

Course Outcomes: BIOL 111

Finding Things Out In Life Science

The following are working course outcomes. These outcomes will be reviewed by the NWIC Curriculum Committee during the curricular review process in 2017 with the intent of creating and approving course outcomes.

At the completion of this course students will be able to describe regulation, structure and function, heritable information, and evolution of biological systems.

Students should also be able to answer these essential questions:

- Why do some disease outbreaks occur in certain parts of the world, but not others?
- How did smallpox epidemics affect the indigenous peoples of the Americas?
- How do invasive species affect NW crops and farms?
- How does population adaptation and natural selection lead to the evolution of resistant organisms?
- How do drugs affect cellular processes of active transport, osmosis, diffusion, neurotransmitter reuptake, and membrane permeability, and thus communication between neurons?
- How are genetic diseases inheritable?