**GLG 1129/1130**

**EARTH SCIENCE**

**FALL 2015**

**CLARK STATE COMMUNITY COLLEGE**

**SPRINGFIELD, OHIO**

**Tuesday and Thursdays: 8:00 am – 9:25 am lecture**

**Tuesday: 10:00 am – 11:50 am lab**

**Room R 231**

**3/4 credit hours**

**INSTRUCTOR: DAVID W. MILLER, PH.D**

**OFFICE PHONE 328-3861**

**millerda@clarkstate.edu**

**REQUIRED TEXT**

**Foundations of Earth Science**

#### Lutgens and Tarbuck

#### Lab Manual in Physical Geology

#### AGI, Busch Editor

**Sold Bundled together for cost savings**

**\* Mineral Test Kit**

**August 25** Course Introduction

**August 27**  Climate Change

**September 1**  Climate Chance

**September 3** Climate Change

**September 8** Climate Change

**September 10** Climate Change

**September 15 Exam #1**

**September 17** Chapter #3, Landscapes Fashioned By Water

**September 22** Chapter #4, Glacial and Arid Landscapes

**September 24** Chapter #5, Plate Tectonics

**September 29** Chapter #6, Restless Earth

**October 1** Chapter #6, Restless Earth

**October 6 Exam #2**

**October 8** Chapter #7, Fires Within

**October 13** Chapter #8, Geological Time

**October 15** Chapter #8, Geological Time

**October 20** Chapter #9, The Global Ocean

### October 22 Exam #3

**October 27** Chapter #10, Restless Ocean

### October 29 Chapter #11, Heating the Atmosphere

### November 3 Chapter #12, Clouds and Precipitation

### November 5 Chapter #12, Clouds and Precipitation

### November 10 Exam #4

**November 12** Chapter #13, Atmosphere in Motion

**November 17** **Poster Presentation**

**November 19** Chapter #14, Weather Patterns and Severe Weather

### November 24 Chapter #15, The Nature of the Solar System

**November 26 No Class, Thanksgiving Holiday**

**December 1** Chapter #15, The Nature of the Solar System

**December 3** Chapter #16, Beyond the Solar System

**December 7** Chapter #16, Beyond the Solar System

**December 10 Exam #5**

EXAMINATIONS:

 There will be a total of five (5) exams during the term worth 60% of your final grade. Exams will consist of essays and drawings type questions.

MAKE UP EXAM POLICY:

 There are no make up exams given unless prior approval is given by the instructor.

LAB REQUIREMENT for GLG 1130 students only):

 Lab counts as 20% of your grade (5-6 exams). For assignments, see lab handout.

JOURNAL REQUIREMENT:

 Each student is required to keep a journal which will be reviewed during the last week of class. The journal consists of, but not limited to, class and reading notes along with questions concerning the earth science concepts you are having trouble with. This is 5% of your total grade.

WRITING ASSIGNMENT AND POSTER PRESENTATION:

 Research paper will be worth 10% of your total grade for the course and must be received by November 17, 2015, 9:00 am . Early papers are accepted and encouraged.

1. The body of the paper will consist of 5 pages in length, no more, no less. All of your sources must be documented for full credit.
2. The poster will consist but not limited to charts, data, diagrams or pictures to support your paper topic. Poster Board is available for purchase in the bookstore.
3. Your research paper may have up to one half page of pictures, graphs, or illustrations.
4. Double spaced, 1 inch margin and a reasonable font size (12).
5. APA reference format required, see handout. Your paper must cite all sources used, have a cover sheet, abstract, and a reference section. Keep your editorials to the final paragraph of your work.
6. Papers must be word processed, no hand written copies will be accepted. Topics for your paper must deal with Earth Sciences issues covered this term and be pre-approved by the instructor.
7. A minimum of 4 references are required.
8. Students must use their textbook as a source.
9. References must be current, within the last 10 years.
10. Students are encouraged to use local libraries/Ohio Link for obtaining information.

1. A 2 point per day will be assessed for late papers.

NEWS REPORTS

 Each student will be required to obtain and present to the class, four news reports from the media that deal with the Earth sciences. News must be current, no more then 1 week old. A two page word processed write-up and a copy of the article must be turned in for full credit. Each report is worth 2.5% of your total grade. Late reports will be penalized.

ACADEMIC ASSISTANCE:

 Academic assistance is always available from the instructor or class tutor by appointment.

GRADING SCALE:

 90-100 A

 89-80 B

 79-70 C

 69-60 D

 GLG 129

Your grade is figured: 5 exams 60% 75%

 Lab Exam 20% 0%

 Journal 05%

 Paper 10%

 News reports 5%

 100%

LECTURE AND LAB EXERCISES:

 Lecture and lab exercises are designed to allow learners to create and design certain components of the investigation. Investigations should be completed in a collaborative effort with your group, with all members contributing to the finished report.

GRADING STANDARDS

 Grade of A is reserved for excellent work which is characterized by: a) clear and subtle comprehension of reading and concepts; b) critical thinking and creativity; c) and polished writing skills. Grade B is assigned to work which is strong in at least two of the three qualities noted above. Grade C is assigned for work which is competent in reading comprehension and writing skill.

##### ATTENDANCE POLICY

 Irregular attendance and/or consistent tardiness will result in a recommendation for withdrawal from the course. Prompt and regular attendance is important to the students’ academic success. It is the responsibility of the student to attend all class sessions. If for medical or other valid reasons a student misses a class, it is the students’ responsibility to contact the instructor immediately upon returning to arrange a procedure for maintaining continuity in the course.

TEXTBOOK RESPONSIBILITY

Each student must have their own copy of the required text.

ELECTRONIC COMMUNICATION POLICY

 It is requested of students while in the classroom that all electronic communication equipment turned off as not to disrupt the educational classroom environment.

EXTRA CREDIT

 Extra credit is available for this course which is worth ¼ of a letter grade. Choose one of the following with instructor approval.

-15 hours of Community Service, see instructor for details

-6 extra pages on paper. Must be exactly 6 pages, no more …no less.

The above schedule and procedures are subject to change due to extenuating circumstances. Enjoy the course..!!!!.................................