Fall ~~2012~~ - PHYS 1600 Syllabus 8/3/2012
MWF 11:00am - 11:50am
Parker 249

Instructor
Dr. M. Fogle
111 Allison Lab / 247 Leach Science Center
fogle@physics.auburn.edu
Office Hours:
MW 9:00am - 10:00am

Required for Course
- Textbook: *Physics for Scientists and Engineers*, Randall D. Knight ,3rd ed., Pearson
- Access to *MasteringPhysics* for online homework (this may be included with textbook or purchased separately if necessary)
- iClicker for in-class response participation

Course Overview
This course is the first of a two-part introductory physics series. This first course will introduce the fundamental aspects of Newton's Laws, conservation Laws, applications of Newtonian Mechanics and thermodynamics.

Homework/Quizzes
Homework problems will be assigned for each chapter in *MasteringPhysics* (www.masteringphysics.com). You will need an access code either included with your textbook or purchased separately. You will be given information on how to register for this course's MasteringPhysics site. Homework assigned in *MasteringPhysics* is designed to encourage students to read the material covered in the textbook and to provide a way to practice solving problems.
Most homework questions will be assigned points based on difficulty (see the *MasteringPhysics* introduction assignment on grading). A student's cumulative points out of the total possible points for the course will be used to determine the homework grade.
Quizzes will also be given each lab/recitation session. Quizzes will most often consist of two randomly chosen questions from the previous homework assignment.

Exams
Three exams will be given throughout the course to assess student comprehension of material. All exams will be closed book. A formula sheet will be provided with each exam. Students are not allowed to use their own formula or data sheets or to use any supplemental materials during exams.
Graphing calculators are acceptable, however, using the storage capacity of a calculator as supplemental information on the exam will be considered cheating. Smartphones with calculator apps should be avoided as they are too susceptible to being used as cheating instruments. You should obtain the instructor's permission to use anything other than a calculator on an exam.
Exams will not require bubble sheets. You should show all work (to obtain as much partial credit as possible), even for multiple choice questions.
Make-up exams will only be scheduled for excused absences. It is the student's responsibility to schedule the make-up within 2-class days of the missed exam.

Class Participation with iClickers

the iclicker in-class response system will be used during lectures to encourage discussion and to assess learning throughout the semester. Students will register their iClickers during the first few class periods. iClicker IDs will be posted to the gradebook to verify registration. If you need to replace your registered iClicker during the semester, you must contact the instructor.
Attendance will not be recorded or considered in grading, however, in-class participation will be rewarded with bonus points to the final grade. Students who forget to bring iClickers to class or fail to register properly can not have the bonus points imputed to them just because of their presence in class. No iClickers will be available for loans.

Labs/Recitation
During the scheduled lab/recitation periods, overseen by graduate teaching assistants(TAs), students will begin by taking a weekly 10-minute quiz. The TAs will then have a 40-minute recitation time to solve problems and help students with concepts covered in the course. The remaining 2 hours will be designated for lab activities.
Only on rare occasions will a student be able to make-up missed labs, due to the difficulty of re-setting up equipment.
Students should only attend lab sections they are assigned to.

Grading / Canvas
The *Canvas* course management software at AU will be used to maintain and disseminate grades to students enrolled in the course via the *Canvas* gradebook. All students enrolled in the course should see it listed when they login to *Canvas*. The course's *Canvas* page will also be the official calendar and announcement posting site for the course. Homework reminders regarding *MasteringPhysics* assignments will also be posted here. Students should check the course's *Canvas* page regularly.

Overall course grades will be determined as follows:
Homework (*MasteringPhysics*) - 5%
Quizzes - 15%
Semester Exams - 45%
Final Comprehensive Exam - 20%
iClicker class participation - up to 5 points bonus to final grade
Lab/Recitation - 15%