



ALEKS[®]

Because learning changes everything.[®]

Creating an ALEKS Chemistry Course

ALEKS Training Series



Creating an ALEKS Chemistry Course

To create a new course, login to your ALEKS account to enter the Instructor Dashboard. Click on Instructor Administration. Then select New Class.

The screenshot shows the ALEKS HigherEd Math Instructor Dashboard. At the top, there are four dropdown menus: INSTITUTION (McGraw-Hill HE Univers...), INSTRUCTOR (Mulligan, Scott, Mr.), CLASS (Enter Your Search), and STUDENT (Enter Your Search). Below these is a navigation bar with 'Instructor Administration' (circled in red), 'Reports', and 'Insights'. The main content area is divided into three columns: INSTRUCTOR, CLASSES, and STUDENTS. Under INSTRUCTOR, there are links for Account Summary, Course Product Upgrades, and Delete Account. Under CLASSES, there are links for Class List and New Class (circled in red). Under STUDENTS, there are links for Student Roster and Extend Student Accounts.

Create an ALEKS Chemistry Course

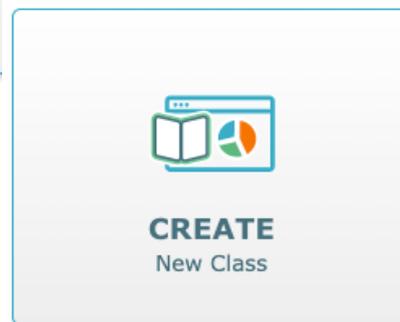
Select Create New Class to start the initial course build process.

Select Create a Class Linked to a Master Template if your course will be linked to a pre-made Master Template. Select from Master Templates available.

McGraw-Hill HE University - New Class

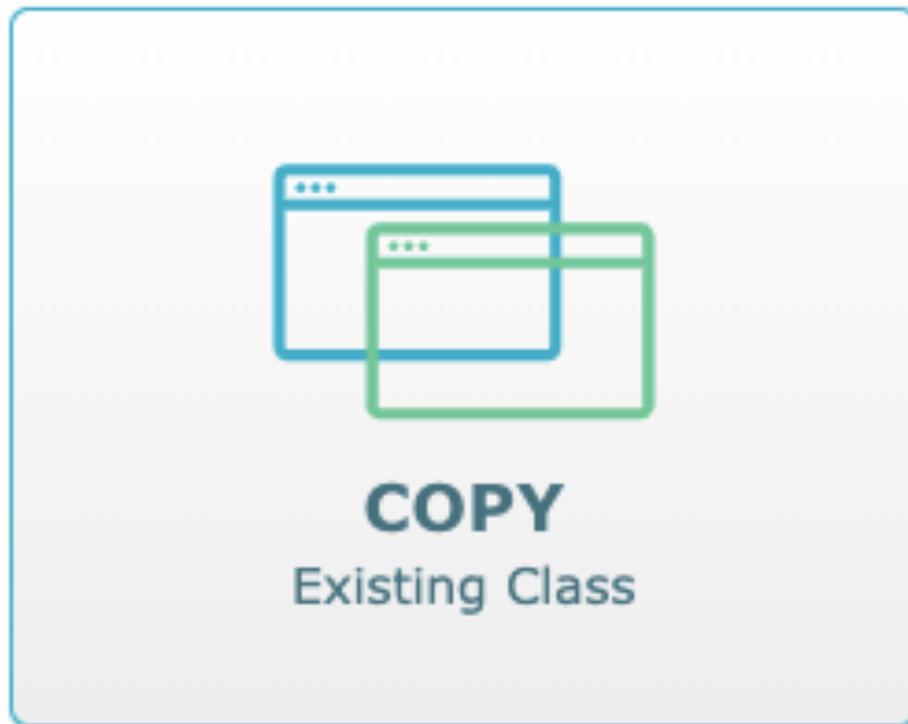


McGraw-Hill HE University - New Class



Create an ALEKS Chemistry Course

Select Copy Existing Class if you will be copying a class from the same institution. Copy by Class Code can be used if you are copying a class with its unique 10-digit course code.



Create an ALEKS Chemistry Course

Select Modern View or Classic View to build Objectives.

Select Modern View to create class within the updated template. Classic View will reflect classic Objectives editor.



New Class (Modern View)

Content customization with new
Objectives editor



New Class (Classic View)

Content customization with classic
Objectives editor



Create an ALEKS Chemistry Course

Class Information will include Instructor, Class Name, Section, and Class Dates.

