

STUDENT TUTORIAL

1. Getting Started

- If you already have an eGrade Plus username and password, just go to <http://egradeplus.wiley.com> and log in. You may be asked to submit an **access code**, if you have not already done so. Then, you should be taken directly to your class section.

The screenshot displays the eGrade Plus website interface. At the top, the 'eGrade Plus' logo is on the left, and the 'WILEY' logo is on the right. Below the logo, a green banner contains the text 'eGrade Plus: Home | Help | Contact us'. The main content area is divided into two columns. The left column features a 'Login' section with input fields for 'E-mail Address' and 'Password', a 'Submit' button, and a link for 'Need help with logging in?'. Below the login section are two tabs: 'RESOURCES FOR STUDENTS' and 'RESOURCES FOR INSTRUCTORS'. The 'RESOURCES FOR STUDENTS' tab is active, showing links for 'Purchase a Registration Code', 'Student: Quick Start Guide', and 'Find Your Wiley Sales Representative'. The 'RESOURCES FOR INSTRUCTORS' tab shows links for 'Instructor: Quick Start Guide' and 'Peer-to-Peer Training'. The right column contains a 'STUDENTS' section with links for 'Need a registration code?', 'Forgot your username?', and 'Contact your course instructor'. Below this is an 'INSTRUCTORS' section with a link for 'Not registered? Having problems?'. At the bottom of the page, there is a footer with 'Privacy Policy', '© 2000-2005 John Wiley & Sons, Inc.', and 'Version 2.0.0 RC 1'. A 'Login' button is located at the bottom left of the page.

Welcome to eGrade Plus from Wiley Higher Education.
eGrade Plus is a powerful online tool that provides instructors with an integrated suite of teaching and learning resources in one easy-to-use Website. It is available with many of Wiley's market-leading texts.

Login

E-mail Address
Password
[Need help with logging in?](#) **Submit**

RESOURCES FOR STUDENTS

- ▶ [Purchase a Registration Code](#)
If you did not purchase your eGrade Plus registration code in a package with your textbook, you can buy it online.
- ▶ [Student: Quick Start Guide](#)
Tips to help you get up and running fast.

RESOURCES FOR INSTRUCTORS

- ▶ [Find Your Wiley Sales Representative](#)
Contact your Wiley sales representative for demos and trials of eGrade Plus software.
- ▶ [Instructor: Quick Start Guide](#)
Tips to help you get up and running fast.
- ▶ [Peer-to-Peer Training](#)
The Wiley Resource Network provides virtual training sessions and one-on-one assistance throughout the year.

STUDENTS

Need a registration code?
[Buy one here.](#)

Forgot your username?
[Contact your course instructor.](#)

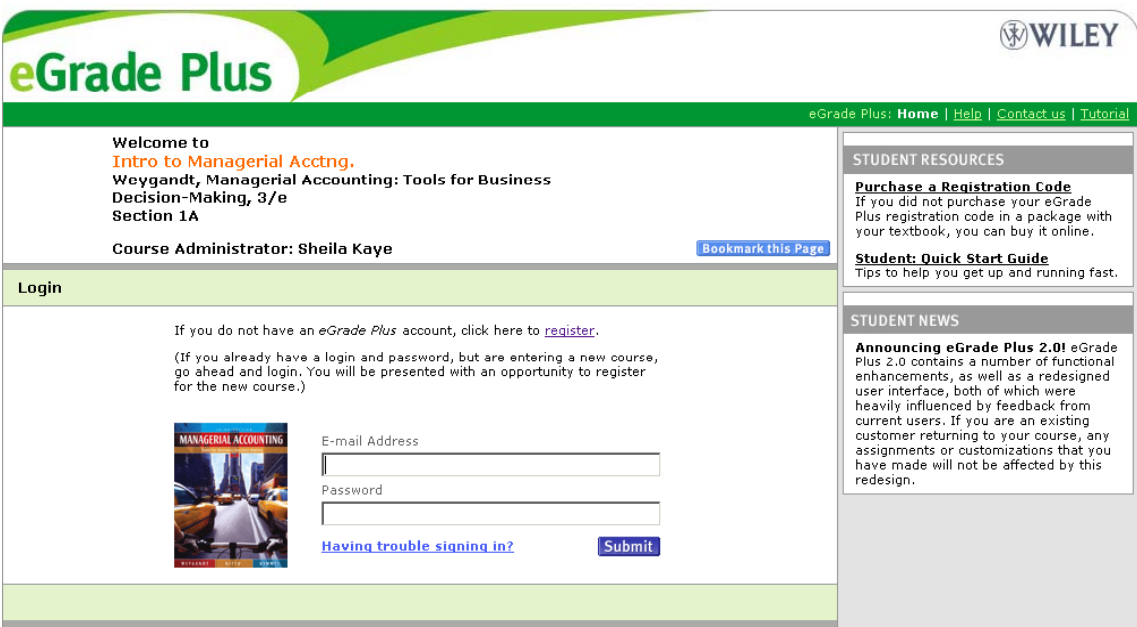
INSTRUCTORS

Not registered? Having problems?
[Contact your Wiley sales representative.](#)

