

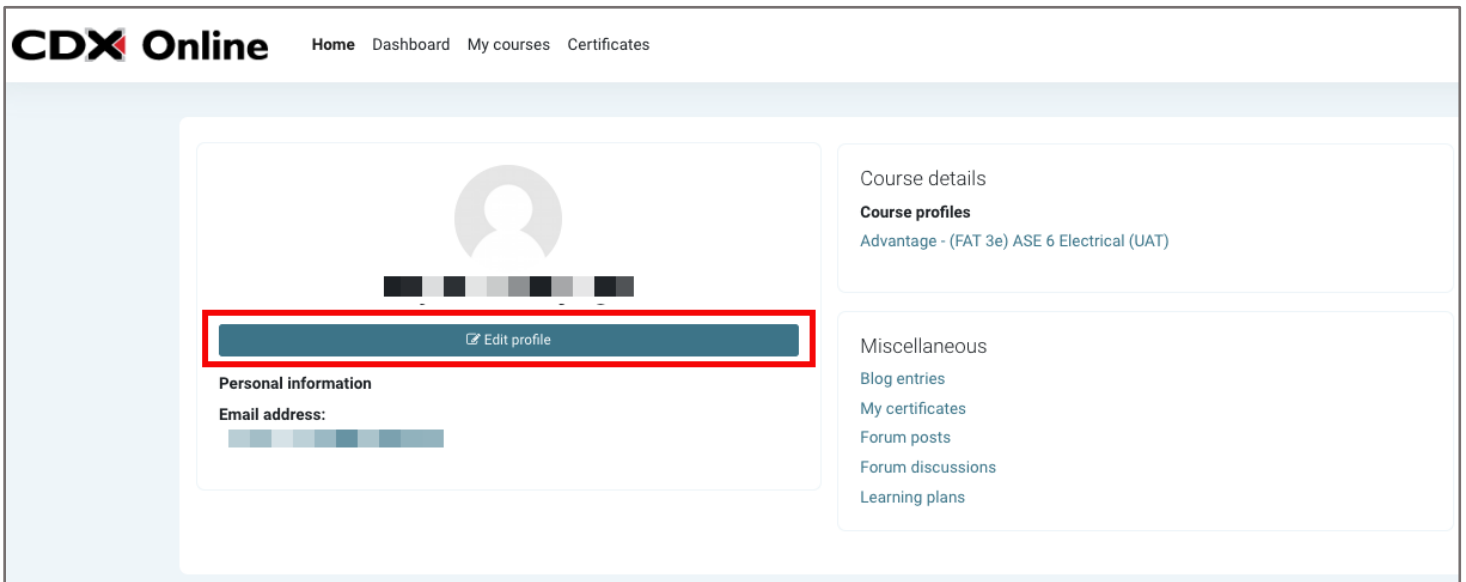
Student Tutorial

*This document walks you through important details about using CDX Online as a student after enrolling in a course. The appearance of your course may vary slightly from the screenshots used in this document depending on changes made by your instructor. Note, this document **does not** cover access and registration. For those instructions, please review the *First Day of Class* tutorial.*

