

**Spokane Falls Community College**  
**COURSE LEARNING OUTCOMES**

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<b>Prefix and Course Number:</b>	<b>BIOL 107</b>
<b>Course Title:</b>	<b>Dinosaur Paleontology</b>
<b>Version Date:</b>	<b>01/22/2020</b>

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**Course Learning Outcomes**

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

1. Demonstrate understanding of vocabulary specific to dinosaur paleontology, and detail early historical development of dinosaur paleontology.
2. Demonstrate understanding of the need for quantitative dating of fossils, sedimentary strata, comparative measurements for classification, judging hypothetical speeds based on skeletal and trackway information.
3. Demonstrate knowledge of the basic sedimentary environments, the chemical and physical factors, and recent theories of plate tectonics that influence fossilization, taphonomy, and where dinosaurs are found.
4. Demonstrate the location and names of the anatomical skeletal elements of the five major groups of dinosaurs.
5. Demonstrate understanding of hypothetical physiology, behavior, and origin based on extant taxa comparison.
6. Demonstrate basic understanding of cladistics, taxonomy, and Darwinian speciation, as it applies to dinosaur paleontology.
7. Demonstrate basic understanding of ecology and its influence on dinosaur paleontology.