

Lyon College Batesville Campus: Standard Course Policies, Spring, 2025

These policies apply to all courses offered at Lyon College's Batesville campus. Details related to a specific course can be found in the rest of the course's syllabus.

Honor Code

All graded work in this class is to be pledged in accordance with the Lyon College Honor Code. The use of a phone for any reason during the course of an exam is considered an Honor Code violation.

Class Attendance Policy

Students are expected to attend all class periods for the courses in which they are enrolled. They are responsible for conferring with individual professors regarding any missed assignments. Faculty members are to provide absence notification through the Early Alert System which informs the academic advisor, Director of Student Success, and the Provost when a student misses the equivalent of one, two, three, and four weeks of class periods in a single course. Under this policy, there is no distinction between "excused" and "unexcused" absences, except that a student may make up work missed during an excused absence. A reminder of the College's attendance policy will be issued to the student at one week, a second reminder at two weeks, a warning at three weeks, and notification of administrative withdrawal and the assigning of an "AW" grade at four weeks.

Students, please note: the policy stated above means that every single absence, regardless of reason, counts toward the four-week maximum.

Academic Support

The Morrow Academic Center (MAC) assists students who want to improve grades or academic skills by providing peer-led services including Supplemental Instruction (SI), tutoring, the Writing Center, and academic coaching as well providing 24-hour, online tutoring for all subjects through online tutoring. A schedule of peer-led services is available at lyon.edu/mac and online tutoring is accessed through courses in Canvas. Contact Donald Taylor, Director of Academic Support and Accessibility, at (870) 307-7319 or donald.taylor@lyon.edu for more information about MAC services.

Technology Support

For any technology-related support, you can contact the IT department by emailing support@lyon.edu or by calling 870-307-7555. You can also navigate to support.lyon.edu to submit a ticket request. Your course content will be accessible digitally using the Canvas Learning Management System (LMS), which uses your myLyon credentials for your student login. To access Canvas, login at lyon.instructure.com.

NOTE: Students taking RISE courses will use the [RISE Canvas LMS login](#).

Disabilities

Students seeking reasonable accommodations for learning, psychological, or physical disabilities must contact Donald Taylor, Director of Academic Support and Accessibility, in the Morrow Academic Center at (870) 307-7319 or at donald.taylor@lyon.edu.

Harassment, Discrimination, and Sexual Misconduct

Lyon College seeks to provide all members of the community with a safe and secure learning and work environment that is free of crime and/or policy violations motivated by discrimination, sexual and bias-related harassment, and other violations of rights. The College has a zero-tolerance policy against gender-based misconduct, sexual assault, and interpersonal violence toward any member or guest of the Lyon Community. The College encourages anyone

experiencing or knows of someone experiencing harassment, discrimination, or sexual misconduct to speak to and file an official report with our Title IX Coordinator, located on the first floor of the Edwards Commons Building #27, in the Student Life suite. All college employees (faculty, staff, administrators) are required to report actual or suspected incidents of harassment, discrimination, intimidation, and violence to appropriate officials immediately. However, there are limited exceptions, referred to as confidential reporters (Campus Clinic Director, the Chaplain, or the Director of Mental and Behavioral Health). Confidentiality will be maintained to the greatest extent possible within the constraints of the law. [Title IX Reporting Tool](#). [Lyon College Title IX Policy](#).

Mental & Behavioral Health

Lyon College is dedicated to ensuring each student has access to mental and behavioral health resources. The College's Mental and Behavioral Health Office is located in Edwards Commons and is partnered with White River Health's Behavioral Health Clinic. The office is committed to helping the Lyon community achieve maximum mental and behavioral wellness through both preventative and reactive care. A full-time, licensed, professional counselor provides counseling, consultations, outreach, workshops, and many more mental and behavioral services to Lyon students, faculty, and staff at no cost. The Mental and Behavioral Health Office also provides access to White River Health's services and facilities, including medication management and in-patient and out-patient care. To make an appointment, contact counseling@lyon.edu.