Select whether to automatically archive class after the end date.

Class Information

Instructor

Mulligan, Scott

Class Name

College Algebra - Fall

Section (optional)

002

Class Dates

Start ⓘ

Aug 10, 2020

End ⓘ

Dec 11, 2020

Automatically archive this class after the end date



Create an ALEKS Chemistry Course

For Class Content, select desired textbook. A search bar is available with textbook cover visuals if needed to find correct textbook.

Select eBook Access options for students.

Select Course Product from dropdown menu.

Class Content

Textbook

- 

Chemistry: The Molecular Nature of Matter and Change, 9th Ed.
Silberberg, Martin S., Amateis, Patricia G.
McGraw-Hill, 2021
ALEKS 360
- 

Chemistry: The Molecular Nature of Matter and Change, 8th Ed.
Silberberg, Martin S., Amateis, Patricia G.
McGraw-Hill, 2018
ALEKS 360
- 

Chemistry: The Molecular Nature of Matter and Change, 7th Ed.
Silberberg, Martin S., Amateis, Patricia G.
McGraw-Hill, 2015
ALEKS 360

eBook Access will be:

- Mandatory **ENHANCED**
- Optional
- Disabled

- Includes textbook-aligned questions that can be assigned in Homework, Test, and Quiz assignments
- Students must purchase an ALEKS 360 subscription

ALEKS Course Product

RECOMMENDED COURSES

- General Chemistry (First Semester)
- General Chemistry (Second Semester)
- Introductory College Chemistry
- Preparation for General Chemistry
- Summer Prep For General Chemistry

ADDITIONAL COURSES

- General, Organic, and Biological Chemistry
- Preparation for Organic Chemistry



Create an ALEKS Chemistry Course

Under Class Options, select if you wish students to carry over progress from previous ALEKS courses or start with new Initial Knowledge Check.

Select if unenrolled students will show or be hidden from class roster, dashboards, reports and gradebook.

Select Significant Digits behavior.

Incoming Students

Select an option for students moving between compatible ALEKS classes ⓘ

- Carry Over Progress - Student progress gets carried over to the new class
 - Calculate student Objective grades based on progress in the previous class
 - Require a Comprehensive Knowledge Check ⓘ
 - All incoming students
 - Only students who have not completed an Initial Knowledge Check for:

30 days or more

Max 365

- Do Not Carry Over Progress - Students will be given a new Initial Knowledge Check

Unenrolled Students

Select an option for unenrolled students in rosters, dashboards, reports and the gradebook.

- Show Unenrolled Students
- Hide Unenrolled Students

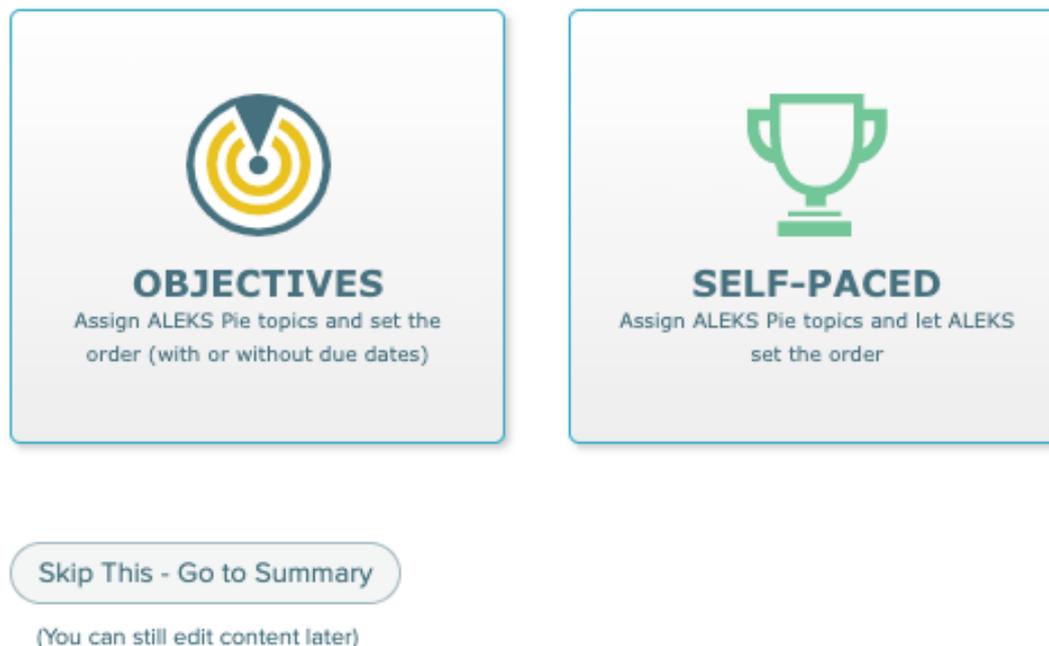
Significant Digits

- Tell students how many significant digits their answer should contain. ⓘ
- Warn students about answers with the wrong number of significant digits before their answers are graded. ⓘ