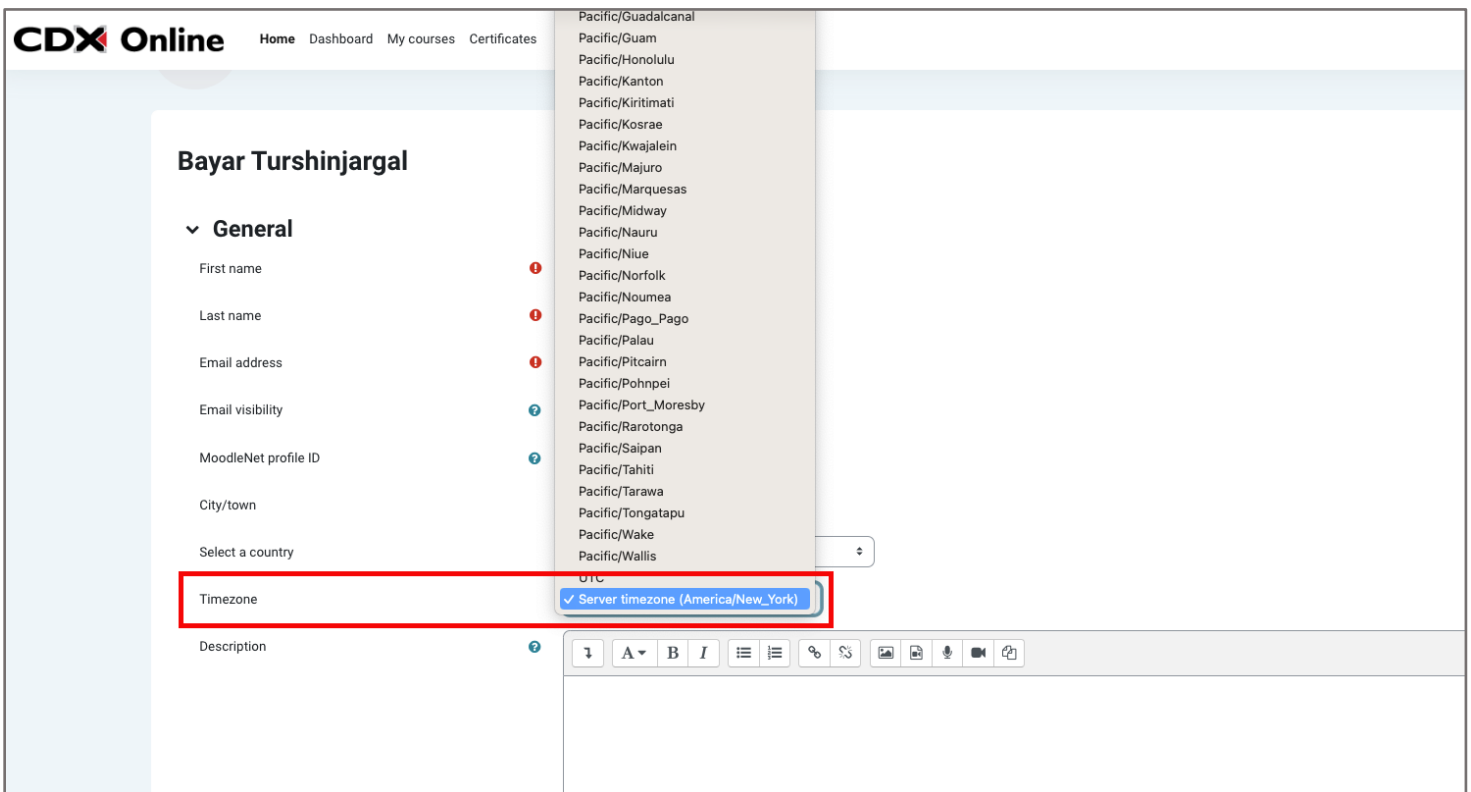
1. Launching the course opens the homepage in a new window. Before beginning any work, it may be necessary to adjust your profile's time zone (if you haven't already). Your profile's time zone is set to Eastern Standard Time by default. If you are located in a different time zone, click on the **Profile button** at the top right of the page and select the **Profile** option from the dropdown menu.

The screenshot displays the CDX Online course interface. At the top, the navigation bar includes 'CDX Online', 'Home', 'Dashboard', 'My courses', and 'Certificates'. A user profile dropdown menu is open in the top right corner, with the 'Profile' option highlighted. The main content area is titled 'Advantage - (FAT 3e) ASE 6 Electrical (UAT)' and features a 'General' section with a 'FORUM Announcements' link. Below this, there are six topic cards, each with a progress bar: 'Course Pretest', 'Chapter 56 Electrical System Fundamentals', 'Chapter 57 Electrical Components and Wiring Repair', 'Chapter 58 Meter Usage and Circuit Diagnosis', 'Chapter 59 Battery Systems', and 'Chapter 60 Starting Systems'. The right sidebar contains sections for 'Upcoming events', 'Activities', and 'Overview of students'.

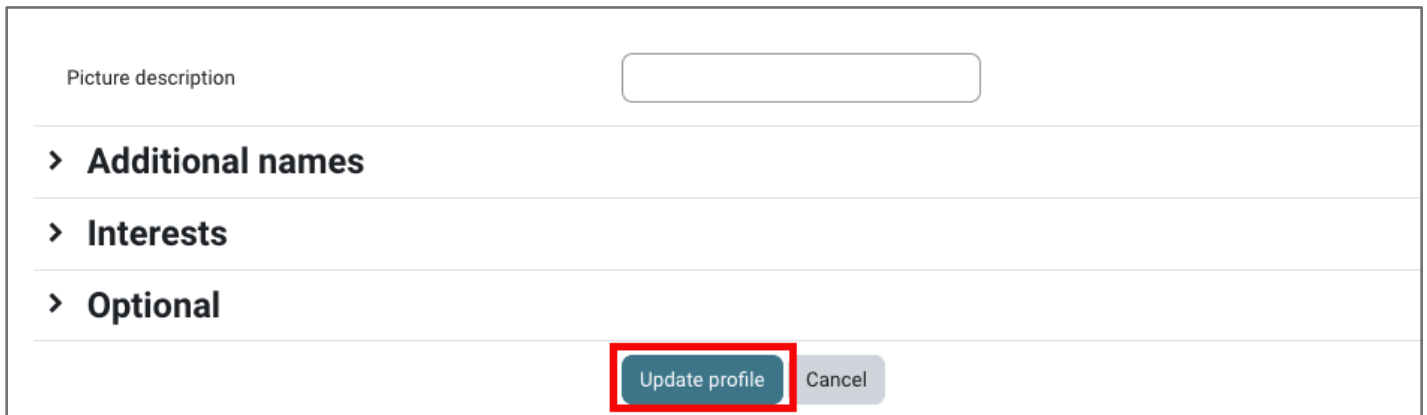
2. On the next page, under User details, click the **Edit profile** option.



3. On the following **Edit Profile** page, scroll as needed to find the setting for **Time zone**. Click on the dropdown menu its right and select an option that is nearest to you or shares your local time zone. Note, options are listed in alphabetical order.



