

## PHYSICS 116/122/124 - E&M Laboratory Announcements – Spring 2008

1. Dr. D. Driscoll is in charge of the laboratories.  
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Dr. C. Bekele ([challa.bekele@case.edu](mailto:challa.bekele@case.edu)) is a lab supervisor.
2. The manual for the course has been extensively revised. You **MUST** purchase a new manual, which covers the Physics 116/122/124 labs, from the bookstore. You can copy the Microsoft Word<sup>®</sup> versions of every part of the manual from the lab server (Wertsrv) P: drive in the “E&M Manual” directory. Log on to *Wertlabs - Wertsrv* with user name: *RemoteLab* and password: *uglabs*. However, this version is out-of-date. (**You may NOT print out your own copies of the manual with the Undergraduate Lab printers!**) There are also up-to-date pdf versions of the manual available on the web but, because of file conversion problems, there may be errors and missing pages in these documents. The printed version is the official document.
3. You must bring a lab notebook to lab. Only notebooks that generate a duplicate copy of your notes are allowed. You must hand this copy in to your TA at the end of your lab period. You may re-use your notebook from last spring, if you have one. Also bring a calculator and a pen to class. You need a pen that will make legible duplicates of your notebook pages; soft tip pens will not work reliably.
4. There will be at most only very short lectures at the beginning of the lab. Experiments will occasionally be scheduled before the relevant theory is covered in the course lecture. Therefore you **MUST READ** the pertinent section(s) of the manual **BEFORE** coming to lab. This is particularly important since the amount of material covered in each E&M lab is much greater than in the Mechanics labs. You may NOT be able to finish the labs if you must read the manual for the first time when you come to lab.

Before coming to your first lab, read **Lab #1, DC Circuits**. You should also scan through the preface, introduction, lab sermon, and the appendices (particularly Appendices #1—Notebooks and #2—Reports) and note changes in policies and procedures from last semester.

5. Updates and corrections to the labs are posted on the lab web page. Read this information before you begin your experiments. The lab web site is <http://physicslabs.phys.case.edu>.
6. Check your schedule to be certain you show up at the right time for your lab. The first week of classes, only students in “odd week” labs should come to lab: PHYS116 Lab Sections 1&2 (CRN # 86127 and 87570), PHYS122 Lab Sections 1, 2, 3, & 9 (CRN # 34941, 84786, 84790, and 34758), and PHYS124 Sections 1&2 (CRN # 84819 and 18885) . PHYS116 Lab Sections 3, 4, and 5 (CRN # 12853, 34771, and 12888), PHYS 122 Lab Sections 4,5,6,7, and 8 (CRN # 35163, 84806, 12777, 13242, and 01805) (“even week”) meet the second week of classes starting January 21<sup>st</sup>.
7. Rooms 402 & 403 in Rockefeller are the E&M labs. Come to Roc 403 at the beginning of the first lab period for some brief announcements.
8. If you wish to change lab sections, consult the Registrar’s searchable schedule of classes to determine which sections still have space. The list of sections is reproduced below.

After classes start, you may not be able to change lab sections without a permit. These permits must be obtained from Dr. Driscoll. This can be handled by email. Generally you will **not** be given an override for a full section if you can make any other lab time, include nights and early mornings.

If there is some doubt about your getting into your preferred section, come to the earliest lab (*early in the 2 week cycle for labs*) that you might attend, whether you are registered for it or not. Waiting and coming to a later lab to which you might not be admitted could mean that you get into no lab at all, if that later lab is full. If you come to an earlier lab for which you are not registered and there is room, you can obtain a permit in class that will let you stay in that lab permanently, turning in the form later that day or the next to formalize the arrangements. If you want to switch to a lab later in the 2 week cycle, you might have to do the first lab at your scheduled time and come to the later lab also to see how many of the registered students actually show up.

9. Students agree that by taking this course, all required lab reports or other assignments submitted for credit may be submitted to MyDropBox.com or similar third parties to review and evaluate for originality and intellectual integrity and that if the results of such a review support an allegation of academic dishonesty, the course work in question as well as any supporting materials may be submitted to the Office of the Dean of Undergraduate Studies for investigation and further action. A description of the services, terms and conditions of use, and privacy policy of MyDropBox.com is available on its web site: <http://www.MyDropBox.com>. Understand that all work submitted to MyDropBox.com will be added to its database of papers.

**Enrollment  
as of January 4, 2008**

| <b>Lab Section</b> | <b>CRN</b> | <b>Day</b> | <b>Time</b>   | <b>Even/Odd</b> | <b>Enrollment/<br/>Limit</b> |
|--------------------|------------|------------|---------------|-----------------|------------------------------|
| PHYS116 Lab #1     | 86127      | Tuesday    | 8:30-11:30 AM | odd             | 22                           |
| PHYS116 Lab #2     | 87570      | Friday     | 3:00-6:00 PM  | odd             | 32                           |
| PHYS116 Lab #3     | 12853      | Tuesday    | 8:30-11:30 AM | even            | 31                           |
| PHYS116 Lab #4     | 34771      | Tuesday    | 1:15-4:15 PM  | even            | 32                           |
| PHYS116 Lab #5     | 12888      | Friday     | 3:00-6:00 PM  | even            | 32                           |
| PHYS122 Lab #1     | 34941      | Tuesday    | 1:15-4:15 PM  | odd             | 25                           |
| PHYS122 Lab #2     | 84786      | Thursday   | 8:30-11:30 AM | odd             | 32                           |
| PHYS122 Lab #3     | 84790      | Thursday   | 1:15-4:15 PM  | odd             | 21                           |
| PHYS122 Lab #4     | 35163      | Monday     | 3:00-6:00 PM  | even            | 32                           |
| PHYS122 Lab #5     | 84806      | Wednesday  | 3:00-6:00 PM  | even            | 32                           |
| PHYS122 Lab #6     | 12777      | Wednesday  | 6:30-9:30 PM  | even            | 32                           |
| PHYS122 Lab #7     | 13242      | Thursday   | 8:30-11:30 AM | even            | 32                           |
| PHYS122 Lab #8     | 01805      | Thursday   | 1:15-4:15 PM  | even            | 13                           |
| PHYS122 Lab #9     | 34758      | Thursday   | 6:00-9:00 PM  | odd             | 16                           |
| PHYS124 Lab #1     | 84819      | Wednesday  | 3:00-6:00 PM  | odd             | 23                           |
| PHYS124 Lab #2     | 18885      | Wednesday  | 6:30-9:30 PM  | odd             | 23                           |

Note: *Italics* means P113B students.