GENERAL PHYSICAL SCIENCE LAB (PS109L) 1cr

Fall 2014

INSTRUCTOR: Mr. David L. Adkins

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COURSE DESCRIPTION: Labs to accompany PS 109, the Co-requisite

COURSE NEEDS: PS109 Lab Manual

Calculator, Protractor and magnetic compass (all available in bookstore)

PROCEDURES

* Labs are self explanatory; you can start as soon as you arrive. Do what the lab book says, get an answer, then compare to others’ answers and discuss. Some answers are on the table in front of the BB. Discussion is GOOD! Talk to others a lot!
* Work in pairs, but be sure that YOU can do everything BY YOURSELF! (On the tests, you will work alone!)
* When finished: Pick up the report before you leave. This is what you will turn in. The lab book is for you to take notes. Lab reports are due Friday by 2:00 in Bady’s office (next to lab), or can turn in at lecture.
* Next week, when you come in, first thing: Pick up your lab report and check answers with key posted on bulletin board.
* It will make things easier if you read through the lab carefully before coming to class.
* Make-ups are difficult to arrange, so try not to miss a lab! It is OK to attend a different lab section if you tell me ahead of time.
* You must do the lab before you can turn in a report.

GRADING: 90%-A 80%-B 70%-C 60%-D

WEIGHTINGS: Regular Lab Reports: 30% Astronomy Labs: 10%

 First exam: 30% Second exam 30%

TESTS

Two tests of equal weight: first one half way through, second one during finals week. You will have to actually DO some of the things you did in lab—with no lab partner to help you.

OUTDOOR ASTRONOMY LABS

You will do sun and night sky observations on your own, and also activities using a computer simulation of the sky.

PS109L Lab Schedule - Fall 2104

\_ All labs are to be turned in to the drop boxes outside S179.

\_ Due date for Tuesday lab sections is the following Thursday at 5:00 pm. Due date for

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\_ Late labs will suffer a 20% penalty, however, NO labs will be accepted past 5:00 pm

the following Monday

Dates Lab Other Assigned Work

Lab 1: Motion Sun observation #1

Lab 2: Force Begin Moon Phase Calendar

Lab 3: Energy Night Sky #1

Lab 4: Heat continue Moon Phases

Lab 5: Fluids &Pressure continue Moon Phases

Prep for Exam 1 Finish Moon Phases

Exam 1 on Labs 1 - 5, Sun #1, Sky #1 (daily motion)

Lab 6: Electricity None

Lab 7: Waves None

Lab 8: Light Sun observation #2

Lab 9: Moon Phases& Eclipses Night Sky observation #2

Lab 10: Seasons CyberSky

Prep for Exam 2 None

Exam 2 on Labs 6 - 10,

Moon Phases, Sun #2, Sky #2, CyberSky(monthly & yearly motion)