4. After you have selected the appropriate time zone, scroll to the bottom of the page and click the **Update profile** button to save your changes.



Picture description

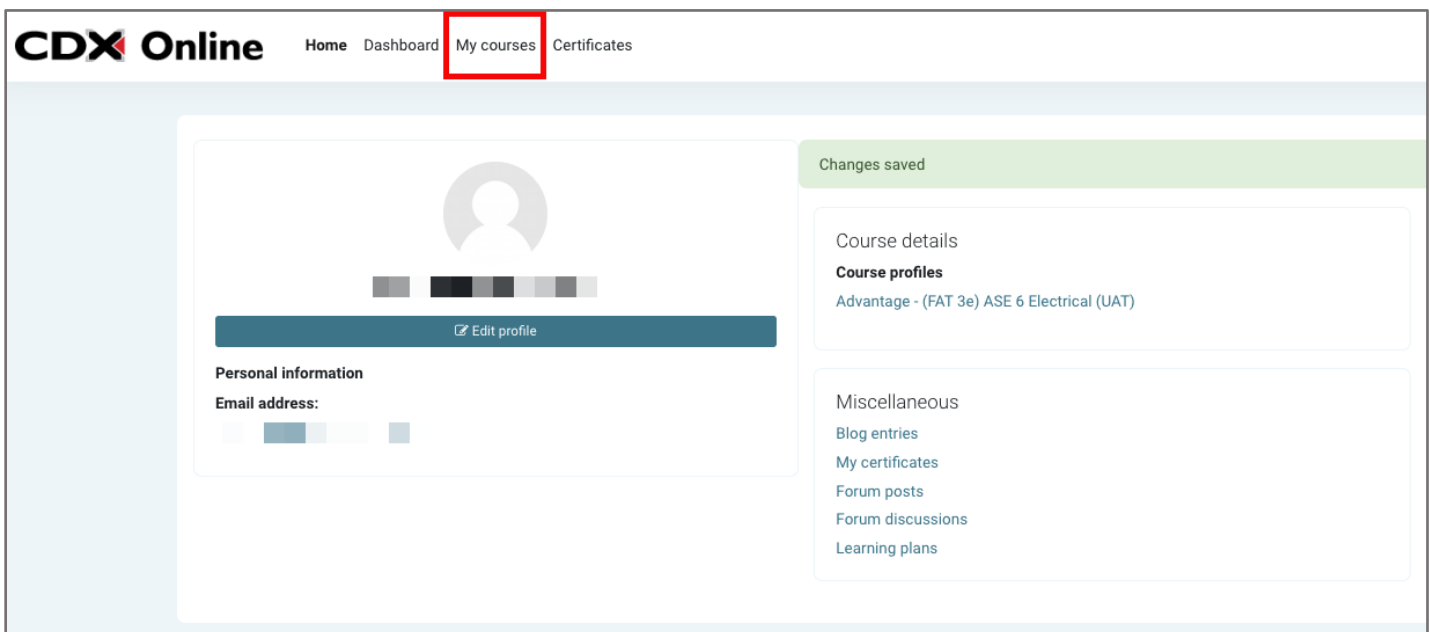
> **Additional names**

> **Interests**

> **Optional**

Update profile Cancel

5. Then, to return to the course homepage, click on the **My courses** button at the top of the page and then select your course.



CDX Online Home Dashboard **My courses** Certificates

Changes saved

Course details
Course profiles
Advantage - (FAT 3e) ASE 6 Electrical (UAT)

Miscellaneous
Blog entries
My certificates
Forum posts
Forum discussions
Learning plans

Personal information
Email address:

