Note:
Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form.

MOODY DISTANCE LEARNING

Course Number, Name, and Credit Hours

GSU-1131 Physical Sciences, 3 credit hours

Course Description

Physical science provides a survey of the principles and natural laws in physics, chemistry, astronomy, and earth science that God has established to govern our universe. The student will be equipped with the scientific concepts and vocabulary necessary to apply these principles to a variety of contemporary issues in science as well as find a proper integration of faith and natural science. *There are no prerequisites required for this course.*

Course Goals

In the course you will:

- Understand major scientific principles and related vocabulary
- Understand the application of these principles to contemporary issues in science
- Gain a better understanding of and deeper appreciation for God's creation

Course Objectives

After completing this course, you should be able to:

1. Discuss the nature and perimeters of scientific discovery
2. Summarize the basic scientific concepts covered in this course
3. Discuss the current scientific issues covered in this course
4. Present two talks that demonstrate the relationship between a scientific principle and a biblical concept

Course Textbook(s) and/or Supplemental Information

Required textbooks for all Moody Online classes can be found on the Required Textbooks section of the Moody website.

Assignments

All assignments (reading and written) should be completed according to the schedule listed on the Course Schedule. To successfully complete this course, you will be required to complete the following:

1. **EXAMS**: There are two (2) exams in this course. Both exams will be multiple-choice tests covering Lessons 1-4 for Exam #1 and Lessons 5-8 for Exam #2. Also included in the tests are the material covered in the text, the lesson guides, and the discussion board. Exam #1 / #2 will be due at the end of Week 4 / Week 8.

2. **SCIENCE TALKS:** Two science talks will be due at the ends of Weeks 3 and 7. Further requirements for these papers may be found in the ***Assignments*** section of Blackboard.

3. **CLASS PARTICIPATION:** Discussion Board Attendance is also expected. You must maintain a significant presence in the discussion board, posting your own thoughtful response to discussion board prompts as well as interacting with your classmates' posts (2-3 interactions per Lesson suggested). Generally, your posts should be 200 – 300 words in length. The material covered in class each week will give you the tools needed to discuss each topic. However, you will also need to devote time to online research in order to offer a more comprehensive response to the topic. It is expected that although online sources will be referenced, these posts will represent your original written response to each issue (i.e., responses should be written in your own language and not simply copied from online sources).

4. **WEEKLY COURSE READING & LESSON GUIDES:** Guides for each lesson may be found in the ***Assignments*** section of Blackboard and should be completed in conjunction with the Course Reading for each lesson. You must report the amount of reading you completed each week.

Assessments

Your grade for this course will consist of:

Exam #1	20%
Exam #2	20%
Science Talk #1	10%
Science Talk #2	10%
Class Participation	20%
Weekly Course Reading & Lesson Guides	20%
	100%

Letter grades are determined by the following scale:

Letter Grade	Percentage Equivalent	Letter Grade	Percentage Equivalent
A	96% or higher	C	73 - 76.9%
A-	90 - 95.9%	C-	70 - 72.9%
B+	87 - 89.9%	D+	67 - 69.9%
B	83 - 86.9%	D	63- 66.9%
B-	80 - 82.9%	D-	60 - 62.9%
C+	77 - 79.9%	F	Below 60%

Course Resources

Online students have access to the Moody Library. Though you may wish to check out books via inter-library loan, the online database has a number of articles and reviews available for download. You can access the online database by logging into your account at my.moody.edu. If you have not previously accessed the library database you may wish to complete the database tutorial at http://mmm.moody.edu/GenMoody/default.asp?sectionID=69C97E398A6249D9AC3859B4CBF81926.

Apple has developed a platform for colleges and universities to post audio and video content called iTunes University. There are a number of lectures available on iTunes U that you may wish to listen to related to the topics discussed in class.

Course Copyright Statement

Recommended Reading

Armstrong, John R. William Buckland in Retrospect: Perspectives on Science and Christian Faith. 1990.

Heeren, Fred. Show Me God: What the Message from Space is Telling Us About God. Wheeling, IL: Day Star Publications, 1997.

Krauskopf, Konrad B.and Arthur Beiser. The Physical Universe. 11th Ed. Boston: McGraw-Hill 2005.

Moreland, J.P. Christianity and the Nature of Science. Grand Rapids: Baker, 1992.

Van Till, Howard J., Snow, Robert., Stek, John., Young, Davis A. Portraits of Creation: Biblical and Scientific Perspectives on the World's Formation. Grand Rapids: Eerdmans, 1990.

Young, Davis A. Christianity and the Age of the Earth. Grand Rapids: Zondervan, 1982.