

Pearson

Reviewers Guide

Mississippi HQIM Adoption

AP[®] Science: AP[®] Physics C (E+M; Mechanics)

Physics for Scientists and Engineers: A Strategic Approach with Modern Physics, ©2022, AP[®] Edition

Title Overview

Uses concepts from Physics Education Research and cognitive science to help students understand concepts and learn how to solve problems. The author focuses on qualitative reasoning through teaching physics principles and problem-solving skills using a clear, step-by-step method. Shows how physics connects to everyday life and covers models, modeling, and advanced topics.

- **Real-world applications:** Model boxes examine real-world scenarios, to know when/how to use repeated models to solve problems. New content on Entropy quantitatively, Viscosity and Poiseuille's Equation, and Carnot Efficiency details and optional topics are added.
- **Skill development:** Includes the 4-step framework of Model-Visualize-Solve-Review to solve problems. Tactics Boxes give step-by-step procedures for developing skills.
- **Review:** Looking Back Pointers direct students to the exact point in a previous chapter to use when applying or reviewing concepts.
- **Learning with practice:** Enhanced Chapter Previews answer key questions and provide clear overviews of chapter's key principles.
- **College Board alignment:** Correlates to the College Board AP[®] Physics C: Mechanics Course Framework, Fall 2024, and College Board AP[®] Physics C: Electricity and Magnetism Course Framework, Fall 2024.

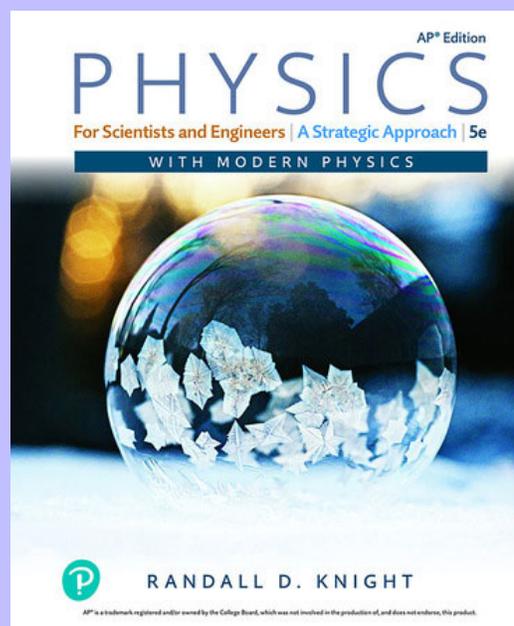
Review text link:

<https://mlm.pearson.com/>

Access Credentials:

Username: msscienceandcte2025

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The Pearson Sample Credentials for this title permit multiple users in multiple locations to review the text and its features simultaneously. As such, these credentials represent all categories of digital access requested (demo, limited, and full access). If this title is selected for adoption, Pearson will provide demo access for the full adoption period and/or provide alternate logins, as needed.

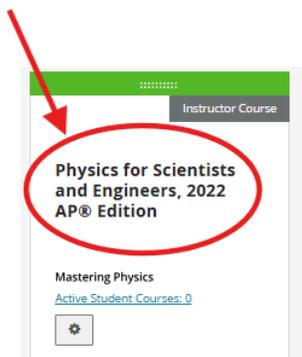
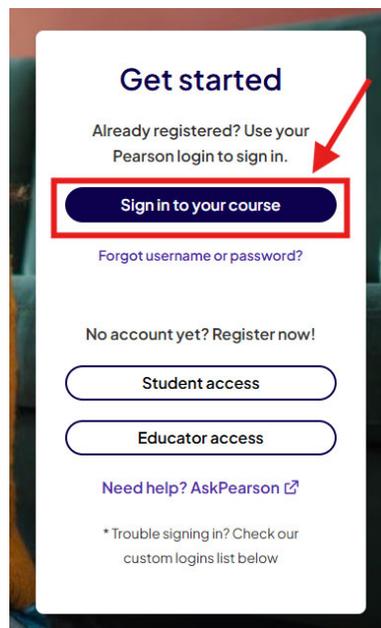
Access Credentials

1. Navigate to:

<https://mlm.pearson.com/>

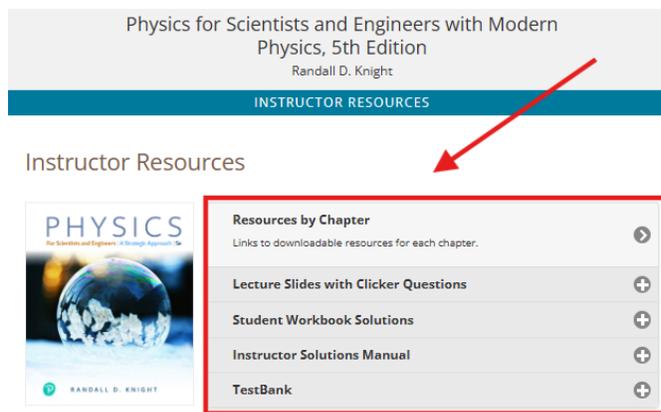
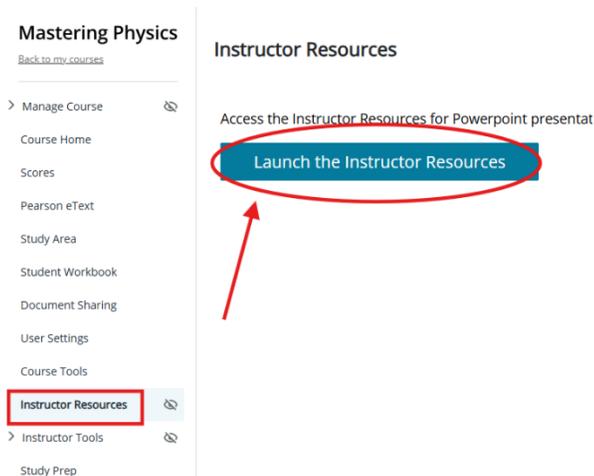
2. Select “Sign in to your course”