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Login

- If you don't have a username and password, just take a few minutes to **register**. For this, you'll need two things: your class section URL, and your eGrade Plus access code. (If you don't have an access code, don't worry. We give you the opportunity to purchase one.)
- Your instructor should have provided you with a **class section URL**, which will look something like this: <http://edugen.wiley.com/edugen/class/cls1001> Type or paste this URL into your web browser. You should see the name of the course corresponding to your textbook (e.g. Cutnell & Johnson, Physics).



The screenshot shows the eGrade Plus login interface. At the top, the 'eGrade Plus' logo is on the left, and the 'WILEY' logo is on the right. A green navigation bar contains links for 'Home', 'Help', 'Contact us', and 'Tutorial'. The main content area is divided into two columns. The left column, titled 'Login', contains a welcome message for 'Intro to Managerial Acctng.' by Weygandt, a course administrator name 'Sheila Kaye', and a 'Bookmark this Page' button. Below this is a login form with fields for 'E-mail Address' and 'Password', a 'Submit' button, and a link for 'Having trouble signing in?'. A small book cover image for 'MANAGERIAL ACCOUNTING' is also present. The right column contains two sections: 'STUDENT RESOURCES' with links for 'Purchase a Registration Code' and 'Student: Quick Start Guide', and 'STUDENT NEWS' with an announcement for 'eGrade Plus 2.0!'. The footer of the page reads 'Class Section Login Page'.

Class Section Login Page

- eGrade Plus

WILEY

eGrade Plus: [Home](#) | [Help](#) | [Contact us](#) | [Tutorial](#)

Login >> Registration: Student Profile

Create a user profile by providing the following information. An asterisk (*) indicates a required field. You may change your information later by clicking on My Profile.

Some printed instructions indicate that you should enter your registration code here. Please disregard. The system has been upgraded, and you will be asked for your registration code on a subsequent page, once your account has been created.

First Name*: Kevin

Last Name*: Miller

E-mail: 727student@wiley.com

Phone: 727student@wiley.com

Student id:

Password*:



Confirm Password*:

Class:

Submit

Student Registration > Create Profile

- Finally, you will be asked to submit an **access code**. If you bought a new textbook, you should have received an access code in the package. Scratch off the card, and fill in the code exactly as it appears. Access codes are case sensitive.



eGrade Plus: [Home](#) | [Help](#) | [Contact us](#) | [Tutorial](#)

[Login](#) >> **Registration Code**

Enter your registration code. You should have received a registration code when you purchased your textbook.


If you do not have a registration code, you can [purchase one here](#).

Registration Code: - - -

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Student Registration > Enter Access Code

- If you don't have an access code, select the option to ***purchase*** one. Follow the steps to buy a code via the Wiley website. When you complete the process and receive your code, return to eGrade Plus and enter it.


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*If you change quantities remember to click "Update"			
Ordering Information for Tax-Exempt Customers			
Current Total			\$51.95

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Student Registration > Purchase an Access Code

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Version 2.0.0 RC 1

2. Read, Study & Practice

- **Read, Study & Practice** is the area for self-guided student activity. All the study materials provided for this course are organized according to the structure of the book (by chapter). You can also switch to the resource type view to see all materials organized by type. Your instructors can also create or assemble class-specific study materials and add them to Read, Study & Practice.

The screenshot displays the 'Physics I' course interface. At the top, there is a navigation bar with links for 'Home', 'Read, Study & Practice', 'Assignment', and 'Gradebook'. Below this, the 'Read, Study & Practice' section is active, and a 'Browse by Table of Contents' tab is selected. The main content area lists 28 chapters, each with a blue hyperlink. The chapters cover topics from basic physics to modern physics, including relativity and quantum mechanics. A vertical scrollbar is visible on the right side of the list.

