

COURSE SYLLABUS
EDEL 1430 Life Science in the Elementary School

1. COURSE INFORMATION

³⁵₁₇ EDEL 1430 40 and EDEL 1430 90
³⁵₁₇ Life Science in the Elementary School
³⁵₁₇ 1.0 credit hour
³⁵₁₇ Fall 2013

2. INSTRUCTOR INFORMATION

³⁵₁₇ Instructor: Tina Christinck
³⁵₁₇ Email: tchristinck@ewcmail.wy.edu
³⁵₁₇ Phone: 307-322-5628 (home), 307-331-8045 (cellular, no service at my house)
³⁵₁₇ Office Hours: By appointment

3. COURSE CONTENT INFORMATION

³⁵₁₇ Catalog Description: Covers selection of basic life science concepts, materials, and curricula appropriate for elementary school. This course parallels the content of Biology 1000 or 1010 and previous or concurrent enrollment is ideal, but not required.

³⁵₁₇ Course Rationale: EDEL 1430 will be a link between a college biology course and what the prospective teacher will teach elementary students about life sciences. This course will give direction to the prospective teacher on how to organize and conduct meaningful science experiences for elementary students.

³⁵₁₇ Course objectives :

- Scientific Method: Students will be able to use the scientific method as a process for inquiry and solving various scientific problems.
- Ecology: Students will be familiar with basic terminology and components of an ecosystem, with a focus on Wyoming ecosystems.
- Organization of Living Organisms: Students will be able to identify the basic components and characteristics of living things and provide examples of these.
- Reproduction and Heredity: Students will be able to identify and describe simple patterns of inheritance and identify the role of DNA in inheritance.
- Taxonomy: Students will learn how to identify and classify different types of organisms.
- Evolution and Origin of Life: Students will be able to describe the history of living organisms based on the geological time scale. Students will be able to identify examples of adaptive characteristics which are a result of evolution.
- History of Science: Students will be able to describe the important discoveries made by scientists throughout history.

³⁵₁₇ Resources to be used include:

- Lancernet: https://prod.campuscruiser.com/q?pg=home_welcomeRedirected
- McGraw-Hill's Access Science: www.accessscience.com
 - ³⁵₁₇ Username: ewclibrary
 - ³⁵₁₇ Password: Lib123\$
- EWC Library Databases: <http://ewc.wy.edu/services/library/menu.cfm>

- A standard grading scale will be used so:

A = 90-100%	or	211.5-235	points
B = 80-89.5%	or	188-211.5	points
C = 70-79.5%	or	164.5-188	points
D = 60-69.5%	or	141-164.5	points
F = Below 60% or		Below 141	points

○ Policies and Expectations

- Exhibit positive attitude towards science and topics that lie within this course.
- Proper grammar and spelling count on all assignments in this course, including discussions. When you become a teacher you will need to model proper grammar and spelling for students, so now is a great time to start practicing this! Points will be deducted for grammar errors and spelling mistakes!
- Late work will **NOT** be accepted in this course.
- Any form of academic dishonesty will NOT be tolerated. This includes cheating on assignments and plagiarism. Plagiarism is copying or using the ideas of another individual without giving that individual proper credit. This does include copying work from other students. If it is obvious that a student has violated any of the above, all students involved will receive 0 credit for the assignment or the quiz. The matter may also be submitted to the Dean of Students for further action.
- Carefully read and follow any safety procedures for the activities you will complete.

5. **GENERAL EDUCATION REQUIREMENTS**

³⁵₁₇ **Communication Skills:** Graduates will be able to understand and communicate ideas and information in written and spoken English that reveals a mastery of terminology appropriate to their disciplines.

³⁵₁₇ **Analytical and Quantitative Reasoning:** Graduates will be able to solve problems through critical thinking involving analytical and quantitative reasoning at a level appropriate to their disciplines.

³⁵₁₇ **Technology Skills:** Graduates will be able to demonstrate competence using technology appropriate to their disciplines.

³⁵₁₇ **Social Awareness:** Graduates will be able to demonstrate an awareness of the relationship between the individual and the world.

³⁵₁₇ **Information Literacy:** Graduates will be able to locate, evaluate, and use information effectively.

6. **ACCOMMODATION STATEMENT**

ADA Accommodations:

³⁵₁₇ Eastern Wyoming College is committed to providing reasonable accommodations for qualified individuals with disabilities. If a student has a disability and desires a reasonable accommodation for such disability, the student should contact Mrs. Debra Ochsner (532-8238) or Mr. Tom McDowell (532-8330) as soon as possible so that arrangements may be made.

7. **DISCLAIMER STATEMENT**

³⁵₁₇ Information contained in this syllabus is, to the best knowledge of the instructor, correct and complete when distributed for use at the beginning of the course. However, this syllabus should not be considered a contract between Eastern Wyoming College and the student. The instructor reserves the right, acting within the policies and procedures of EWC, to make changes in course materials and course schedules.