

Spokane Falls Community College
COURSE LEARNING OUTCOMES

Prefix and Course Number:	PHYS 201
Course Title:	Engineering Physics I
Version Date:	03/31/2020

Course Learning Outcomes

Upon successful completion of the course, the student will be able to:

1. State the fundamental assumptions of Kinematics, Dynamics, Gravity, Momentum, Energy, and Rotational Physics.
2. Identify several historical scientists who contributed to these fields and name their main discoveries.
3. Correlate these physics principles to how they are used in modern technology and other aspects of everyday life.
4. Apply these principles to solve complex calculus-based physics problems.
5. Conduct laboratory experiments by recording observations, analyzing data, and explaining the results.
6. Apply critical thinking skills and quantitative analysis to problem solving and laboratory experiments.
7. Connect science with other academic and vocational subjects and disciplines.