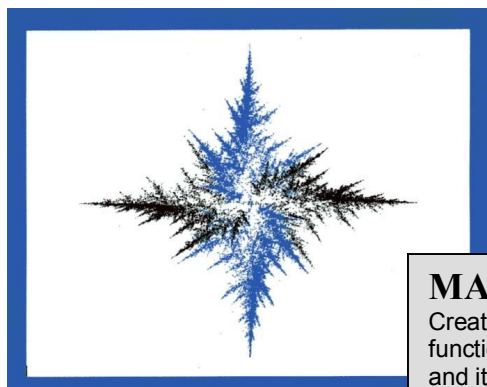


# science, math, & technology

*Selected EOU courses for Fall 2007*



Fractal image by EOU student Tyler Davis.

## **GEOL 201: Physical Geology**

Learn to be a geologist! Collect rocks and fossils and figure out the amazing geologic history of the Wallowa Mountains!

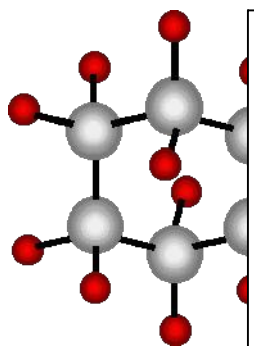
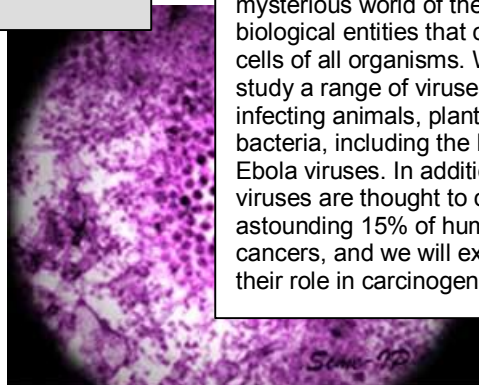


## **MATH 261 & 262: Linear Algebra**

Create beautiful fractal designs using eigenvalues, functional mappings, recursion formulas, probability, and iterated function systems on computer algebra applications.

## **BIOL 410: Virology**

This class will explore the mysterious world of the viruses, biological entities that co-opt the cells of all organisms. We will study a range of viruses infecting animals, plants, and bacteria, including the HIV and Ebola viruses. In addition, viruses are thought to cause an astounding 15% of human cancers, and we will explore their role in carcinogenesis.



## **CHEM 334: Organic Chemistry I**

A course for science majors in Chemistry, Biochemistry, and Biology, and non-science pre-health professional majors who need greater depth of carbon chemistry concepts to prepare for standardized entrance exams. Topics include prediction of carbon structural stability, prediction of carbon reaction products, detailed descriptions of carbon reaction mechanisms, and understanding the three dimensional nature of carbon compounds.

## **PSY 223: Introduction to Laboratory Methods in Psychology**

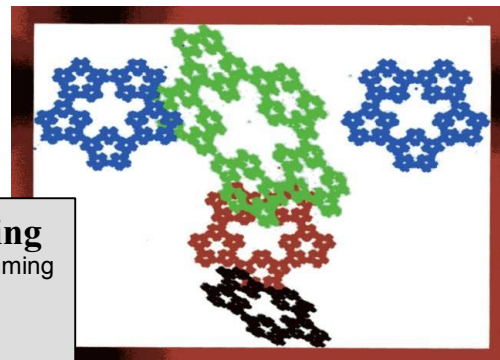
This course, required of all Psychology majors who did not have a laboratory component in General Psychology, introduces basic methods for experimental research.

## **PSY 222: Writing in Psychology**

This course, required of all Psychology majors, emphasizes the writing skills needed for various types of papers in psychology.

## **GEOL 311: Mineralogy**

Dive into the beautiful and amazing world of minerals in more depth than you thought possible!



Fractal image by EOU student Eric Lower.



## **CS 221: C/C++ Programming**

Introduction to the most popular programming languages for applications development, designed for speed and efficiency.

## **CHEM 401: Research**

Are you a science major (sophomore through senior) with an interest in performing cutting-edge research? Want to impress future employers/graduate schools with your advanced laboratory expertise and presentation skills?

If so, then CHEM 401 (Research) could be the course for you.

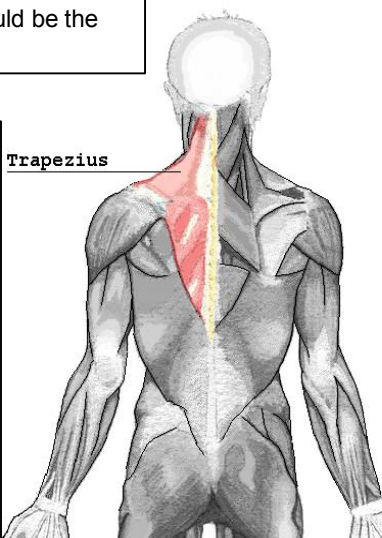
## **CS 321: Computing Theory**

Examination of Formal Languages and automata, and the basis that these bodies of theory provide for designing programming languages and translators, among other applications.

## **BIOL 231: Human Anatomy & Physiology**

A course giving the health-oriented pre-professional student a look at the parts and inner workings of the incredible biological machine we call the human body. You will find that the textbook is really the "Owner's Manual" for the machine you drive every day of your life! And you'll get hands-on exploration of organ and body systems with cat dissection in laboratory.

Trapezius



## **CHEM 204 and 204L: General Chemistry and Laboratory**

A course to prepare science majors in Chemistry, Biochemistry, Biology, and Physics, science minors, such as Environmental Chemistry and Geology, and non-science majors who desire greater depth of chemistry concepts than the Introduction to Chemistry series affords. Explore topics including the physical material of the universe, atomic structure, and electron organization of the elements, and conduct state of the art computer interfaced laboratory experiments!

