

Course Syllabus

Course Description

This class will explore and study the definition of life and the processes of life. The main unifying themes include a detailed study of the basic cellular structures and processes of living organisms, as well as detailed investigation of plants and animals, along with their relationship to the environment. Laboratory dissection and fieldwork is required. Careful consideration is given to the creation-evolution debate, as the theories of evolution are compared to the biblical account of the origin of life.

Curricular Rationale

This course will continue to increase appreciation and love for God as creator through study of His intricate design of life. The basic methods of scientific study and research will be developed more thoroughly. Students will learn extensive biological vocabulary and processes.

Course Objective

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

1. Select the problem, hypothesis, data, control, and conclusion of an experiment using a lab format.
2. Recognize and classify living organisms according to their external characteristics and demonstrate in both oral and written responses.
3. Compare the structures and functions of living organisms in a lab setting.
4. Describe the body systems of the organisms using the frog dissection and other dissections.
5. Develop their psychomotor skills in laboratory exercises.
6. Care for and operate the compound microscope through a variety of lab exercises.
7. Make slide preparations properly.
8. Develop dissecting skills through the use of varied preserved specimens.

Text

McDougal *Litell Biology California Edition*, Houghton Mifflin Company 2008; ISBN: 0618725705

[Students may borrow this textbook from the instructor during summer]

McDougal *Litell Biology Study Guide*, Houghton Mifflin Company; ISBN: 0618725601

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Course Outline

Unit 1 Introducing Biology

Unit2 Cells

Unit3 Genetics

Unit4 Evolution

Unit 5 Ecology

Unit 6 Classification and Diversity

Unit 7 Plants

Unit 8 Animals

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Richard Bailey

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the name Richard Bailey.

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Engineering News and American Contract Journal ,1932 **The Landman** ,1989 **Monthly Weather Review** ,1990 Selected Water Resources Abstracts ,1990-07 **In Vitro Fertilization** Zsolt Peter Nagy,Alex C. Varghese,Ashok Agarwal,2019-07-03 Now in its revised and expanded second edition including over 20 new chapters this comprehensive textbook remains a unique and accessible description of the current and developing diagnostic and treatment techniques and technologies comprising in vitro fertilization IVF Arranged thematically in sections each chapter covers a key topic in IVF in a sensible presentation Parts one and two describe the planning design and organization of an ART unit and IVF laboratory and equipment and systems respectively The sections that follow provide detailed descriptions of IVF techniques embryo culture methods sperm processing and selection insemination procedures micromanipulation embryo evaluation cryopreservation and embryo transfer Concluding sections address issues of management and regulation of ART labs across the globe as well as special topics and emerging techniques and devices Chapter authors all experts in the field contribute their expertise from around the world With the addition of learning key points and review questions at the beginning and end of each chapter this new edition of In Vitro Fertilization is a readily accessible high quality instructional resource for reproductive medicine trainees at all levels Practicing reproductive endocrinologists urologists and embryologists also will find value in the book as will infertility researchers **Nuclear Science Abstracts** ,1966 **Army, Navy, Air Force Journal & Register** ,1947 *Energy Research Abstracts* ,1987 **American Agriculturist** ,1908 **Flying Magazine** ,1996-02 **The Ohio Farmer** ,1921 *South Dakota Educator* ,1913 **The Christian Union** ,1889 *The United States Army and Navy Journal and Gazette of the Regular and Volunteer Forces* ,1888 The Congressional Globe United States. Congress,1836 **LIFE** ,1964-08-14 LIFE Magazine is the treasured photographic magazine that chronicled the 20th Century It now lives on at LIFE com the largest most amazing collection of professional photography on the internet Users can browse search and view photos of today s people and events They have free access to share print and post images for personal use Outlook Alfred Emanuel Smith,Francis Walton,1889 *Municipal and County Engineering* ,1919 **Register of Debates in Congress** United States. Congress,1828 **Youth's Companion** ,1894

Whispering the Techniques of Language: An Psychological Quest through **Laf Sop Agreement Form**

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