Lecture Outline-

1. Rock-Forming Minerals and Rocks ................................................................. Chapter 2
2. Earth History as a System .................................................................................. Chapter 1
3. Correlation and Dating of the Rock Record ...................................................... Chapter 6
4. Sedimentary Environments ................................................................................ Chapter 5
5. The Fossil Record ................................................................................................ Chapter 7
6. Earth Structure and Plate Tectonics ................................................................. Chapter 8
7. Continental Tectonics and Mountain Chains .................................................... Chapter 9

TEST #1

Archean: The First Two Billion Years ................................................................. Chapter 11
Proterozoic Eon ..................................................................................................... Chapter 12

TEST #2

The Early Paleozoic World .................................................................................. Chapters 13
The Middle Paleozoic World ................................................................................. Chapters 14
The Late Paleozoic World .................................................................................... Chapters 15

TEST #3

The Early Mesozoic Era ....................................................................................... Chapter 16
The Cretaceous World .......................................................................................... Chapter 17
The Paleogene World ........................................................................................... Chapter 18
The Neogene World .............................................................................................. Chapter 19
The Holocene World ............................................................................................ Chapter 20

COMPREHENSIVE FINAL 8:00-10:30, December 9, 2014

Instructor: Dr. Randy L. Kath, P.G.
Office: Room G 8, Geosciences Department (Callaway Building); 678-839-4063; rkath@westga.edu
Office Hours: Monday: 9:00-12:00; Tuesday: 3:30-5:00; Wednesday: 11:00-1:00; Friday by appointment
Textbook: Earth System History, by Steven Stanley (3rd edition)

Note: no videotaping or audio recording of the course content is allowed without written permission

1 This topic will not be covered on the first Exam.
**Goals:** The primary goal of Historical Geology is to provide the student with an opportunity to understand the origin and evolution of the Earth and its environment and how the Earth impacts our everyday lives and how we impact the Earth. In fulfilling this understanding students will learn about the Evolution of the Universe, Solar System, Earth and Moon; Crustal Evolution; Geologic Time; and Plate Tectonics.

**Exams:** There are four multiple-choice exams during the duration of the semester. Three of the exams will be held during the semester and the final exam will be held during finals week. Each lecture exam will count for 100 points for a combined total of 400 points. Exam 2, 3, and 4 will contain extra credit questions from previous exam material. The comprehensive final will contain approximately 50 questions from material covered since the last exam, plus comprehensive extra credit questions from the entire semester. There are no make-ups for unexcused missed exams; therefore, if you need to miss an exam make sure that you inform me ahead of time. If you miss the first exam, you will be withdrawn from the course.

**Attendance Policy:** The University has no written attendance policy. It is my feeling that you are adults and have paid for this course. Because of this, I will be in class during our regularly scheduled time and expect the same of each student. Also, I expect you to be on time! I realize that there are extenuating circumstances that our out of all of our control; however, we can greatly reduce these with a little planning. Each student is expected to attend all classes, be punctual, and be prepared by appropriate study for class lectures and discussions.

**Cheating/Plagiarism:** Section 207 of the faculty handbook states “Improper academic conduct on the part of the student shall be interpreted to mean the obtaining and using of information during an examination by means other than those permitted by the instructor, including the supplying of such information to other students. Improper academic conduct shall also include plagiarism, i.e., the purchase and use of ghost-written papers and reports, or incorporating into a report, term theme, research paper, or project, ideas and information obtained from another person without giving credit to the person from whom such information was obtained. Further, inclusion of the published or unpublished writings of another person without duly noting these sources according to normal scholarly procedures shall be considered plagiarism. The above definition of academic misconduct applies equally to improper use of electronic sources of information and opinion.” If students are caught cheating or plagiarizing I have a zero tolerance policy which will result in failing the course for this improper academic conduct.

**Grading:** Final grades are based on a percentage of the total 400 points, as follows:

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<thead>
<tr>
<th>Letter Grade</th>
<th>Minimum Points</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>360</td>
<td>90-100%</td>
</tr>
<tr>
<td>B</td>
<td>320</td>
<td>80-89%</td>
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<tr>
<td>C</td>
<td>280</td>
<td>70-79%</td>
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<tr>
<td>D</td>
<td>240</td>
<td>60-69%</td>
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<tr>
<td>F</td>
<td>&lt;240</td>
<td>&lt;59%</td>
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*Extra credit points from test 2, 3 and 4 will be added to the total number of points.
*The lowest test grade will be dropped for perfect attendance.