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GEOLOGY 104—HISTORICAL GEOLOGY ONLINE

COURSE OUTLINE AND SYLLABUS

Spring Term, 2014

INSTRUCTOR: Dick Ehrman

PHONE: Cell: 429-1327 (if no answer leave message on machine).

E-MAIL: richard.ehrman@doane.edu (Note: I may not check my e-mail every day, so if your e-mail is particularly important, it may be a good idea to contact me by phone as well.)

NOTE: As per Doane policy, you MUST submit ALL coursework for a grade in online courses via your Doane email account or through Blackboard. Since much of the communication in this class will take place via email, please make sure that your Doane account is activated and functioning before beginning this class.

MEETING TIME: ONLINE CLASS; no regular class meetings.

INITIAL ORGANIZATIONAL MEETING: Monday, March 17, 2014 from about 6:00-9:00 PM. If students and/or the class as a whole desire, we can schedule more “formal” class meetings either on assigned weeknights or Saturday mornings. The Spring term runs from March 17-May 17.

“OFFICE”: Of course, I don’t have an assigned office space, but if you need to see me in person, I am normally at Doane-Lincoln on scheduled class evenings by about 4:30 PM in either Room 303 or 305, and I normally have lab or am working on Saturday mornings from 8:30 AM to about noon, again usually in Room 303 or 305. Feel free to stop by and visit me at either of these times, otherwise, specific appointments can be scheduled.


Carlson, Marvin P. 1993. *Geology, Geologic Time and Nebraska* (University of Nebraska-Lincoln Conservation and Survey Division Educational Circular #10). 60 p. (This is provided on a checkout basis and will be furnished to you at the organizational meeting or within the first few weeks of class.)

WEBSITES: In addition to the resources listed above, the internet is a nearly endless source of geological information about almost any subject. Simply go to your favorite search engine and type in "geology" or whatever topic you’re interested in and you’ll come up with dozens of sites to explore.
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Your assignments will include links to a lot of great websites, but here are some of my favorite general geology sites to get you started:

Earth Science on the Web:  www.geology.com
About Geology:  http://geology.about.com

CLASS SCHEDULE

As already specified, this is an online class and as such there is no “schedule” per se w/ lectures, class meetings, tests, etc. However, rather than dump all of the material on you up front, I plan to provide you with assignments on pertinent topics on a more-or-less weekly basis throughout the term. An approximate schedule follows—it is provided more as a guide so you can keep up with your text reading and online work than anything else. You can vary your schedule at your own discretion, but just remember that all “weekly” Assignments 1-7 and the short essay exam are due on the specified dates if you wish to have me give you feedback; your remaining work (lab exams, multiple choice exam) is due by the end of the term (i.e. Saturday of Week 9).

REMEMBER: There are FOUR (4) required activities for this class:
1. The seven (7) weekly assignments;
2. The short essay exam;
3. The multiple choice exam; and
4. The four (4) lab exams.

These assignments and instructions will be emailed to your Doane address within 24 hours of the organizational meeting. They will also be posted, along with additional supporting material, on Doane’s Blackboard site; instructions for accessing this material will be provided at the organizational meeting.

You may also do extra credit work as outlined in the course description. ALL COURSEWORK (the 4 required activities and any extra credit work) is due by the end of the term. IF YOU DO NOT TURN IN ALL REQUIRED WORK BY THE END OF THE TERM, YOU WILL ONLY RECEIVE THE POINTS EARNED ON THOSE ASSIGNMENTS TURNED IN.

IMPORTANT NOTE FOR GRADUATING SENIORS:
If you are graduating in May 2014, your grades will be due sometime before May 17 so your final GPA can be calculated, your class standing can be determined, and you can graduate. Therefore, if you are graduating, your classwork will be due several days before May 17, but as of this writing that deadline has not been determined. When I know what the due date is, I will let you know, and we will arrange for your work to be completed by the appropriate deadline.

SCHEDULE (suggested; you can complete your assignments at your own pace)

CLASS SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
<th>Readings</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Introduction &amp; Scientific Method</td>
<td>Spooner, Ch. 1-2</td>
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<tr>
<td>(Mar. 22)</td>
<td>History of Geology</td>
<td>Spooner, Ch. 3</td>
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<td>Assignment 1</td>
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### Week 2
(Mar. 29)
- **Rocks (especially sedimentary!):** Spooner, Ch. 7 (esp. p. 87-98)
- **Plate Tectonics:** Spooner, Ch. 8-10

**Assignment 2**
**Lab Quiz #1**

### Week 3
(Apr. 5)
- **Geologic Time:** Spooner, Ch. 16
- **Evolution, Fossils, and Preservation:** Spooner, Ch. 17

**Assignment 3**
**Lab Quiz #2**

**ASSIGNMENTS 1-3 DUE FOR COMMENT!!!**

### Week 4
(Apr. 12)
- **The Precambrian:** Spooner, Ch. 18
  - **Assignment 4**

### Week 5
(Apr. 19)
- **The Paleozoic:** Spooner, Ch. 19
  - **Assignment 5**
  - **Lab Quiz #3**

### Week 6
(Apr. 26)
- **The Mesozoic:** Spooner, Ch. 20
  - **Assignment 6**

### Week 7
(May 3)
- **The Cenozoic:** Spooner, Ch. 21
  - **What’s Next & Why?** Spooner, Ch. 22
  - **Assignment 7**
  - **Lab Quiz #4**

**ASSIGNMENTS 4-7 AND SHORT ESSAY EXAM DUE FOR COMMENT!!!**

### Weeks 8-9
(May 10-17)
- **Revise assignments**
- **Complete lab assignments/exams (if not already done)**
- **Complete multiple choice exam**
- **Course evaluation**

**MULTIPLE CHOICE EXAM, LAB EXAMS, AND ALL REMAINING WORK DUE NO LATER THAN MAY 17 (earlier for graduating seniors)!!**

*REMEMBER* that you need to turn in all 4 required activities (the 7 weekly assignments, the essay exam, the multiple choice exam AND the 4 lab exams), AS WELL AS YOUR LAB MATERIALS!!!