Creating an ALEKS Chemistry Course

Select if you wish to build a course with Objectives (ALEKS Pie topics with or without due dates) or a Self-Paced course.

You also have the option to complete this step at a later time by selecting the Skip This – Go to Summary option.

The image shows two main options for course creation, each in a light blue rounded rectangle. The left option is labeled "OBJECTIVES" and features a target icon. Below the icon, it says "Assign ALEKS Pie topics and set the order (with or without due dates)". The right option is labeled "SELF-PACED" and features a trophy icon. Below the icon, it says "Assign ALEKS Pie topics and let ALEKS set the order". Below these two options is a button labeled "Skip This - Go to Summary" with the subtext "(You can still edit content later)".

OBJECTIVES
Assign ALEKS Pie topics and set the order (with or without due dates)

SELF-PACED
Assign ALEKS Pie topics and let ALEKS set the order

Skip This - Go to Summary
(You can still edit content later)

Creating an ALEKS Chemistry Course

To create Objectives within Objective Editor, select the + New Objective button. All ALEKS topics will be aligned to textbook if previously selected. Slice View is available to see topics organized by ALEKS Curriculum.

Edit Objective

Objective Name
100 characters max

Legend

Topic is in more than one chapter

Select the topics you would like to include in this Objective.

You have selected **0 goal topics** out of **768 available**.

[Reset Changes](#)

Textbook View | **Slice View**

- Silberberg et al.: Chemistry: The Molecular Nature of Matter and Change, 9th Ed. (McGraw-Hill) - ALEKS 360 [\[open all\]](#) [\[close all\]](#)
- Chapter 0 - Math and Physics
- Chapter 1 - Keys to Studying Chemistry: Definitions, Units, and Problem Solving
- Chapter 2 - The Components of Matter
- Chapter 3 - Stoichiometry of Formulas and Equations
- Chapter 4 - Three Major Classes of Chemical Reactions
- Chapter 5 - Gases and the Kinetic-Molecular Theory
- Chapter 6 - Thermochemistry: Energy Flow and Chemical Change
- Chapter 7 - Quantum Theory and Atomic Structure
- Chapter 8 - Electron Configuration and Chemical Periodicity
- Chapter 9 - Models of Chemical Bonding
- Chapter 10 - The Shapes of Molecules
- Chapter 11 - Theories of Covalent Bonding

[Done](#)

[Cancel](#)

You haven't created any Objectives yet.

[+ New Objective](#)

Creating an ALEKS Chemistry Course

Topics will display by selecting the chapter and section title. Double click on topic to see examples of topic questions and explanations. Select box next to topic to assign to current Objective.

Accessible Topic icon will surface next to all accessible topics.

Textbook View

- Section 4.2
 - Understanding periods and groups of the Periodic Table
 - Recognizing element families
 - Organization of the Periodic Table
 - Using the Periodic Table to identify similar elements
 - Distinguishing a metal from a nonmetal by physical properties

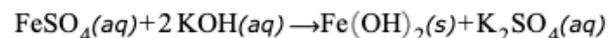
Done

Cancel

Writing net ionic equations

QUESTION

The following chemical reaction takes place in aqueous solution:



Write the net ionic equation for this reaction.

EXPLANATION

An important fact about aqueous solutions is that any ionic compounds that are dissolved in them are *not* present as whole formula units, but instead as separated ions.

- For example, when sodium chloride (empirical formula NaCl) dissolves in water it breaks up into Na^+ cations and Cl^- anions. It's *not* present as whole NaCl formula units. So if dissolved NaCl takes part in an aqueous chemical reaction, it's actually the separate Na^+ and Cl^- ions that do the reacting.

Chemists sometimes emphasize this fact by writing the equation that describes an aqueous chemical reaction with each ion shown separately. This is called writing an *ionic equation*. An equation which shows the ionic compounds as if the formula units were still together is called a *molecular equation*.



