

# Physics for Sci & Eng Lab I

PHYS - 2215 001

## Course Description

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Graded laboratory. It is recommended that students take PHYS 2210 in the same semester as this course.

Prerequisite(s): ENGR 1010 or MATH 1210

Semester: All

## Course Student Learning Outcomes

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- Learn physics principles through hands-on experience. Specific principles covered include forces, mechanics, fluids, and thermodynamics.

## Course Prerequisites

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Concurrent or previous enrollment in PHYS 2210.

## Engagement Plan

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Example language:

- I will respond to email within 1 business day. I will offer feedback on major assignments within 1 week of submission. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication

## Course Content Advisory

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Students are liable for any equipment they break or that goes missing

## Required Text or Materials

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### **Title: Physics 2215 Lab Manual**

For more information on textbook accessibility, contact Accessibility & Disability Services at [ads@slcc.edu](mailto:ads@slcc.edu).

## Brief Description of Assignments/Exams

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LAB EXPERIMENT ASSIGNMENTS: Each experiment has 3 assignments. The pre-lab assignment is due before the lab is performed in class. Pre-lab assignments are done individually. During class, you will fill in a report worksheet with your lab partner. This is due by the end of the class period. After class, you have a post-lab assignment that is due one week after you perform the experiment. The post-lab assignment is done individually. More information regarding these assignments, the requirements, and point values are provided in your manual and on canvas. Lab reports must be typed and include data tables and graphs if necessary. It is the student's responsibility to make sure that all information presented in the report worksheet is present and legible. If the instructor can't read it, it is wrong. More information on lab reports is provided in other documents. Some labs contain extensions, check the extensions list on canvas to know if they should be completed. Some class periods will perform more than one experiment. Pay close attention to the posted schedule.

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Learning Outcomes Assessment</a>	Assignment	0

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Program Learning Outcomes Assessment</a>	Assignment	243
	<a href="#">Roll Call Attendance</a>	Assignment	100
9/3/25	<a href="#">Pre-Lab 1</a>	Quiz	36
9/3/25	<a href="#">Statement of Completion Quiz</a>	Quiz	33
9/3/25	<a href="#">Lab #1 Report</a>	Assignment	82
9/10/25	<a href="#">Post-Lab 1</a>	Quiz	23
9/10/25	<a href="#">Pre-Lab 2A</a>	Quiz	8
9/10/25	<a href="#">Pre-Lab 2B</a>	Quiz	18
9/10/25	<a href="#">Lab #2A Report</a>	Assignment	89
9/10/25	<a href="#">Lab #2B Report</a>	Assignment	94
9/17/25	<a href="#">Post-Lab 2A</a>	Quiz	15
9/17/25	<a href="#">Post-Lab 2B</a>	Quiz	29
9/17/25	<a href="#">Pre-Lab 3A</a>	Quiz	10
9/17/25	<a href="#">Pre-Lab 3B</a>	Quiz	8
9/17/25	<a href="#">Lab #3A Report</a>	Assignment	81
9/17/25	<a href="#">Lab #3B Report</a>	Assignment	90
9/24/25	<a href="#">Post-Lab 3A</a>	Quiz	30
9/24/25	<a href="#">Post-Lab 3B</a>	Quiz	25
9/24/25	<a href="#">Pre-Lab 4A</a>	Quiz	4
9/24/25	<a href="#">Pre-Lab 4C</a>	Quiz	6

<b>Due Date</b>	<b>Assignment Name</b>	<b>Assignment Type</b>	<b>Points</b>
9/24/25	<a href="#">Lab #4A Report</a>	Assignment	57
9/24/25	<a href="#">Lab #4C Report</a>	Assignment	58
10/1/25	<a href="#">Post-Lab 4A</a>	Quiz	15
10/1/25	<a href="#">Post-Lab 4C</a>	Quiz	30
10/1/25	<a href="#">Pre-Lab 4B</a>	Quiz	5
10/1/25	<a href="#">Lab #4B Report</a>	Assignment	83
10/8/25	<a href="#">Post-Lab 4B</a>	Quiz	30
10/8/25	<a href="#">Pre-Lab 5</a>	Quiz	7
10/8/25	<a href="#">Lab #5 Report</a>	Assignment	165
10/15/25	<a href="#">Post-Lab 5</a>	Quiz	30
10/15/25	<a href="#">Pre-Lab 6A</a>	Quiz	10
10/15/25	<a href="#">Lab #6A Report</a>	Assignment	84
10/22/25	<a href="#">Post-Lab 6A</a>	Quiz	24
10/22/25	<a href="#">Pre-Lab 6B</a>	Quiz	12
10/22/25	<a href="#">Lab #6B Report</a>	Assignment	137
10/29/25	<a href="#">Post-Lab 6B</a>	Quiz	31
10/29/25	<a href="#">Pre-Lab 7</a>	Quiz	5
10/29/25	<a href="#">Lab #7 Report</a>	Assignment	111
11/5/25	<a href="#">Post-Lab 7</a>	Quiz	21
11/5/25	<a href="#">Pre-Lab 8</a>	Quiz	10
11/5/25	<a href="#">Lab #8 Report</a>	Assignment	158
11/12/25	<a href="#">Post-Lab 8</a>	Quiz	22

Due Date	Assignment Name	Assignment Type	Points
11/12/25	<a href="#">Pre-Lab 9</a>	Quiz	16
11/12/25	<a href="#">Lab #9 Report</a>	Assignment	97
11/19/25	<a href="#">Post-Lab 9</a>	Quiz	27
11/19/25	<a href="#">Pre-Lab 10</a>	Quiz	14
11/19/25	<a href="#">Lab #10 Report</a>	Assignment	175
12/3/25	<a href="#">Post-Lab 10</a>	Quiz	30
12/3/25	<a href="#">Pre-lab 11</a>	Quiz	11
12/3/25	<a href="#">Lab #11 Report</a>	Assignment	184
12/10/25	<a href="#">Post-lab 11</a>	Quiz	27
12/10/25	<a href="#">Pre-Lab 12</a>	Quiz	6
12/10/25	<a href="#">Lab #12 Report</a>	Assignment	72
12/17/25	<a href="#">Post-Lab 12</a>	Quiz	24

## Grading Scale

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Grading Scale	
A	93 – 100%
A-	90 – 92%
B+	87 – 89%
B	83 – 86%
B-	80 – 82%
C+	77 – 79%
C	73 – 76%
C-	70 – 72%
D+	67 – 69%
D	63 – 66%

D-	60 – 62 %
E	< 59%

## How to Navigate to Canvas

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## Institutional Policies

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As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

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We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

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At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to

access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## [Student Academic Calendar](#)

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As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)