College-Wide COVID-19 Policies for Spring, 2025

The federal COVID-19 Public Health Emergency Declaration ended on May 11, 2023. **Except for individuals who, post-infection, may be directed to do so by Jennifer Morrison, Director of the Campus Clinic, masking will not be required in any campus space.** Vaccines are strongly encouraged for all faculty, staff, and students. Vaccines are not mandated for Lyon College community members, although there may be specific courses involving travel or interactions with vulnerable, external populations where a vaccine may be required.

The rest of a course's syllabus will include at least the following:

- A description of the course consistent with the Lyon College catalog.
- A list of student learning outcomes for the course.
- A summary of all course requirements.
- An explanation of the grading system to be used in the course.
- Any course-specific attendance policies that go beyond the College policy.
- Details about what constitutes acceptable and unacceptable student collaboration on graded work.

Tentative Syllabus for Physics 382: Fall 2025

Topic: Electricity and Magnetism

Professor: Dr. Stuart Hutton

Office: Derby Center: 248 Research Lab: Derby 219: General Physics lab: 148

Phone: 870 307 7560

Email: stuart.hutton@lyon.edu

To access the Physics Gateway: physics.lyon.edu

During tests: All networked devices are to be switched off except as provided in test instructions. No communication between students is to occur regarding test content. During testing periods, all questions should only be directed to me.

Grading

As a general guide to grades, grades will be assigned as follows:

100-90]	(90-80]	(80-70]	(70-60]	<(60
A	B	C	D	F

In this course, you will have several grading opportunities, tests, homework and in-class problems. The various weight of each of these activities in your final point grade is shown below. Late assignments will normally not be accepted. Additionally, since we will be doing in-class problems, poor attendance will negatively affect your grade: in particular, you will not receive credit for class participation for unexcused absences.

Tests (3 tests)=75%

Each test is worth 25% of your grade

In-class problems/participation=15%

Lab projects=10%

All lab projects must be completed with the report accepted or your course grade will be reduced by 10%.

Your work on tests will be graded for correctness and clarity. **Failure to supply details leading to a result will result in very little credit for a problem.** If you want full credit for a problem, **you must** supply the logical steps that led to the result and the result **must include proper units.** Diagrams should be included where appropriate to define quantities used in your result.

Notice that the schedule specifies due dates and times for the three tests. You are expected to provide me with your tests by the time specified. **Please hand in your tests on time. When you prepare your test answers, neatness and readability is important. Please take the time to make sure that your problem answers are worthy presentations of yourself.**

Course Description

This course treats non-quantum Electricity and Magnetism. It introduces foundations, principles and basic approaches of classical Electricity and Magnetism to enable a deeper understanding of nature. Refer to Primary Learning Outcomes for a more complete presentation of topics.

.Course Objectives

As a consequence of this course, you will be able to apply the postulates of Electricity and Magnetism to important problems. In addition, you should come away from this course with an ability to solve fundamental and advanced problems involving Electricity and Magnetism.

Course Prerequisites

You are expected to be proficient with algebra, trigonometry, calculus and elementary differential operations. Prerequisite: MTH 220, and either PHY 220 or PHY 250 or permission of instructor.

Text

The textbook in this course is:

Introduction to Electrodynamics

Third Edition

By David J. Griffiths

ISBN:0-13-805326-x

You have many resources on the campus: the library, your colleagues and your instructor. Your prime learning resource, however, must be considered to be the classroom so class attendance is expected. **Excessive absences will negatively impact your final grade.** The text must be considered to be a very important resource so students are expected to be reading along in the text as the course progresses. The schedule is designed around this particular text edition. You may use earlier or later editions but you will need to be sure to read the correct portions of the text. **Again: the text must be considered to be a very important resource so students are expected to be reading along in the text as the course progresses.**

You have many resources on the campus: the library, your colleagues and your professor. Your prime learning resource, however, must be considered to be the classroom.

Punctual and complete class attendance is expected. Absences will negatively impact your final grade. Use of a networked device to communicate (aside from downloading class materials) during class will be considered equivalent to an unexcused absence. Tardiness is considered to be an unexcused absence and will negatively impact your final grade; in general you do not have permission to enter the classroom after class has started.

Academic Honesty

It is expected and encouraged that students in this class will work together on homework problems. If you use reference work, be sure to include proper references. On tests, students are required to keep notes and books closed except as instructed. All questions during tests should be directed to the professor only and students are not permitted to communicate with each other (regarding course content) during tests. Except as permitted by the conditions of I specify on tests, you may not reference material or resources on the internet.

