

Yavapai College Criteria Checklist for
PHYSICAL AND BIOLOGICAL SCIENCES GENERAL EDUCATION COURSES

Purpose

Scientific literacy is critical for sound decisions on scientifically infused issues such as immunizations, disease processes, climate change and more. Understanding basic science concepts, such as the ability to utilize scientific method, is critical for many areas of life. It also includes the understanding that “science” is not an encyclopedic collection of facts. Rather, it is a process of exploration that embraces curiosity, inquiry, testing and communication, to reduce uncertainty about nature. Absent understanding of scientific concepts and of the nature of science, science and pseudoscience are difficult to distinguish, and normal scientific disagreements may be misinterpreted as ideological or political disputes. The goal of the physical and biological sciences requirement at Yavapai College is to instill understanding of basic science content and of the nature of science in every degree-seeking graduate.

Instructions: Proposer should complete the following section and attach appropriate documentation.

PHYSICAL AND BIOLOGICAL SCIENCE COURSES must meet the criteria below in such a way as to make the satisfaction of these criteria A CENTRAL AND SUBSTANTIAL PORTION of the course content.			
Y	N		Identify Documentation
		Concerns topics of an introductory nature.	
		Emphasizes the comprehension and use of basic scientific principles, concepts and approaches.	
		Introduces the use of interpretation of scientific information in a variety of formats.	
		Ensures students use scientifically based content to support arguments or discussion.	
		Ensures students are exposed to laboratory and or field related components throughout the course.	
PHYSICAL AND BIOLOGICAL SCIENCE COURSES must meet at least one of the two following transferability criteria. Scheduling priority may be given to courses that transfer to more than one university with a general education category designation.			
		Must transfer to at least one University as a general education category and to at least one other University as a department elective.	

If a course does not meet all criteria, a rationale for exclusion should be provided below: