

## PHSC 1123–Physical Science One

Fall Semester 2005

Section 001, MW, 4-5:20 p.m., New Science Building Room 103

Section 002, MWF, 11-11:50 a.m, New Science Building Room A103

Section 006 TR, 9:30-10:50 a.m., New Science Building, Room A103

|           |                           |              |                   |
|-----------|---------------------------|--------------|-------------------|
| Professor | Innocent Aluka            | Office Hours | R & F. 2- 4       |
| Office    | New Sci. Bldg,<br>RM 330J | E-mail       | ijaluka@pvamu.edu |
| Phone     | 936-857-4510              |              |                   |

**COREQUISITE:** PHSC 1121

**PREREQUISITE:** None

**LEC. TEXTBOOK:** Conceptual Physical Science, 3<sup>RD</sup> Ed; Authors: Hewitt, Suchocki & Hewitt  
Publ. Addison Wesley.

**REFERENCE SOURCES:** 1.Web/Internet; home work related websites will be supplied by the instructor. 2. Any physical Science Textbook

**COURSE GOAL:** This course is designed to introduce students to the basic principles of physical science and physical processes in our environment. The following branches of physical science will be emphasized: Geology, Astronomy, and Meteorology.

**COURSE OUTCOMES:**

- Students will be able to fit in properly in our ever changing technological world
- Students will be able to adjust to any unforeseen changes in order to grow, survive and handle their problems and at the same time contribute to the growth of fellow man.

**COURSE POLICIES:**

**This course uses the lecture format. Homework problems will be assigned from time to time during the entire semester. Quizzes may be given occasionally on covered materials. It is expected that you will need to spend at least two hours studying outside the class for each hour spent in class. That means you should plan to devote a minimum of six hours per week for this class.**

**HOMEWORK AND GRADING:**

There are four examinations in this class; two examinations during the first half of the semester and two more examinations during the second half of the semester. Each exam is worth 20 points and a total of 80 points of your final grade. Makeup examinations will be given **ONLY** for a university-approved absence verified in writing. The remaining 20 points of your final grade will come from either homework assignments, quizzes, classroom discussion and any special project(s) together, or some of them chosen by the professor. Homework assignments will be turned in on their due dates only; no late homework assignments will be accepted. The grading system is as follows:

|          |   |
|----------|---|
| 90 – 100 | A |
| 80 - 89  | B |
| 70 - 79  | C |
| 60 - 69  | D |
| 0 - 59   | F |

**ORAL AND WRITTEN COMMUNICATIONS**

Oral or written communication will be given through exams, homework, classroom and individual discussion, and use of optional web-based materials.

**ATTENDANCE POLICY:**

Class will start and end at the prescribed times. Attendance at every class is expected and is each student's responsibility. Absence or tardiness may result in lowered grades. Excessive absenteeism, whether EXCUSED or UNEXCUSED, may result in a student's course grade being reduced or assignment of a grade of "F". Absences are accumulated beginning with the first day of class.

The University Undergraduate Catalog, 2005 – 2007, p. 111 provides detailed information about student class attendance policy.

**STUDENT ACADEMIC APPEALS PROCESS & SERVICES FOR STUDENTS WITH DISABILITIES: (Refer to the University Undergraduate Catalog 2005 – 2007, pp. 61 and 106 - 108)**

**COURSE OUTLINE**

| <b>Week</b>           | <b>Topic</b>   | <b>Note</b>   |
|-----------------------|--|---|
| 1 ( Aug. 22– 26)      | Definition of Geology and Geology profession<br><br>Earthquakes and Earth's Interior | Late Registration and Drop/Add <u>Begins</u> , 8/22/05<br>Late Registration and Drop/Add <u>Ends</u> , 8/26/05    |
| 2 (Aug. 29 – Sept 2)  | Earthquakes and Earth's Interior continued   | Last day to apply for Fall 2005 Graduation (8/26/05)  |
| 3 (Sept. 5 - 9)       | Plate Tectonics and Seafloor Spreading   | Labor Day (University Closed) 9/5/05<br>Last date to pay at least 50% of tuition and fees, Sept. 7                |
| 4 (Sept. 12 – 16)     | Geologic Time  |   |
| 5 (Sept. 19 – 23)     | Geologic Time Continued<br>Exam. #1<br>The Universe                                  |   |
| 6 (Sept. 26 – 30)     | The Universe Continued   |   |
| 7 (Oct. 3 – 7)        | The Solar System   |   |
| 8 (Oct. 10 – 14)      | The Solar System Continued<br>Exam #2  | Mid-Semester exam period (Oct.13-14)  |
| 9 (Oct. 17 – 21)      | Minerals   |   |
| 10 (Oct. 24 – 28)     | Minerals Continued   |   |
| 11 (Oct. 31 – Nov. 4) | Rocks  | Last date to withdraw from classes with automatic "W" Oct. 31.  |
| 12 (Nov. 7 - 11)      | Rocks Continued<br>Exam. #3  | Exam. #3  |
| 13 (Nov. 14 – 18)     | Atmosphere, Composition and Layers<br>Weather and Climate                            |   |
| 14 (Nov. 21 - 25)     | Atmosphere, Composition and Layers<br>Weather and Climate cont'd                     | Thanksgiving Holiday (11/24-25) (University closed)   |
| 15 (Nov.28 – Dec. 2)  | Review and Study Days<br><br>Final Exam Begins                                       | Course Review Day, Nov. 29,<br>Last Class Day (11/29/2005)<br>Study Days (11/30 – Dec. 1/2005<br><br>Dec. 2, 2005 |
| 16 (Dec. 5 – 7)       | Final Exam Period  |   |
| <b>THIS</b>           | <b>SCHEDULE</b>  | <b>IS VARIABLE</b>  |