- Enter the credentials:
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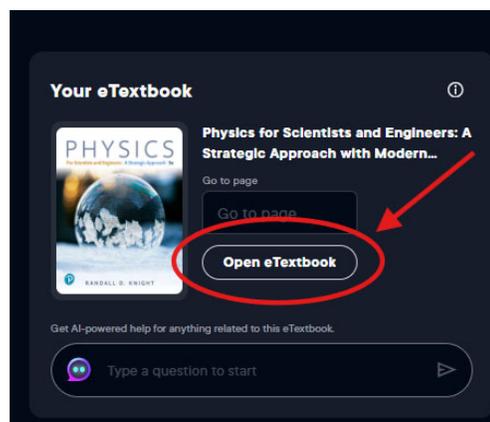
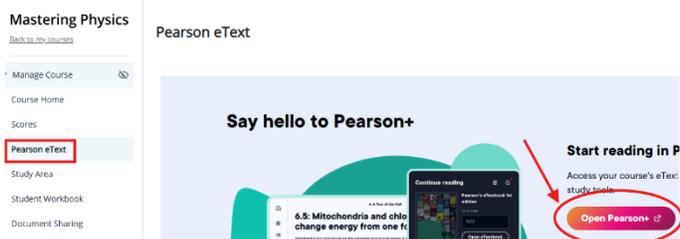
3. Accessing a Course

- Select the course/title desired by hovering over the title and clicking.
- On the Course Home Screen, choose the materials you want to review.
- To review the Instructor Resources, select “Instructor Resources” from the left menu, then “Launch the Instructor Resources”.
- When selected, a new tab will open.

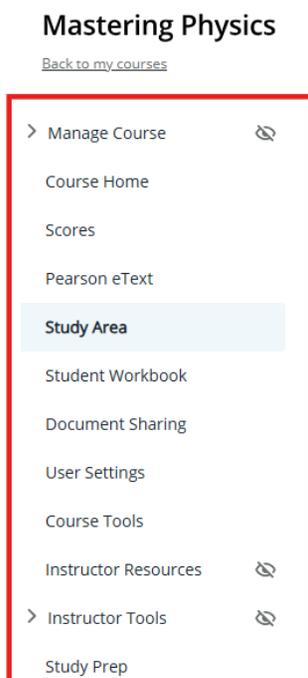


4. Reviewing the etext

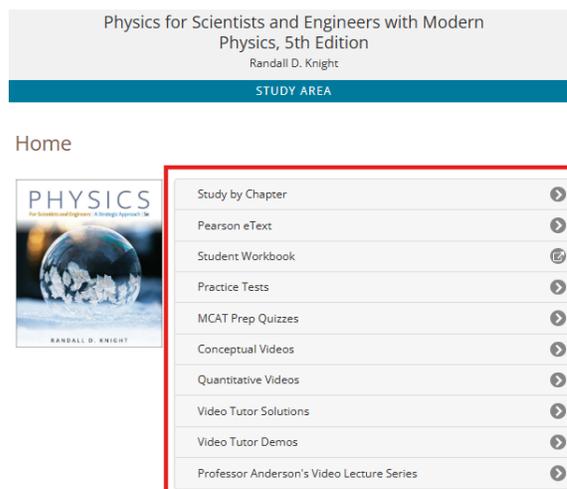
- From the first tab's left menu, select "Pearson eText", then "Open Pearson+".
- A new tab will open. Select "Open eTextbook."
- In the eTextbook, use the left menu to explore the AI Study Tool, table of contents, notebook, flashcards, and other features.



5. Reviewing Additional Resources



- From the first tab, use the left menu to explore options under the "Study Area" to view student resources, "Dynamic Study Modules", "Instructor Tools", etc.
- Note:** From the Student view, the course looks like the course seen here, except that the "Modify" buttons are not available, along with other options showing the "hidden from student view" icon.



6. Guided Platform Walkthrough

- For a guided Mastering walkthrough, including an overview of key features, please visit:
https://youtu.be/8njjbvlyueQ?si=1UncaE_MD3a-j4Ru



7. Formats available

- Physics for Scientists and Engineers: A Strategic Approach with Modern Physics, ©2022 AP® Edition (HS Binding) + Mastering with Pearson eText--6 year; 9780137302260; Book + 6 year digital
- Physics for Scientists and Engineers: A Strategic Approach with Modern Physics, ©2022 AP® Edition (HS Binding) + Mastering with Pearson eText--1 year; 9780135447871; Book + 1 year digital
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