **MOTR Hours:** 4

Information submitted by a department representative on 4/30/2021 3:32:29 PM – Compiled by Darren Wienberg, Academic Advising & Transfer Center

Typically Offered During:

Fall Full Semester:	YES	Fall 1 st Block:	NO	Fall 2 nd Block:	NO
Spring Full Semester:	NO	Spring 1 st Block:	NO	Spring 2 nd Block:	NO
Summer:	NO				

Typical Instructional Modality:

Traditional (seated):	YES	Blended:	NO	Internet:	YES
Online Video:	NO	Web Conference:	NO		

May Also Count Toward Department Offering:

Major:	NO	Minor:	NO	Certificate:	NO
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Please see online published semester class schedule and undergraduate catalog for detailed course offering information.

How do you describe the course to students when they ask “What is this class about?” (Without using the catalog description)?

PHY100 describes answers to questions people have asked since antiquity. The questions are about the natural world around us – everything we can see experience, and measure. During the course, we will measure something important in our lives over the course of the semester. The answers to the grand questions logically tie together to explain the world around us. If a physics course with more problem-solving and mathematics are desired, see PHY123 and PHY203.

Beyond meeting a General Education requirement, what benefits can students realize from choosing this course?

We will see that the study of things related to physics has a long history and that our understanding of physics has evolved over time. We will gain insight into the portions of our own lives that will be measured and monitored throughout the semester. The overall study will help us to better understand the modern world around us.

Other than your major/minor/certificate students, what groups of students could find this course relevant to their degree program or career path?

All students who need a general education science course but do not need to explicitly apply science in their degree program or career path will find aspects of this course relevant. Students have come from the colleges of: Agriculture, Arts & Letters, Business, Education, Health and Human Services, Humanities and Public Affairs, and Undeclared.

Catalog Description (Fall 2022 Undergraduate Catalog)

Description of nature as seen by physicists; effects this description and new scientific discoveries will have on society. Laboratories consist of discussions of current relations between science and society, demonstration of precise experimental apparatus, some actual involvement with the experimental method.