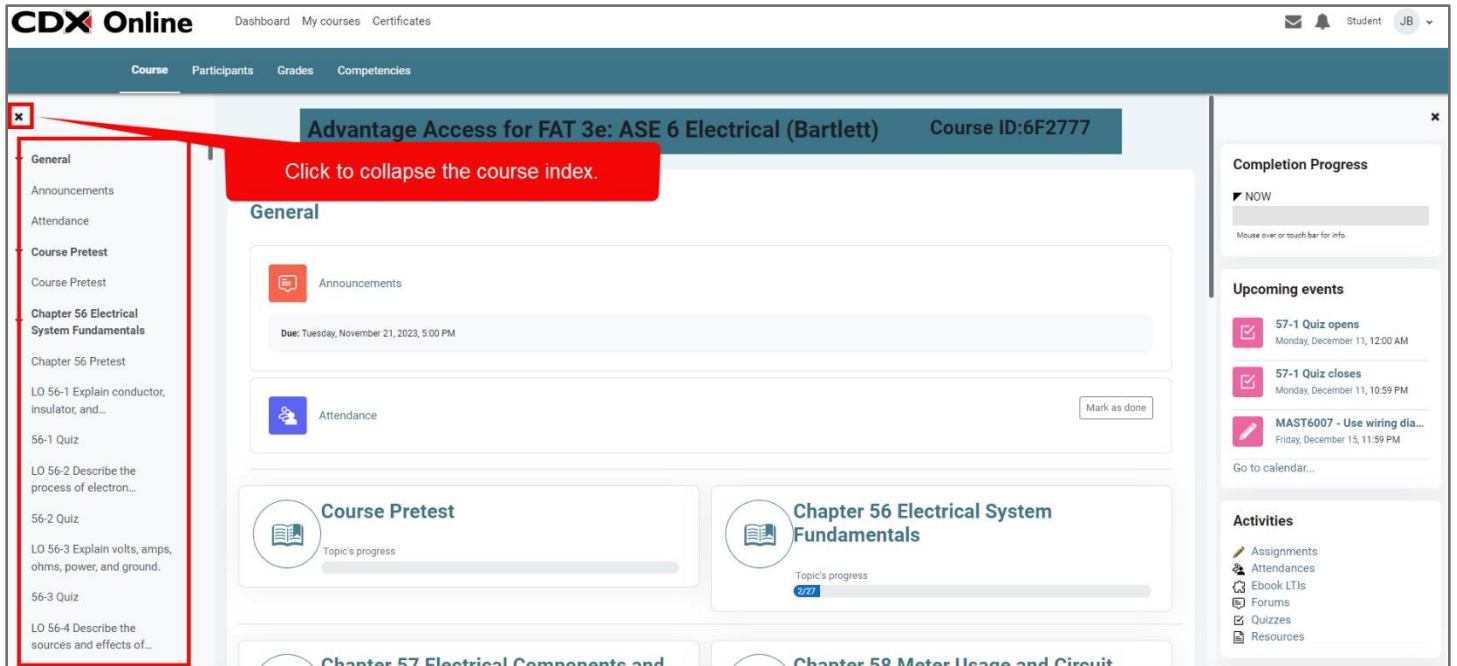
6. Within each course, all content is organized into topic blocks on the course homepage. Each chapter from the textbook has a matching topic dedicated to storing its corresponding activities and resources.

The screenshot shows the CDX Online course homepage. At the top, there is a navigation bar with 'CDX Online' and links for 'Dashboard', 'My courses', and 'Certificates'. Below this is a secondary navigation bar with 'Course', 'Participants', 'Grades', and 'Competencies'. The main content area is titled 'General' and features several topic blocks: 'Course Pretest', 'Chapter 56 Electrical System Fundamentals', 'Chapter 57 Electrical Components and Wiring Repair', and 'Chapter 58 Meter Usage and Circuit Diagnosis'. Each block includes a progress bar and a 'Mark as done' button. On the left, a navigation menu lists various course items, including 'Announcements', 'Attendance', 'Course Pretest', and 'Chapter 56 Electrical System Fundamentals'. On the right, a sidebar displays 'Completion Progress' (NOW), 'Upcoming events' (57-1 Quiz opens, 57-1 Quiz closes, MAST6007 - Use wiring dia...), and 'Activities' (Assignments, Attendances, Ebook LTIs, Forums, Quizzes, Resources).

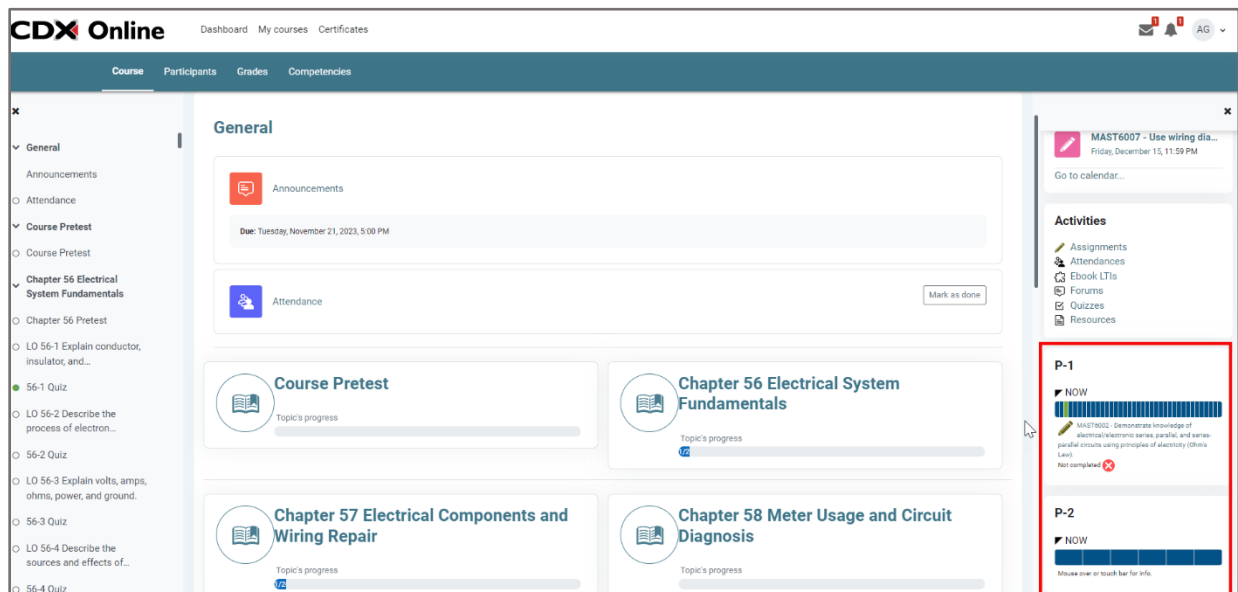
7. Towards the top of the page, your **Navigation menu** displays links to important pages in the course, such as your **Course** (Homepage) and **Grades**. Note that this menu is contextual to the course item/page being viewed; in other words, options in this menu pertain to the item or page displayed.