Physics I

Home | Read, Study & Practice | Assignment | Gradebook

Read, Study & Practice

Browse by Table of Contents

- [Chapter 1. Physics, Mathematics, and the Real World](#)
- [Chapter 2. Describing Motion in One Dimension](#)
- [Chapter 3. Constructing Two-Dimensional Motion from One-Dimensional Motions](#)
- [Chapter 4. Interactions and Newton's Laws of Motion](#)
- [Chapter 5. Problem-Solving Using Newton's Laws](#)
- [Chapter 6. Bookkeeping on Physical Systems: The Concept of Energy](#)
- [Chapter 7. More Bookkeeping: Collisions and the Concept of Momentum](#)
- [Chapter 8. Circular Motion, Central Forces, and Gravitation](#)
- [Chapter 9. Rotational Kinematics and Dynamics](#)
- [Chapter 10. Statics and Dynamics of Fluids](#)
- [Chapter 11. Thermal Properties of Matter](#)
- [Chapter 12. The Kinetic Theory of Gases, Entropy, and Thermodynamics](#)
- [Chapter 13. Periodic Motion and Simple Harmonic Oscillators](#)
- [Chapter 14. Waves and Sound](#)
- [Chapter 15. Wave Optics](#)
- [Chapter 16. The Geometry of Wave Paths and Image Formation: Geometric Optics](#)
- [Chapter 17. Lenses and Optical Instruments](#)
- [Chapter 18. Electrical Phenomena: Forces, Charges, Currents](#)
- [Chapter 19. Electrical Field and Electrical Potential](#)
- [Chapter 20. Quantitative Treatment of Current and Circuit Elements](#)
- [Chapter 21. Quantitative Circuit Reasoning](#)
- [Chapter 22. Magnetism and Magnetic Fields](#)
- [Chapter 23. Electromagnetic Induction](#)
- [Chapter 24. As the Twentieth Century Opens: The Unanswered Questions](#)
- [Chapter 25. Relativity](#)
- [Chapter 26. Inroads into the Micro-Universe of Atoms](#)
- [Chapter 27. The Concept of Quantization](#)
- [Chapter 28. The Nuclear and Energy Technologies](#)

Read, Study & Practice > Browse by Table of Contents

- eGrade Plus contains a full-text version of your textbook, including such reference resources as the index and appendices.

Physics I

Home Read, Study & Practice Assignment Gradebook

Read, Study & Practice >>

Browse by Table of Contents

Chapter 22. Magnetism and Magnetic Fields Go

▼ Reading content

Magnetism and Mag

22-1.A Qualitative I

22-2.Connections b

22-3.Quantitative T

22-4.Magnetic Force

22-5.Magnetic Force

22-6.Making Use of

22-7.How the Magn

22-8.Magnetic Mate

Summary

Qualitative and Qus

► Student Solutions M

► Weblinks

► Web Examples

► Video Experiments

References

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22-5 Magnetic Forces on Current-Carrying Wires

By Equation 22-2, the magnetic force on the amount of moving charge Δq in a small straight length l of current-carrying wire (Figure 22-17) is

$$F = (\Delta q)vB \sin \theta$$

We will assume l is short enough so that the field is effectively constant over the entire length. If it requires a time interval Δt for all this charge to pass the end point P of this length, then the current is $I = \frac{\Delta q}{\Delta t}$. But to do so, the charge must be moving at a speed $v = \frac{l}{\Delta t}$. Then the magnitude of the magnetic force on the length of wire is

$$F = (\Delta q) \frac{l}{\Delta t} B \sin \theta = \frac{\Delta q}{\Delta t} l B \sin \theta$$

that is,

$$F = IlB \sin \theta = IlB_{\perp} \quad (\text{ignore signs}) \quad (22-4)$$

Because the velocity of positive charge is in the direction of the conventional current, the right-hand rule in Figure 22-8 applies here as well. **STOP&think** How might you use this result with the set-up in Figure 22-18 to find the strength of a magnetic field? Would this method work if the field is parallel to the wire? ♦

Read, Study & Practice > Full text of Wiley title

3. Assignment

- **Assignment** is where you will find the readings, homework, and tests assigned to you by your instructor. The main view of Assignment is a list of all assignments, with an indication of status and due date.

Physics I

Home | Read, Study & Practice | **Assignment** | Gradebook

Assignment
Your instructor has created the following assignments for this class. To get started, click on the assignment name below. Assignments whose due dates have passed are shown in red. Assignments that are no longer accessible to you are greyed out. For assistance, go to [Assignment Help](#).

▼ = sort by column ?

Assignment Name ▼	Assignment Type ▼	Due Date ▼	Accessible ▼	Progress ▼
Week 1 - Homework	Questions	08.25.2005 at 02 PM	Yes	Not Attempted
Week 1 - Extra Credit	Questions	Unlimited	Yes	Not Attempted

Assignment > Assignment List

- Your instructor sets the **policies** for each assignment. The assignment may be graded or for practice only. You may be allowed multiple attempts for each question. You may be allowed to access the assignment after the due date has passed.

