Course # BIOL 102 General Biology 2
Credit Hours: 3
Scheduled hours per week
Lecture: 3
Lab: 0

Catalog Course Description: An application of basic biological principles to living organisms. Systematics and its application to the 3 Domains: Archaea, Bacteria, and Eukarya, including a survey of their structure and function in relation to evolutionary principles.

Pre-requisites: BIOL 101 or BIOL 115

Co-requisites: BIOL 104

Course Learning Outcomes (CLO):

- Knowledge of basic principles of taxonomy and systematics.
- Ability to interpret simple cladograms.
- Ability to classify representative organisms into proper domain or kingdom.
- Recognition of basic differences between prokaryotic and eukaryotic organisms, viruses.
- Recognition of identifying characteristics of each eukaryotic kingdom, phylum, and class studied.
- Ability to explain the significant features and functions of all tissues, organs, and organ systems studied.
- Comparison of tissues, organs, or organ systems of designated species.

CLO Assessment Methods:

Direct: Exams, quizzes, written papers, projects

Indirect Methods: Course Evaluations

Topics to be studied:
- Principles of evolution
- Classification systems
- Overview of prokaryotic and eukaryotic organisms, viruses
- Basic anatomy and physiology of representative organisms of the main eukaryotic kingdoms

Relationship of Course to Program Learning Outcomes (PLO) or Institutional Learning Outcomes:
Check if approved as: ☒ Foundational Learning Course □ Reinforcement Learning Course

Special requirements of the course:

N/A

Additional information:

N/A

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