This screenshot is similar to the previous one but highlights the navigation menu. A red box is drawn around the 'Course', 'Participants', 'Grades', and 'Competencies' links in the secondary navigation bar. The main content area shows the 'General' section with 'Announcements' and 'Attendance' blocks. A banner at the top of the main content area reads 'Advantage Access for FAT 3e: ASE 6 Electrical (Bartlett) Course ID:6F2777'. The left navigation menu is also visible, showing the '56-1 Quiz' selected.

8. On the left side of the page, the **course index** can be used to quickly navigate to different sections and resources within your course. The course index can be collapsed at any time by clicking the **x** at the top. You can make it re-appear again whenever you'd like.



9. On the right side of the page is your **course blocks** menu. Assignment tracking blocks, which reflect your completion of tasksheets in the course, are found here (depicted in the screenshot below). You can also view **Activities** and **Upcoming events** (i.e., upcoming assignments, quizzes, etc.) in this block. Like the course index, the course blocks menu can be collapsed at any time by clicking the **x** at the top.



10. Click on any topic of your choosing to open a page displaying its contents. Contents are presented in a list format organized by its learning objectives.

Chapter 58 Meter Usage and Circuit Diagnosis

- Chapter 58 Pretest To do: Receive a grade
- LO 58-1 Describe basic meter information To do: View
- 58-1 Quiz To do: Receive a grade
- LO 58-2 Describe basic digital multimeter (DMM) control panel operation, measurements, ranges, and probes. To do: View
- 58-2 Quiz To do: Receive a grade
- LO 58-3 Measure volts, amps, and ohms. To do: View
- 58-3 Quiz To do: Receive a grade

11. At the bottom of the chapter contents page are the chapter's resources (slide decks, audiobook, flashcards, etc). Beneath the topic's contents at the bottom of the page, you can use navigation buttons to move to the previous or next topics within the course as needed.

Chapter 58 Resources

- URL Chapter 58: Key Review Mark as done
- URL Chapter 58: Slide Presentation Mark as done
- URL Chapter 58: Audio Book Mark as done
- URL Chapter 58: Flashcards Mark as done
- EBOOKLTI Chapter 58: Media Gallery Mark as done

[Previous section](#)
Chapter 57 Electrical Components and Wiring Repair

Jump to...

[Next section](#)
Chapter 59 Battery Systems

12. To access the reading material, click on one of the blue **LOs** (Learning Objectives) to open that excerpt from the eBook. Note that the eBook will open in a new tab or window, so please make sure to disable any popup blocker functions in your browser, if needed.

The screenshot shows a list of five items in a learning management system. Each item has an icon on the left and a status on the right. The items are:

- LO 56-3 Explain volts, amps, ohms, power, and ground. (Status: Done: View)
- 56-3 Quiz (Status: To do: Receive a grade)
- LO 56-4 Describe the sources and effects of electricity.** (Status: To do: View) - This item is highlighted with a red rectangular box, and a mouse cursor is pointing at a red circle icon next to the text.
- 56-4 Quiz (Status: To do: Receive a grade)
- LO 56-5 Use Ohm's law to calculate voltage, amperage, and resistance values. (Status: To do: View)

13. The eReading platform gives you the option to adjust text size for viewing preference. To adjust the text size, click on **Settings** in the top right corner, then move the slider to your desired setting.

The screenshot shows an eReading platform interface. The top right corner has icons for Help, Settings, and Sync. The Settings icon is highlighted with a red box. A red arrow points from the Settings icon to a 'Reader Settings' dialog box. The dialog box has a preview of text with a font size slider. The slider is currently set to a medium size. Below the slider is a 'Show Annotations (on book)' checkbox with a 'Yes' button. At the bottom of the dialog are 'Cancel' and 'Save' buttons. The background shows a page titled 'LO 56-4 DESCRIBE THE SOURCES AND EFFECTS OF ELECTRICITY' with a section titled 'Sources and Effects of Electricity'.

14. There is also a text-to-speech feature which can be enabled by clicking the **listen icon** in the top right. A small **control panel** can then be used to pause the reading, adjust the volume, and indicate where you'd like the reading to begin on the page. By default, reading begins at the top of the page, unless you indicate otherwise.

The screenshot shows a digital reading interface. At the top right, there is a toolbar with icons for Help, Settings, and Sync. Below these is a smaller toolbar with icons for print, bookmark, and a speaker icon. A red callout box points to the speaker icon, stating "Click to open the audio control panel." Below the speaker icon is a red callout box stating "The audio reader will highlight the text it's currently reading." In the top center, there is a red-bordered box containing audio control icons: a play button, a volume slider, and a close button. A red callout box points to this box, stating "Audio control panel." The main content area features a blue header with the text "LO 56-4 DESCRIBE THE SOURCES AND EFFECTS OF ELECTRICITY." Below this is a section titled "Sources and Effects of Electricity" with a paragraph of text. The sentence "It can be created easily in a variety of ways." is highlighted in yellow. Below this is a section titled "Sources of Electricity" with a list of four bullet points. The page number "1515" is visible in the top right corner of the content area.

