



6. The student will understand the intimate relationship between the atmosphere and ocean, and how the ocean influences weather and climate.
7. The student will understand the interrelationship between ocean ecosystems and organisms, and the importance of healthy marine ecosystems for human survival.
8. The student will understand atmospheric processes, and how the basic variables of atmospheric temperature, pressure and humidity are interrelated.
9. The student will understand the nature of storm systems, how to best prepare for surviving weather catastrophes, and how these systems greatly impact human existence.
10. The student will learn the basic causes of pollution, and how phenomena such as global warming may affect civilization.
11. The student will understand the basic features of climate, and how World climates affect World cultures.
12. The student will understand the basic structure and components of our Solar System.
13. The student will explore the creation of the universe, and learn how cosmologists formulate the past history (and future probability) of cosmic evolution.

**V. Course Requirements.**

**A. Grading**

Grading is based upon lecture tests, lab exercises and laboratory practicals, and student presentations of demonstrations and/or experiments.

**B. Texts**

A lab manual and lecture textbook will be required for this course.

**Department Head Signature/Date:**

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Signature

Date