CLASS SCHEDULE / OFFICE HOURS Spring 2025

**Office
Derby 248**

**General Lab
Derby 148**

**Research Lab
Derby 219**

PROFESSOR Stuart Hutton

Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:50 Phy250.01 Fundamentals of Physics II Derby 007	8:00-9:15	8:00-8:50 Phy250.01 Fundamentals of Physics II Derby 007	8:00-9:15	8:00-8:50 Phy250.01 Fundamentals of Physics II Derby 007
9:00-9:50 PHY220.01 General Physics 2 Derby 007		9:00-9:50 PHY220.01 General Physics 2 Derby 007		9:00-9:50 PHY220.01 General Physics 2 Derby 007
10:10-10:50 Office Hours Derby 248	9:30-10:00	10:10-10:50 Office Hours Derby 148	9:30-10:00	10:10-10:50 Office Hours Derby 248
11:00-11:50 Lunch		11:00-11:50 Lunch	11-11:50	11:00-11:50 Lunch
			12:00 - 12:50 Phy321.01 Astrophotography Derby 148	
	13:00-15:30 Phy382.01 Special Topics Electricity and Magnetism Derby 148	13:00-15:50 PHY251.01 Fundamentals of Physics Lab 1 Derby 148	13:00-15:50 PHY251.02 Fundamentals of Physics Lab 2 Derby 148	13:00-15:50 PHY251.03 Fundamentals of Physics Lab 3 Derby 148
P&T 4-4:50		Phy241DS by arr		

Tentative Schedule for Physics 382: Spring 2025
Topic: Electricity and Magnetism
Actual coverage may be less than or more than that indicated.
Test dates indicated are approximate respecting coverage.
For more detail, refer to the class website.

Week of:	Text Reading and Coverage	Events of importance
January 13, 2025	(week 1)	Course Introduction
January 20, 2025	Chapter 2	
January 27, 2025	Chapter 2	
February 03, 2025	Chapter 2	
February 10, 2025	Chapter 3	
February 17, 2025	Chapter 3	
February 25, 2025	Test 01 Due	Approximate date
March 03, 2025	Chapter 3	
March 10, 2025	Chapter 4	
March 17, 2025	Chapter 5	
March 24 - March 28	Spring Break	
March 31, 2025	Chapter 5	
April 08, 2025	Test 02 Due	Approximate date
April 07, 2025	Chapter 6	
April 14, 2025	Chapter 7	
April 21, 2025	Chapter 8-Chapter 9	
April 28, 2025	Chapter 9	
May 05, 2025	Test 03 Due	Firm date
May 05, 2025	Chapter 9-Chapter 10	
Friday May 09, 2025	Last day of classes	

Notes on the lab write-up for physics labs Spring 2025

Your first (cover) page should include the following information:

Your Name, Date, Partners, Title of Experiment and the abstract.

(Then insert a page break)

Each lab must be the unique written effort of the student submitting the report. You may NOT reference or use lab reports (prepared by others) in your report preparation although you are most certainly encouraged to talk to your lab colleagues.

Lab reports must be electronically submitted to the appropriate address as a single pdf document. Links to external documents are not accepted.

Title: Concise wording that describes the essence of the lab.

Abstract - a summary of your research including general methods and major conclusions. This is usually one paragraph long and should convince someone to read your paper. Include a statement of your hypothesis here and if data supported it.

Introduction: An overview of your experiment, statement of hypothesis, what you did and what the theory was behind the experiment.

Methods: - A brief discussion of experimental techniques. Diagrams are usually appropriate in this section.

Results -written usually in the past perfect tense or passive voice; describes your findings, data collected, and includes data tables, graphs, general trends, derived formulas, etc. All work and data tables must be shown here. In general, you need to have a copy of your original data with you but the data included in the lab report can be copied from your original data. Data should be absent of obvious errors (since you would have tracked down these items).

