

Intro to Comp Methods in Phys

PHYS - 2500 401

Course Student Learning Outcomes

- Describe the common software applications used by the physics professional.
- Solve basic physics problems encountered in classical mechanics or electricity and magnetism using numerical or symbolic software.
- Apply basic procedural programming ideas and concepts in actual programming code.
- Translate basic algorithms into programming code.

College Wide Student Learning Outcomes

- See Canvas Syllabus

Course Prerequisites

PHYS 2210 with PHYS 2220 Recommended

Engagement Plan

Example language:

- I will respond to email within 3 days. I will offer feedback on major assignments within two weeks. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.

- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

- Be prepared for class – read the provided materials, think about the material and prepare questions you want to ask.
- Take responsibility for your learning – form study groups, and discuss class topics, do the homework early.
- Find examples of current class topics in current events – bring them in to discuss with the class.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0
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8/27/25	Quiz: Aug 27	Assignment	5
9/3/25	Quiz: Sept 3	Assignment	5
9/7/25	HW 1	Assignment	20
9/8/25	Quiz: Sept 8	Assignment	5
9/10/25	Quiz: Sept 10	Assignment	5
9/14/25	HW 2	Assignment	20
9/15/25	Quiz: Sept 15	Assignment	5
9/17/25	Quiz: Sept 17	Assignment	5
9/22/25	Quiz: Sept 22	Assignment	5

Due Date	Assignment Name	Assignment Type	Points
9/24/25	Quiz: Sept 24	Assignment	5
9/29/25	Quiz: Sept 29	Assignment	5
10/1/25	Quiz: Oct 1	Assignment	5
10/6/25	Quiz: Oct 6	Assignment	5
10/6/25	Exploration 1	Quiz	5
10/8/25	Quiz: Oct 8	Assignment	5
10/13/25	Quiz: Oct 13	Assignment	5
10/15/25	Quiz: Oct 15	Assignment	5
10/20/25	Quiz: Oct 20	Assignment	5
10/22/25	Quiz: Oct 22	Assignment	5
10/27/25	Quiz: Oct 27	Assignment	5
10/29/25	Quiz: Oct 29	Assignment	5
11/3/25	Quiz: Nov 3	Assignment	5
11/5/25	Quiz: Nov 5	Assignment	5
11/6/25	Exploration 2	Quiz	5
11/10/25	Quiz: Nov 10	Assignment	5
11/12/25	Quiz: Nov 12	Assignment	5
11/17/25	Quiz: Nov 17	Assignment	5
11/19/25	Quiz: Nov 20	Assignment	5
11/24/25	Quiz: Nov 24	Assignment	5
12/1/25	Quiz: Dec 1	Assignment	5
12/3/25	Quiz: Dec 3	Assignment	5

Due Date	Assignment Name	Assignment Type	Points
12/6/25	Exploration 3	Quiz	5
12/8/25	Quiz: Dec 8	Assignment	5
12/10/25	Quiz: Dec 10	Assignment	5
12/10/25	Project	Assignment	50

Brief Description of Assignments/Exams

See updated scheduled in Canvas.

Grading Scale

A	> 93%
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%

Academic Integrity

Ethics: The student is expected to follow the SLCC Student Code of Conduct found at https://www.slcc.edu/policies/policies/student_affairs/8.1.050.aspx. Evidence of cheating

will constitute grounds for dismissal from the class and an 'E' grade. Turn off cell phones prior to coming to class.

How to Navigate to Canvas

Institutional Policies

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

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

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](#)

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](#)