15. You may also take notes or make highlights on these pages by selecting any section of text and choosing the desired annotation method. Hover your mouse over each option to reveal its functionality.

FAT 3e: ASE 6 Electrical_1

LO 56-4 DESCRIBE THE SOURCES AND EFFECTS OF ELECTRICITY.

Sources and Effects of Electricity

Electricity is a unique source of energy. It can be created easily in a variety of ways. For example, electricity can be created from chemical reactions, solar energy, and magnetic induction. Think of other types of energy, such as coal and oil. They are much harder to create, generally relying on natural processes over a long period of time. Electricity can also be transformed into a variety of other kinds of energy. Common examples include thermal energy, light energy, ch
us

This section explores some of the many ways electricity can be created and

1515

Sources of Electricity

An easily observable source of electricity is the static electricity produced in thunderstorms. Electricity can also be produced in the following ways:

- A conductor moved through a magnetic field
- Pressure applied to a special type of crystal
- Sunlight converted by solar cells
- Chemical reactions

Regardless of how it is produced, electricity is always the movement of electrons in a circuit. Let's see how we can get those electrons moving so that they can do work for us.

Electrostatic Energy

16. Supplemental media, such as videos, animations, and images, are embedded directly within the e-text. We recommend clicking the **launch** button in the bottom right for a full view of videos and animations. These same resources can also be viewed independently from the **Media Gallery** under chapter resources.

those electrons moving so that they can do work for us.

Electrostatic Energy

Click to play the video.

Click to expand the video screen.

Static electricity can be induced by rubbing two insulators together. During this process, one material loses electrons to the other. The insulator losing electrons becomes positively charged. The other insulator gains electrons and becomes negatively charged (FIGURE 56-15).

perspex rod
Rod loses electrons and becomes positive.

Chapter 56: Flashcards Mark as done

Chapter 56: Media Gallery Mark as done

Click to view all images, animations, and videos in the eBook for Chapter 56.

Previous section Course Pretest Jump to... Next section Chapter 57 Electrical Components and Wiring Repair

17. To complete a tasksheet assignment, begin by clicking on the **tasksheet**.

58-3 Quiz Receive a grade

MAST6003 - Demonstrate the proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop, (including grounds), current flow, and resistance. Receive a grade

LO 58-4 Measure available voltage and voltage drop. View

18. On the assignment page, click to download the PDF tasksheet required.

ASSIGNMENT

MAST6003 - Demonstrate the proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop, (including grounds), current flow, and resistance.

FAT 3e: ASE 6 Electrical (Bartlett) > Chapter 58 Meter Usage and Circuit Diagnosis

> MAST6003 - Demonstrate the proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop, (including grounds), current flow, and resistance.

