

## **1442 and 1444**

### **Physics Laboratory Syllabus**

**Required Materials:** Physics Lab Manual: Mechanics and Sound, scientific calculator, pencil, eraser and the set of pre – lab questions located at [www.uta.edu/physics/labs](http://www.uta.edu/physics/labs).

**Recommended Materials:** Ruler, Supplemental files located at [www.uta.edu/physics/labs](http://www.uta.edu/physics/labs)

**Lab Exemption:** A student may be eligible for exemption from attending the lab if he/she has successfully completed and passed the lab here at UTA or at another university (copy of transcript showing lab grade is required). Acceptance of the lab exemption is decided upon by the current course instructor. Failure to have a lab exemption form on file for the current semester and not attending any labs will result in a grade of zero being given to the course instructor. You still must be enrolled in the lab if an exemption is granted; the exemption only allows the previous achieved grade to be submitted as your current lab grade. Forms can be obtained and submitted in the Physics Office room 108 Science Hall.

**Teaching Assistants:** Your TA will give their contact information.

**Lab Policies & Rules** as well as **Lab Report Requirements** are given in the Lab manual.

**Attendance Policy:** As outlined in the lab manual you are expected to attend the lab section in which you are enrolled. If circumstances arise which prevents you from attending your normal lab time a Request to Attend Alternate Lab form must be completed and authorized prior to attending another lab section, it can be obtained from your lab instructor or the lab coordinator. The physics main office staff cannot give this permission.

University excused absence policy requires that the student notify the instructor a week in advance. Due to the lab schedule a coordinate effort should be made to attend a lab during the scheduled week.

Multiple absences due to chronic medical problems will be handled on an individual basis.

**Students with Disabilities:** Students who need an accommodation based on disability should arrange to meet with the lab coordinator to see what arrangements need to be made to accommodate their needs.

#### **Missed Labs**

**There will be no makeup labs at the end of the semester.**

For all students the lowest lab report grade will be dropped and the lab report average taken from the remaining labs. In the case of a missed lab this will be your lowest lab grade. If more than one lab has been missed the additional missed labs will receive a grade of zero

**Any addendum to the syllabus or lab schedule will be provided by the lab instructor.**

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	<b>Lab Schedule</b>
Week1 Aug 24 - 28	No Labs. Obtain the pre-lab questions at <a href="http://www.uta.edu/physics/labs">www.uta.edu/physics/labs</a>
Week 2 Aug 31 – Sept 4	Unit 15 - Introduction to Laboratory test Equipment
Monday Sept 7	Holiday, Those enrolled in a Monday lab will perform this week assigned lab on Monday Nov. 2nd
Week 3 Sept 8 - 11	Unit 16 - Electric Fields
Week 4 Sept 14 - 18	Unit 17 - Capacitance
Week 5 Sept 21 - 25	Unit 18 - DC Circuits
Week 6 Sept 28 – Oct 2	Unit 19 – Potentiometer
Week 7 Oct 5 - 9	Unit 20 – Response of passive Network Elements
Week 8 Oct 12 - 16	Unit 21- AC Circuits
Week 9 Oct 19 - 23	Unit 22 – Reflection and Refraction
Week 10 Oct 26 - 30	Unit 24 – Diffraction and Interference
Nov 2	Unit 16 - Electric Fields
Week 11 Nov 3 - 6	No labs
Week 12 Nov 9 - 13	Lab Test. You must attend during the same time and room as your scheduled lab. You will need a calculator, pencil, and are allowed a blank sheet of paper. A formula sheet will be provided.
Nov 16 – Dec 4	As the grades are submitted they will become available on the grade computer located in room 108 Science Hall, your UTA ID card is required to access the grades.

**Grading:** The lab grade is part of your course grade and its percentage to the course grade is determined by the course instructor. The lab grade that will be submitted to your course instructor is made up of:

Lab reports	80%
Lab Test	20%

**Lab report grade break down:**

Pre-Lab questions	5%
Lab report	55%
Lab participation	40% (use of cell phones during lab is grounds for deducting points)

Lab reports are due at the end of the lab period.

**There will be no make-up lab see Missed Labs in the preceding section.**

The lowest lab report grade will be dropped and the lab report average taken from the remaining 8 lab grades.

**Lab Test:**

The lab test is a written test which consists of 18 multiple choice questions and 4 problems, sample of these can be found in the Study guide provided online at [www.uta.edu/physics/labs/](http://www.uta.edu/physics/labs/).