

**PHYSICAL SCIENCE
SCI 2233 FALL 2004 - TERM B**

DAY and TIME MW 5:30-7:50 PM

LOCATION MWHI 215

INSTRUCTOR Eric Boswell

INSTRUCTOR'S HOME PHONE 334 286-0411

COURSE DESCRIPTION

This is a course for non-scientists and is designed to introduce students to the physical sciences. The course is intended for students whose primary interest is in a field other than science. Some math will be used in problem solving and Math 105 is a prerequisite. Although some basic math is required as a prerequisite, the problem solving skills necessary for successful completion of the course will be taught along with the other physical science topics. If you have an interest in the physical world (why things work), you're in the right class. Students should register for the accompanying lab (SCI L233) when registering for Physical Science (SCI 2233).

SUPPLIES

- Textbook: *Conceptual Physical Science*, 3rd Edition, by Paul G. Hewitt
- Scientific Calculator. **DO NOT BUY A CALCULATOR PRIOR TO CLASS.** This item will be discussed at the first class meeting.

EVALUATIONS

Your grade will be determined by homework scores and exam scores.

- Homework Points 50%
- Exam Scores 50%

Grade updates will be available after each exam. Because of the updates, there should be no surprises at the end of the course. You may make up missed exams under the following conditions: **(1) You contacted the instructor prior to missing class -or- 2) Your absence was due to an emergency.**

ATTENDANCE AND OTHER POLICIES

Attendance at class is a requirement for successful completion. You should make every effort to be at class on time. Make it your business to be aware of TSUM policies as set forth in the current *TSUM Undergraduate Bulletin*. If you have a documented disability that requires special accommodations, please notify the instructor within the first week of the quarter.

<u>DATE</u>	<u>TOPIC</u>
10/18/04	Chapter 1
10/20/04	Chapter 1
10/25/04	Chapter 2
10/27/04	Chapter 3
11/01/04	EXAM 1 (Chapters 1 - 3) Begin Chapter 7
11/03/04	Chapter 7
11/08/04	Chapter 7, 8
11/10/04	Chapter 8, 9
11/15/04	Chapter 9
11/17/04	Chapter 9, Review
11/22/04	EXAM 2 (Chapters 7 - 9)
11/24/04	HOLIDAY
11/29/04	Chapter 17
12/01/04	Chapter 14, 15
12/06/04	Chapter 19
12/08/04	Chapter 19, Review
12/13/04	EXAM 3 (Chapters 14, 15, 17, 19)

PHYSICAL SCIENCE LAB

SCI L233 SUMMER SEMESTER 2002

<u>DAY and TIME</u>	Wednesday 8:05-10:25PM
<u>LOCATION</u>	MWHI 536
<u>INSTRUCTOR</u>	Eric Boswell
<u>INSTRUCTOR'S HOME PHONE</u>	286-0411

COURSE DESCRIPTION

This is the laboratory portion of a course for non-scientists and is designed to introduce students to the physical sciences. The course is intended for students whose primary interest is in a field other than science. Some math will be used in problem solving and Math 112 is a prerequisite. Although some basic math is required as a prerequisite, the problem solving skills necessary for successful completion of the course will be taught along with the other physical science topics. If you have an interest in the physical world (why things work), you're in the right class.

SUPPLIES

Always bring your textbook and calculator to the laboratory.

- Textbook: *Physical Science With Modern Applications*, Fifth Edition, by Melvin Merken
- Scientific Calculator. DO NOT BUY A CALCULATOR PRIOR TO CLASS. This item will be discussed at the first class meeting.
- Lab Notebook

LABORATORY REPORTS

Your grade will be determined by scores on laboratory exercises as follows:

- Laboratory Reports 75%
- Exams 25%

Grade updates will be available throughout the term. Because of the update, there should be no surprises at the end of the course. You may not make up missed laboratory exercises under any conditions, however, you may drop your lowest score

Your laboratory report must be complete and ready to turn in by the beginning of the following week's laboratory exercise. Your report may be handwritten or typed, however, it must be neat and legible. You must use the laboratory report form provided by the instructor when writing your laboratory report.

ATTENDANCE AND OTHER POLICIES

Attendance at class is a requirement for successful completion. You should make every effort to be at class on time. Make it your business to be aware of TSUM policies as set forth in the current *TSUM Undergraduate Bulletin*. If you have a documented disability that requires special accommodations, please notify the instructor within the first week of the quarter.

<u>DATE</u>	<u>TOPIC</u> (Chapter in Melvin Merken's <i>Physical Science</i>)
06/05/02	# 1 Introduction/Simple Measurements (Chap. 2)
06/12/02	# 2 Velocity/ Acceleration (Chap. 3)
06/19/02	# 3 Weighing the Earth (Chap. 5)
06/26/02	# 4 Momentum (Chap. 6)
07/03/02	# 5 Specific Heat (Chap. 7)
07/10/02	# 6 Moles (Chap.15)
07/17/02	# 7 Gas Laws (Chap. 7)
07/24/02	LAB EXAM