Receive a grade

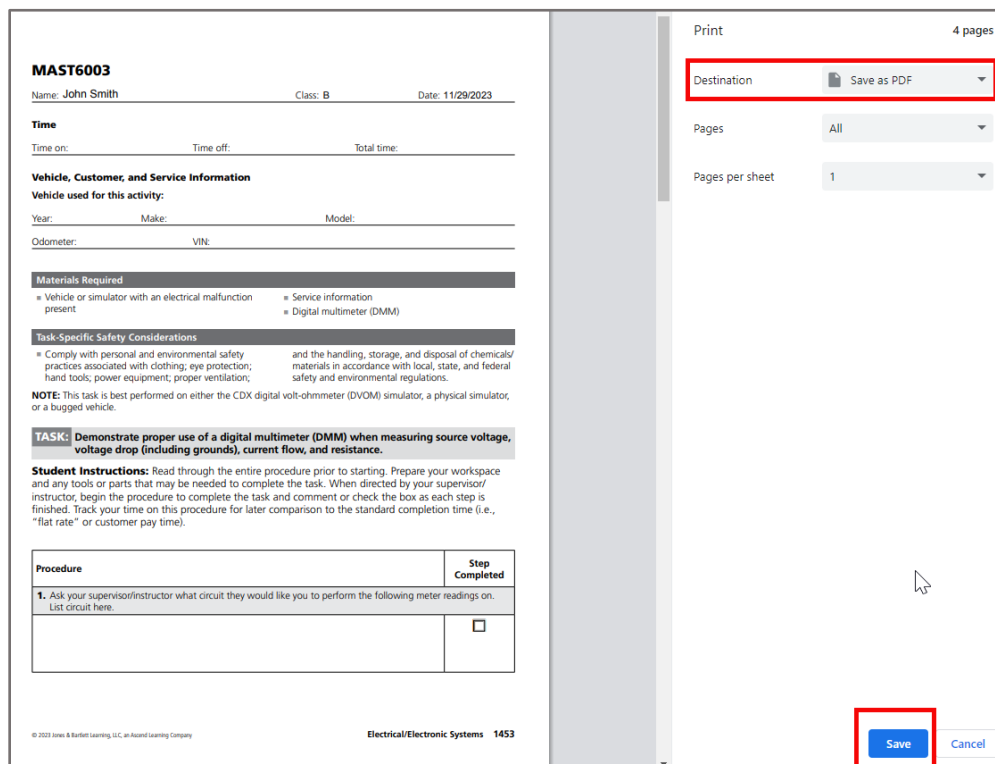
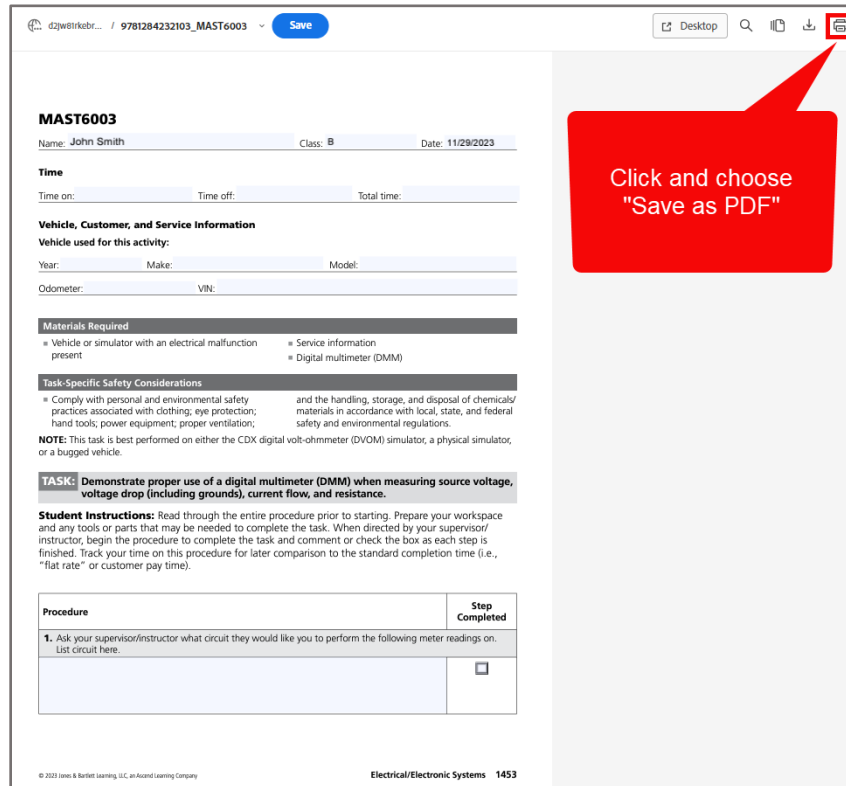
Tasksheets guide you through the skills needed to demonstrate proficiency in tasks to meet the ASE Foundation standard task requirements. Once completed, they can also serve as a personal portfolio of documented experience.

Download and complete the following hands-on activity in the shop, then submit your sheet below. Your instructor will evaluate your competency level.

Tasksheet

MAST6003

19. If you are using Chrome or Firefox as your web browser, you may edit the tasksheet PDF directly in the browser. Note, this experience and capability will vary between browsers. Chrome is used in this example. Once done, you can save your changes by clicking the **printer icon** and changing the destination to **Save as PDF**. Then click **Save**.



20. When ready, you can submit your tasksheet by clicking **Add submission** and then adding your tasksheet to the assignment dropbox. To add your assignment to the dropbox, you can:

- Drag and drop the tasksheet from your folders/desktop directly into the **dropbox** (pictured below).
- Click anywhere in the **You can drag and drop files here to add them box** and then click **Choose File** in the **Upload a file** tab.
- Click the **file icon** right above Files to add a file similar to the method described above.

Once you've added your file, click **Save changes**.

ASSIGNMENT
MAST6003 - Demonstrate the proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop, (including grounds), current flow, and resistance.

FAT 3e: ASE 6 Electrical (Bartlett) > Chapter 58 Meter Usage and Circuit Diagnosis
> MAST6003 - Demonstrate the proper use of a digital multimeter (DMM) when measuring source voltage, voltage drop, (including grounds), current flow, and resistance.

To do: Receive a grade

Tasksheets guide you through the skills needed to demonstrate proficiency in tasks to meet the ASE Foundation standard task requirements. Once completed, they can also serve as a personal portfolio of documented experience.

Download and complete the following hands-on activity in the shop, then submit your sheet below. Your instructor will evaluate your competency level.

Tasksheet
MAST6003

Add submission

Submission status

Attempt number	This is attempt 1.
Submission status	No submissions have been made yet
Grading status	Not graded

Add submission

File submissions

Maximum file size: 50 MB, maximum number of files: 20

You can also add files by clicking here or anywhere in the dropbox below.

Save changes Cancel


21. The page automatically refreshes, displaying the details of your submission status in a grid. Submission status reflects as “Draft (not submitted)” where you may use the **Edit or Remove submission buttons** as needed to make changes. When satisfied, click the **Submit assignment** button.