Discussion and analysis - tense can vary, describes your results in relation to other data, discusses problem associated with the lab, postulates trends in the data, predicts results given different circumstances, suggests sources of error, etc. Discuss how the data supports, or does not support your hypothesis and how well such support is in terms of error analysis such as percent differences. **Be sure to include sample calculations in this section.**

Literature Cited - a list of books, articles, etc., that you used to assist you in presenting your data and which were referred to in the write-up. **When citing a reference from the internet, you MUST include the URL that points directly to the document so that a single click of the mouse will bring up that exact document. Every lab report will have at least 1 citation or the report will not be accepted.**

Your presentation of the lab is important. Be sure it is grammatically correct and neatly typed. Be careful of tense changes within a paragraph. Data collected during a lab must be authentic. "Fudging" is unacceptable and unnecessary.

Lab write-ups should be as **concise** as possible within these guidelines. I am not looking for exhaustive tomes of work in a lab write-up.

Physics Lab Grading Rubric Spring 2025

Note: Each student has the opportunity to revise deficient portions of the lab report during the lab period except for teamwork, arrival and departure. This should be regarded as a guide to required elements of a completed lab. Do remember that in order to receive credit for a lab, it must be accepted.

	1	0.5	0
Scientific Thought	Hypothesis in abstract and introduction. Supporting evidence (or non-supporting) discussed in conclusion.	Hypothesis in abstract and introduction but not relevant and supporting evidence (or non-supporting) not discussed in conclusion.	Hypothesis absent in abstract and introduction; Supporting evidence (or non-supporting) not discussed in conclusion
Critical thinking	Correct discussion of experiment, and how results relate to hypothesis.	Incomplete discussion of experiment and how results relate to hypothesis	poor or absent discussion of experiment, and how results relate to hypothesis.
Inquiry and Analysis	Complete discussion of experimental technique and data results	incomplete discussion of experimental technique and data results	poor or absent discussion of experimental technique and data results
Informational Literacy	Correct physical terminology contained in report. At least one reference present.	incomplete physical terminology contained in report. Reference present but not correct.	incorrect or absence of physical terminology contained in report. Reference not present.
Quantitative Literacy	Correct usage of calculations including spreadsheets	correct usage of calculations including spreadsheets but something significant missing	Absent or incorrect usage of calculations including spreadsheets
Teamwork	Successful team completion of lab		Unsuccessful team completion of lab
Arrival	on time		tardy or absent
Departure	Work space returned as it was when arriving		Workspace left in disorder upon departure
Overall report	All required elements present		Required elements missing.
Quality	experimental results presented without obvious errors		experimental results presented with obvious errors

Safety regulations for General Physics Labs SP2025

- (1) Anytime springs are used in lab, safety goggles must be worn.
- (2) Anytime boiling water is used in lab, safety goggles must be worn.
- (3) You should not look at laser light or point it towards other people.
- (4) In the event of a spill (which will be water), dispense a towel from the spill kit (aka towel dispenser) and wipe up the spill.
- (5) Food and drink are not permitted in lab.
- (6) In accord with the Lyon mask requirement, you must wear an appropriate mask at all times in the lab. Cover your keyboard with the wrap provided, use your mouse with cover provided. At the end of the lab period, remove and discard these coverings.

Attach this form to your email (as an extra attachment today) when you send in your introductory lab report. In your lab report, right below your name, you should say this:
I have read the safety regulations attached to this email.

Student Learning Outcomes for Phy382 R2025

Student Learning Outcomes for the Physics Program at Lyon College

Note that Phy382 is Selected Topics; it is always taught with Electricity and Magnetism as the topic.

1. Students who complete Selected Topics (as E&M) (Phy382) are able to quantitatively apply:

1a. differential and integral calculus to problems involving the physics of electrostatics.

1b. differential and integral calculus to problems involving the physics of magnetostatics.

1c. differential and integral calculus to problems involving the physics of electric and (**time permitting**) magnetic materials.

1d. [**Time permitting**] differential and integral calculus to the physics of boundary value problems including waveguides and TEM waves. As an alternative [again time permitting], the physics of transformation of Electric and Magnetic fields to moving frames including that of a moving point charge. As an additional alternative [again, time permitting], the physics of the interaction of TEM waves at dielectric interfaces.

The quantitative aspects (1a,1b,1c, [1d]) can be measured of portions of currently-used exam problems graded according to the problem solving rubric.