PHYSICS 214
GENERAL PHYSICS
SUMMER II – 2008

COURSE SYLLABUS

Lecture: MO TU WE TH FR 10:00-11:50 Lewis Hall, Room 101
Instructor: Dr. Torma, Tibor
Office: Room 208 Lewis Hall, Email: kakukk@phy.olemiss.edu

- **Office Hours:** Every day 12:00, or by appointment (208 Lewis Hall)

- **Text**: Physics, 6th edition, by Douglas C. Giancoli (Chapters 16 through 31).

- **Note:** You must take the **Lab Phys 224** along with this course unless you have already passed it.

Grading scale and evaluation:

• Grading Scale: A's --- 90 – 100%; B's --- 80 – 89%; C's ---70 – 79%; etc.

• Grades will be based on homework, tests, and the final examination:

Homework ---------- 20%
Two tests ---------- 40% (#1=20%, #2=20%)
Final exam ---------- 40%

Homework Rules:

1. Home works are assigned almost every class period and are due in one-two days.
2. Homework paper should be 8.5 x 11 inches with no torn or tattered edges and should be stapled.
3. Show all your work; **the answer alone is not worth any credit**.
4. Homework problems must include **enough English to be understandable.**
5. Homework answers should have units and a reasonable number of significant digits.
6. **Circle the final answers that you want to be graded.**

Tests and Final examination schedule:

TEST #1	**Chapters 16 through 19**	**Wednesday, July 9.**
TEST #2	**Chapters 20 through 23**	**Wednesday, July 16.**
FINAL:	**Comprehensive**	**12:00 onThursday, July 24.**

Common Courtesy Guidelines:

For the benefit of your fellow students and your instructor, you are expected to practice common courtesy with regard to all course interactions. **For example:**

- Show up for class on time.
- Do not leave class early, and do not rustle papers in preparation to leave before class is dismissed.
- Be attentive in class; stay awake, do not read newspapers, etc.
- If you must be late or leave early on any particular day, please inform your instructor in advance.
- **Absence** may jeopardize your standing because you are responsible for any in-class activities.

Students who do not practice common courtesy should not expect a good standing because their in-class activity is in question.

Course objectives:

1. Introduce students to physics.
2. Expand the understanding of the ideas and results of General Physics.
3. Develop an understanding of the current basis of broad knowledge in Physics.
4. Expand knowledge of applications of physics in Medicine, Biology, and Pharmaceutical sciences.
5. Enhance the critical thinking, analytical reasoning, and problem solving skills.

Learning objectives:

In this course, we introduce students to the basics of physics.

The learning outcomes for students:

1. Understand the basic principles of Physics *including* electric and magnetic phenomena, optics, as well as the rudiments of modern physics.
2. Understand the physical basis of numerous contemporary applications of General Physics in Biology, Medicine, and other Sciences.
3. Learners will build on a critical thinking, analytical reasoning, and problem solving skills.
4. Students will know how to use interactive methods and Internet for their independent learning on “General Physics”.