

PHYS 1100 Laboratory Syllabus

Spring 2017

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DO NOT FORGET TO FILL THE INFORMATION BELOW DURING YOUR FIRST LAB SESSION. YOU WILL USE THIS INFORMATION TO GET IN TOUCH WITH YOUR INSTRUCTOR DURING THE SEMESTER.

Your Instructor's name: _____

Your Instructor's Phone: _____ **Email:** _____

COURSE MATERIAL REQUIRED:

- Login to Canvas (canvas.uncc.edu) to access the lab manual write ups. Download and print the lab write ups before coming to each lab.
- Calculator
- A thin binder to keep your lab reports, homework and quizzes. Retain it until your grade has been posted.

COURSE INFORMATION: Laboratory investigations illustrating experimental techniques and fundamental principles of natural phenomena.

COURSE OBJECTIVES:

- To conduct an organized and scientific investigation in order to experimentally verify the theoretical concept introduced in the lecture
- To familiarize students with experimental apparatus and scientific method of data collection and analysis
- To derive conclusions from the results based on your understanding of the relevant physics
- To study and understand introductory physics concepts via computer simulation experiments and exercises

LABORATORY ACTIVITIES:

- 6 experimental laboratory sessions
- Labs meet every other week. See the schedule below for exact dates.

COURSE GRADING:

All six labs will count towards your final grade. Each lab is worth the same (16.6%).

Grade assignment:

>= 90%: A, 80-89.9: B, 70-79.9: C, 60-69.9: D, < 60%: F

In-Class Experiment Lab Reports:

- Elevator Statement ----- 5 points
- Report----- 95 points
 - 50% points for active participation in lab exercise. Deduction will be made for:
 - Tardiness
 - Not having your own calculator
 - Not having lab manual
 - Answering or making a phone call; and/or texting
 - Performing task unrelated to lab (e.g. surfing web, coursework etc)
 - 50% points for the content of your lab report
 - Lab report completed with pencil
 - Showing calculations
 - Properly filled lab report
 - Properly drawn graphs
 - Analysis
 - Writing proper unit of measurement

Total: 100 points per lab

LAB ATTENDANCE POLICY/ MAKE-UP LABS:

PLEASE NOTE THAT STUDENTS WHO MISS A LABORATORY MEETING WILL LOSE 16% FOR THE LAB REPORT. THIS LOSS WILL AUTOMATICALLY PREVENT YOU FROM SCORING ENOUGH POINTS (90) TO ATTAIN A FINAL GRADE OF 'A'!

There are NO Make-up labs:

- If you miss a lab due to reason which classifies as genuine reason for absence as per university policy (<http://provost.uncc.edu/policies/classroom-attendance>), the credits of that lab will be added to your final exam.
- If you miss a lab due to reasons beyond your control, it will be upon the discretion of lab instructor whether or not to grant you an excuse for that lab.

Academic Integrity:

Students have the responsibility to know and observe the requirements of *The UNCC Code of Student Academic Integrity* (See the *UNCC Catalog*). This code forbids cheating, fabrication or falsification of information, multiple submission of academic work, plagiarism, abuse of academic materials, and complicity in academic dishonesty. Any special requirements or permission regarding academic integrity will be stated by the instructor, and are binding on the students. Academic evaluations in this course include a

judgment that the student's work is free from academic dishonesty of any type; and grades in this course therefore should be and will be adversely affected by academic dishonesty. Students who violate the code can be expelled from UNCC. The normal penalty for a first offense is zero credit on the work involving dishonesty and further substantial reduction of the course grade. In almost all cases the course grade is reduced to F. Copies of the code can be obtained from the Dean of Students Office. Standards of academic integrity will be enforced in this course. Students are expected to report cases of academic dishonesty to the course instructor.

LABORATORY REPORTS

You will use your lab manual pages to complete the lab reports. Once you completed your lab report, print your name, your partner's name and the date. Submit the associated pages to your instructor. The report will be graded by your instructor and returned back to you at the beginning of the following lab session.

**PHYS 1100 Laboratory Schedule
Spring 2017
Lab Location: Burson 131**

	Labs
Week of Jan 23rd	Lab 1
Week of Jan 30 th	NONE
Week of Feb 6th	Lab 2
Week of Feb 13 th	NONE
Week of Feb 20 th	Lab 3
Week of Feb 27 th	NONE
Week of March 6 th	Spring Break, No labs
Week of March 13 th	Lab 4
Week of March 20 th	NONE
Week of March 27 th	Lab 5
Week of April 3 rd	NONE
Week of April 10 th	Lab 6
Week of April 17 th	Labs completed.