

PHYSICS 183 Laboratory Schedule

Summer 2004 AM II (June 4 – July 6 2004)

Section 001 M W F 9:50 AM - 11:40 AM

Section 002 T Th 9:50 AM - 11:40 AM F 11:50AM – 1:40 PM

All sections meet in Room 315 Grote Hall

Instructor: Harold A. Climer

Room 318 Grote Hall

Office Hours: By Appointment Only

E-Mail Address: Harold-Climer@utc.edu

Experiment and Title	Section 001	Section 002
Week 1		
1.Intoduction to Lab	F 4 June 2004	F 4 June 2004
Week 2		
2.Human Response Time	M 7 June 2004	Tu 8 June 2004
3.Acceleration of Gravity*	W 09 June 2004	Th 10 June 2004
4.Projectile Motion	F 11 June 2004	F 11 June 2004
Week 3		
5. Inclined Plane	M 14 June 2004	Tu 15 June 2004
6. Conservation of Momentum	W 16 June 2004	Th 17 June 2004
7. Simple Pendulum*	F 18 June 2004	F 18 June 2004
Week 4		
8. Spring Constant	M 21 June 2004	Tu 22 June 2004
9. Specific Heat	W 23 June 2004	Th 24 June 2004
10. Standing Waves	F 25 June 2004	F 25 June 2004
WEEK 5		
11. Resonance Tube	M 28 June 2004	Tu 29 June 2004
12.FINAL EXAM (covers all labs)	W 30 June 2003	Th 1 July 2004

* Note: This is a Computer Assisted Lab

Lab reports are due at the beginning of the next lab class. The Formal Lab Report for the *Projectile Motion Experiment* is due **Friday 18 June 2004 for both sections 001 and 002.**

You do not need a lab notebook to do your lab reports. Use your lab notebook only to record your original data and to make a Yellow Copy (which I will initial) to turn in to me before you leave class. If you have an old lab notebook you may use it since you will not be submitting lab reports in the notebook.

Follow the example of how to write a regular lab report using the hand out on my Web page.. An example of a completed report will be available on my Web page. **If your hand writing**

is legible, lab reports are to be done in INK on 8 1/2" X 11 1/2" notebook paper, or if you prefer, using a word processor.

The Resonance Tube Lab will be due at the Final Exam.

PRE-TESTS

At the beginning of the laboratory, students will be given a 5-minute Pre-Test. It will consist of two questions concerning that day's lab. You must come to class on time, as no late tests will be given. **It is advisable that you read the theoretical material for that day's lab in your textbook as well as the material in your lab manual or any handouts I give you, before you come to class.**

WHAT WILL BE COVERED IN THE LAB

Only the most basic points of the theory behind the lab will be covered during the lab session. This is not the lecture. Also do not expect the lab to always be in sync with materials covered in your lecture. It is up to you to read any materials in your text book and lab manual concerning that day's lab.

WHAT YOU DO DURING THE LABORATORY SESSION

During the laboratory session in class you should record all work you have performed. All activities, experimental data, results, etc., should be recorded as they occur, **IN INK!!!** No erasures should be made. **DO NOT USE WHITE OUT!!!** A single line through the "wrong material" is sufficient, with any corrections or changes noted above or beside it. This will allow for the recover of information which, later, may be prove to be valuable. Your lab results should be **RECORDED IN DUPLICATE**. You can use "Laboratory research notebook" or "Computational notebook", which are available at the UTC Bookstore (Identifying number is 43-645 or 54-641). Before leaving the class, you should tear out the yellow (carbon) copies and leave them with your instructor who will keep them until the end of the summer session as a proof that you have performed the experiment. **Make a Xerox copy of the white pages and attach to your lab report. DO NOT TEAR WHITE PAGES OUT OF YOUR NOTEBOOK!!!** (Again, if you have an old lab notebook you may use it since you will not be submitting lab reports in the notebook)

FORMAL REPORT

The Completed FORMAL LABORATORY REPORT on the Projectile Motion Experiment is worth 20% of your final lab grade and must be type written. Follow the instructions in the appendix of your Lab Manual on HOW TO WRITE A FORMAL LAB REPORT for the proper format

CLASS ATTENDENCE

Attendance at all laboratory sessions is required. **If you miss a session, you will get zero for that lab.** I may make exceptions and allow you a make up a session if I am convinced that you were ill, had a death in the family, or were involved in a similar emergency. **(YOU MUST BRING DOCUMENTATION)**

Come to class on time. Some of the labs take the whole hour and 50 minutes to

complete and the lab time will not be extended.

Students are responsible for all information that is given in class, whether they are present or not.

HOW YOU WILL BE GRADED IN THIS LAB

Pre –Tests	10%
Regular Lab Reports	55 %
Formal Lab Report	20%
Final Exam	15%
Total	100 %

Late Lab Reports

1 day late	-10.0 Points
2 days late	-20.0 Points

LABS MORE THAN 2 DAYS LATE WILL NOT BE ACCEPTED FOR CREDIT!!!!

Saturday and Sunday do not count as late days. Also no Labs will be accepted after 2:00 PM on 2 July 2003. **If it is not turned in by then it will not be graded and you will receive a ZERO for that lab.**

If you have a disability which may require assistance or accommodations, or you have questions related to any accommodations for testing, note takers, readers, etc., please speak with me as soon as possible. You may also contact the Office of Student Affairs (425-4534) with questions about such services