

**PRINCIPLES OF GEOLOGY  
GEOL 1102/1302 - SPRING 2015**

**Course Syllabus**

**Brenda Barnes, PhD, PG**  
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**Office Hours - by arrangement (call for appt.)**

**Class Schedule:**

Monday	11:00 - 1:40	Room B-202 - Lecture - 1302
Wednesday	11:00 - 12:50	Room H-248 - Lab - 1102

**Required Texts:**

**The Changing Earth, by J.S. Monroe and R. Wicander (ISBN: 9780495554806)**

[http://www.coursesmart.com/IR/7929383/9780495010203?\\_\\_hdv=6.8](http://www.coursesmart.com/IR/7929383/9780495010203?__hdv=6.8)

**Laboratory Exercises for Geol 1402, by D. Caskey and V. Harder**

[http://www.coursesmart.com/IR/7929383/9780738047966?\\_\\_hdv=6.8](http://www.coursesmart.com/IR/7929383/9780738047966?__hdv=6.8)

**Instructor Policies**

Class attendance is not mandatory, although non-attendance can result in poor grades.

Attendance may be considered in the final grade determination.

All students are expected to follow the policies of the student code of ethics. Cheating on exams will not be tolerated. Students are expected to be considerate of other students and the instructor. Cell phones must be off during lectures and exams.

Assignments and/or Exams may be presented and graded in Blackboard

**Course Requirements**

**1302 - 6 Exams (worth 20% each) Lowest grade to be dropped**

**1102 - Labs - 90% of course grade**

**Class Participation/Attendance - 10% of grade**

**Extra Credit assignments will be available**

All tests will include both lecture and lab material. Many labs require work outside of class.

The class can incorporate lectures, homework, group work, lab exercises and audio-visual presentations.

**Note: Schedule below may be subject to change**

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**Class Schedule**

			<b>Topic (Book Chapter - M &amp; W)</b>	<b>Lab Chapter – C &amp; H</b>	<b>Other Lecture/Lab Material Used</b>
	<b>Date</b>				
<b>W</b>	<b>Jan</b>	<b>21</b>	Physical Geology Review	15	
<b>M</b>	<b>Jan</b>	<b>26</b>	Geologic Time (17)	2	
<b>W</b>	<b>Jan</b>	<b>28</b>	Geologic Time (17)	2	
<b>M</b>	<b>Feb</b>	<b>2</b>	Evolution (18)	5	
<b>W</b>	<b>Feb</b>	<b>4</b>	Exam 1 - Phys Geology/ Geologic Time	<b>Exam 1</b>	
<b>M</b>	<b>Feb</b>	<b>9</b>	Astonomy and the Solar System	7	
<b>W</b>	<b>Feb</b>	<b>11</b>	Astonomy and the Solar System		
<b>M</b>	<b>Feb</b>	<b>16</b>	Climate and Weather	14	
<b>W</b>	<b>Feb</b>	<b>18</b>	Climate and Weather	14	
<b>M</b>	<b>Feb</b>	<b>23</b>	Climate Variability through Time		Climate Change Unit 1
<b>W</b>	<b>Feb</b>	<b>25</b>	Climate Change		Unit 6.1
<b>M</b>	<b>Mar</b>	<b>2</b>	Climate Change - Extreme Heat		Unit 6.1
<b>W</b>	<b>Mar</b>	<b>4</b>	Climate Change - Air Pollution		
	<b>Mar</b>	<b>9 &amp; 11</b>	Spring Break - No Classes		
<b>M</b>	<b>Mar</b>	<b>16</b>	Tectonics	6	
<b>W</b>	<b>Mar</b>	<b>18</b>	Volcanic Hazards and Other Geologic Hazards	Exercise 5 Phy Geol Lab	
<b>M</b>	<b>Mar</b>	<b>23</b>	Shorelines and Sea Levels	13	
<b>W</b>	<b>Mar</b>	<b>25</b>	Seafloor	13	
<b>M</b>	<b>Mar</b>	<b>30</b>	Water Resources	13	
<b>W</b>	<b>April</b>	<b>1</b>	Water Resources	Key Terms	Wiley Vis Env Sci Lecture Ch10
<b>M</b>	<b>April</b>	<b>6</b>	Natural Resources		SERC handouts
<b>W</b>	<b>April</b>	<b>8</b>	Mineral Resources		SERC handouts

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<b>Date</b>					
<b>M</b>	<b>April</b>	<b>13</b>	NonRenewable Resources		Wiley Vis Env Sci Lecture Ch 17
<b>W</b>	<b>April</b>	<b>15</b>	Mineral Resources		SERC handouts
<b>F</b>	<b>April</b>	<b>17</b>	Last Day to Drop "W"		
<b>M</b>	<b>April</b>	<b>20</b>	Renewables/Sustainability	no lab	Wiley Vis Env Sci Lectures Ch 18 and Ch 2
<b>W</b>	<b>April</b>	<b>22</b>	Ancient Environments/Fossil Preservation	3 (Extra Credit) 4	BB 1402 Lectures
<b>M</b>	<b>April</b>	<b>27</b>	Precambrian Earth (19)	8	BB 1402 Lectures
<b>W</b>	<b>April</b>	<b>29</b>	Paleozoic Life and Earth (20-21)	9	BB 1402 Lectures
<b>M</b>	<b>May</b>	<b>4</b>	Mesozoic Earth (22)	10	BB 1402 Lectures
<b>W</b>	<b>May</b>	<b>6</b>	Cenozoic Earth (23) & Anthropology	11	BB 1402 Lectures
<b>M</b>	<b>May</b>	<b>11th @ 11:00</b>	<b>Exam 5 - FINAL</b> Precambrian through Cenozoic	<b>Exam 5</b>	