Tasksheet

MAST6039

Submit assignment ? Edit submission Remove submission

Submission status

Attempt number	This is attempt 1.
Submission status	Draft (not submitted)
Grading status	Not graded
Last modified	Wednesday, November 1, 2023, 2:05 PM
File submissions	 9781284232103_MAST6039.pdf November 1 2023, 2:05 PM
Submission comments	▶ Comments (0)

22. You are then taken to confirmation page where you must click **Continue** to finalize your submission.

Tasksheet

MAST6039

Confirm submission

Are you sure you want to submit your work for grading? You will not be able to make any more changes.


Continue Cancel

23. Upon clicking “Continue,” you are returned to the main assignment page where your **Submission status** will reflect as “Submitted for grading” for this assignment. You may return to other course pages and continue your work.

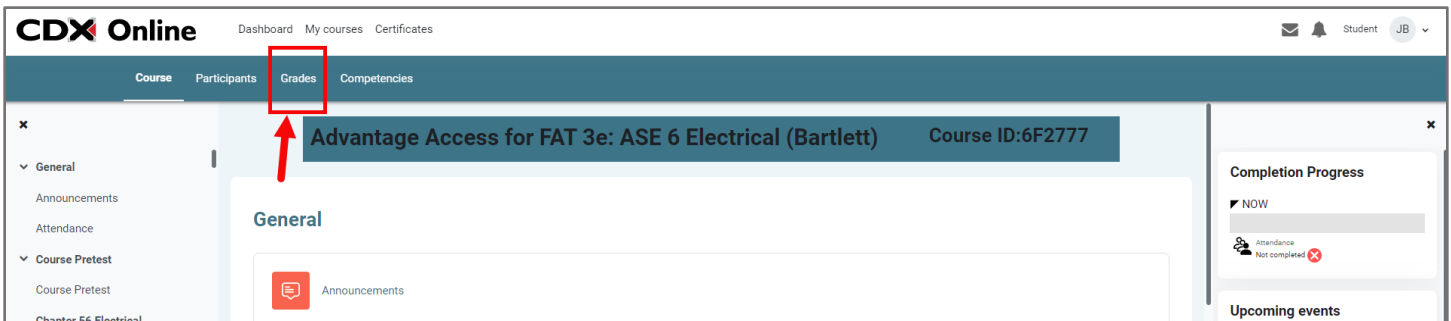
Tasksheet

MAST6039

Submission status

Attempt number	This is attempt 1.
Submission status	Submitted for grading
Grading status	Not graded
Last modified	Wednesday, November 1, 2023, 3:13 PM
File submissions	 9781284232103_MAST6039.pdf November 1 2023, 2:05 PM
Submission comments	▶ Comments (0)

24. You may review and track your individual results at any time by navigating to your gradebook under **Grades**.





The screenshot shows the CDX Online interface. At the top, there are navigation links for 'Dashboard', 'My courses', and 'Certificates'. Below this is a dark blue header with tabs for 'Course', 'Participants', 'Grades', and 'Competencies'. The 'Grades' tab is highlighted with a red box and a red arrow. Below the header, there is a course title 'Advantage Access for FAT 3e: ASE 6 Electrical (Bartlett)' and 'Course ID:6F2777'. On the left, there is a sidebar menu with categories like 'General', 'Announcements', 'Attendance', 'Course Pretest', and 'Chapter 56 Electrical'. On the right, there is a 'Completion Progress' section showing 'NOW' and 'Attendance Not completed' with a red 'X' icon. At the bottom right, there is an 'Upcoming events' section.

25. Here, you will find the **User Report**, which displays all your course work and scores.

User report ▾

AG Andre Giant

Grade item	Calculated weight	Grade	Range	Percentage	Feedback	Contribution to course total
▾ Advantage Access for FAT 3e: ASE 6 Electrical (Bartlett)						
▾ Pretests						
▾ Course Pretest						
 QUIZ Course Pretest	0.00 % (Empty)	-	0-100	-		0.00 %
 AGGREGATION Course Pretest total Weighted mean of grades.	0.00 % (Empty)	-	0-100	-		-
▾ Chapter Pretest						

26. You may also use the **Quiz Analytics** tool to retrieve a graphical analysis of your quiz results, which can be helpful in identifying areas of strength or weakness.

The screenshot shows a dropdown menu for 'User report' with options: 'View', 'Overview report', 'Quiz Analytics', and 'User report'. Below the menu is a table header with columns: 'Calculated weight', 'Grade', 'Range', 'Percentage', 'Feedback', and 'Contribution to course total'. A course name 'Advantage Access for FAT 3e: ASE 6 Electrical (Bartlett)' is visible below the header.

The screenshot displays the 'Quiz Analytics - Andre Giant' interface. It includes a table of quiz attempts and a bar chart showing performance metrics. A red callout box points to the 'View Analytics' link in the table. The bar chart shows 'Number of Questions Attempted' at 5 and 'Number of Right Answers' at 3, with an 'Accuracy Rate : 60%'.

Quiz Name	Number of Attempts	Action
56-1 Quiz	1	View Analytics
56-2 Quiz	0	Not yet Graded
56-3 Quiz	0	Not yet Graded
56-4 Quiz	0	Not yet Graded
56-5 Quiz	0	Not yet Graded

Metric	Value
Number of Questions Attempted	5
Number of Right Answers	3

Accuracy Rate : 60%