Physics I
Home | Read, Study & Practice | **Assignment** | Gradebook

Assignment >> Open Assignment

Printer version < Back Cancel Next >

<div> Week 1 - Homework </div> <div> Touger Chapter 1 Problem 1 Touger Chapter 1 Problem 5 Touger Chapter 1 Problem 9 Touger Chapter 1 Problem 13 Touger Chapter 1 Problem 15 </div> <div> Review Score </div>	<div>Student Access Settings</div> <div> Start Date: 07.25.2005 at 12 PM Due Date: 08.25.2005 at 02 PM Student Access After Due Date: Yes. Mark Late </div>	Current date: July 25, 2005, 12:34 PM
	<div>Assignment Policies</div> <div> Graded: No </div>	
	<div>Question Policies</div> <div> Attempts per Question: unlimited Question Assistance: Show Hint: all attempts Link to Text: all attempts Show Solution: all attempts Show Answer: after first attempt </div>	

Printer version < Back Cancel Next >

Assignment > Assignment Policies

- Choose the question you want to attempt from the sidebar on the left, or use the arrows to page through the entire assignment. When you are finished, the **Review** page allows you to view your progress.

Physics I

Home | Read, Study & Practice | Assignment | Gradebook

Assignment >> Open Assignment

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Week 1 - Homework

Touger Chapter 1 Problem 1

Touger Chapter 1 Problem 5

Touger Chapter 1 Problem 9

Touger Chapter 1 Problem 13

Touger Chapter 1 Problem 15

Review Score

Touger Chapter 1 Problem 9

(a) A famous building has 5.3 million square feet of office space. Find the total area of office space in this building in SI units.

(b) A different famous building has a total volume of 83 million cubic feet. Find the total volume of this building in SI units.

(a) Number Units

(b) Number Units

Answer a1: significant digits are disabled; the tolerance is +/-2.0%

Answer b1: significant digits are disabled; the tolerance is +/-2.0%

[Link to Text](#)

Question Attempts: Unlimited [Submit Answer](#)

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Next >

Assignment > Question


4. Gradebook

- At any point during the semester, you can check your **Gradebook**. Assignments that are not graded have a **progress** indicator. Assignments that are graded have a **score**. Your instructor has the ability to manually score assignments (such as essays) and edit scores set by the system.

College Biology

Home | Read, Study & Practice | Assignment | **Gradebook**

Gradebook
These are results for all the assignments you have been given as homework. If an assignment due date has passed, then the assignment name is shown in red. If the instructor has allowed you to continue to work on assignments that are past due, your results will be shown in red. Assignments that are grayed out are no longer accessible to you. For more information, go to [Gradebook Help](#).

▼ = sort by column 

Assignment Name ▶	Assignment Type ▶	Due Date ▼	Progress ▶	Score ▶	Details ▶	Accessible ▶
Week 3 - Homework	Questions	09.15.2005 05:00 PM	-	2/3	Attempted;Due Date Not Reached	Yes
Week 1 - Homework	Questions	08.25.2005 05:00 PM	-	-/3	Not Attempted;Due Date Not Reached	Yes
Week 2 - Homework	Questions	09.08.2005 05:00 PM	-	2/3	Attempted;Due Date Not Reached	Yes

Gradebook > Student Summary View

- Selecting the name of the assignment provides a more detailed view.

College Biology

Home | Read, Study & Practice | Assignment | **Gradebook**

[Gradebook](#) > > Results of Assignment

Assignment Details

Assignment Name: Week 2 - Homework

Assignment Type: Questions/Exercises

Due Date: 09.08.2005 at 05 PM

Accessible: Yes

Start Date: 07.25.2005 at 03 PM

Access Policy: Yes, Mark Late

Question Assistance:

Show Hint: after third attempt

Show Link to Text: after third attempt

Show Solution: after third attempt

Show Answer: all attempts

Question Attempts: 3 attempts per question

http://edugen.wiley.com - (Level 1) Organisms that interbreed freely in their natural set... - Mozilla

(Level 1) Organisms that interbreed freely in their natural set... Attempt 1 of 1 Go

✖ Your answer is incorrect.

(Level 1) Organisms that interbreed freely in their natural settings and do not interbreed with other populations are called a

☐ family

☐ phylum

☐ species

☒ genus

SCORE

Points Available: 1

Automated Score: 0

Cancel

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Done

Current Results Saved to Gradebook: 07.25.2005 at 03 PM

#	Question Name	Question Type	Question Attempts	Score	Grading Type	Instructor Comments
			1	2	3	
Q1	(Level 1) Fossils provide a record of the history of life...	Multiple-Choice	1.00	-	-	1.00/1.00 auto
Q2	(Level 1) Organisms that interbreed freely in their natural set...	Multiple-Choice	0.00	-	-	0.00/1.00 auto
Q3	(Level 1) Systematists classify organisms in ways that ref...	Multiple-Choice	1.00	-	-	1.00/1.00 auto
Total Score:			2.00/3.0			

Gradebook > Assignment Detail