Creating an ALEKS Chemistry Course

Completed Objectives will list with number of goal topics selected.

Select Start Date and Due Date for Objectives by clicking on date boxes.

Post Objective Knowledge Checks will trigger Progress Knowledge Check upon completion of Objective and/or Due Date.

[Switch to Objectives without Due Dates](#)

Objective	Start Date	Due Date	Post Objective Knowledge Check
Objective 1 Edit (20 goal topics)	08/10/2020 12:00 AM	08/10/2020 11:59 PM	<input checked="" type="checkbox"/>

[+ New Objective](#)

If students finish an Objective early or are in between Objectives, they can catch up on past Objectives first, then work ahead.

[Back](#) [Continue](#) [Cancel](#) [Save For Later](#)

Creating an ALEKS Chemistry Course

Select Switch to Objectives without Due Dates to replace due dates with percentage completion goals. Next Objectives will unlock once student reaches percentage goal.

Select final due date for the course. Select Continue.

[Switch to Objectives with Due Dates](#)

Objective	Progress Level	Post Objective Knowledge Check
Objective 1 Edit (20 goal topics)	90 %	<input checked="" type="checkbox"/>

[+ New Objective](#)

Final Due Date

Select the final day that students can complete these Objectives.

[Continue](#) [Cancel](#)

Creating an ALEKS Chemistry Course

Select Prerequisite Topics from Recommended Topics list.
Recommended, Minimum or No Prerequisite options can be selected.

Your Class Topics

Goal Topics	+ Prerequisite Topics	= Total Topics
111	0	111

Prerequisite Topics

Checked topics are added as prerequisites and do not count toward Objective grades. If the gradebook is enabled, prerequisite topics are NOT calculated in the gradebook.

Change all prerequisite topics to goal topics ⓘ

Select **Details** to see how a topic relates to other topics.
Select **Options** to change a prerequisite to a goal topic.

Which should I choose? ⓘ

Recommended

63 Topics

Minimum

5 Topics

No Prerequisites

0 Topics

Update Your Class

(0) Topics

Continue

Back

Objective 3 (6 prerequisites)

- Understanding the purpose of SI prefixes
[Details](#) [Options](#)
- Knowing the value of an SI prefix as a power of 10
[Details](#) [Options](#)
- Interconversion of prefixed and base SI units
[Details](#) [Options](#)

Which recommendation should I choose?

Recommended
This option provides the recommended prerequisite topics that support instructional scaffolding and optimal learning. Use this with most typical classes that have some students who need additional review.

Minimum
This option provides the minimum number of prerequisite topics required for students to complete goal topics. Use this if you feel confident that your class already has enough low-level prerequisite topics.

No Prerequisites
With this option no prerequisites will be in your class. Use this if you feel confident that your class is complete as is.



Creating an ALEKS Chemistry Course

Review and Confirm Objectives and select Save.

Instructor: Mulligan
Name: General Chemistry I - Fall - MWF
Course Product: General Chemistry (First Semester)
Start Date: 08/12/2020
End Date: 12/04/2020
Textbook: Silberberg et al.: Chemistry: The Molecular Nature of Matter and Change, 9th Ed. (McGraw-Hill) - ALEKS 360

Objective Edit	Start Date	Due Date	Post Objective Knowledge Check i
Objective 1 (20 goal topics)	08/10/2020 12:00 AM	08/24/2020 11:59 PM	<input checked="" type="checkbox"/>
Objective 2 (18 goal topics)	08/25/2020 12:00 AM	09/15/2020 11:59 PM	<input checked="" type="checkbox"/>
Objective 3 (22 goal topics)	09/16/2020 12:00 AM	09/30/2020 11:59 PM	<input checked="" type="checkbox"/>
Objective 4 (24 goal topics)	10/01/2020 12:00 AM	10/22/2020 11:59 PM	<input checked="" type="checkbox"/>
Objective 5 (28 goal topics)	10/23/2020 12:00 AM	11/27/2020 11:59 PM	<input checked="" type="checkbox"/>

[Back](#)

[Save](#)

[Cancel](#)

[Save for Later](#)



Creating an ALEKS Chemistry Course

All Objectives can be found and edited from the Assignment list.

Select the Objective box and select Edit from the menu to edit any topics within the Objective.

Filter		Search					
New Assignment		Select one or more rows to perform an action					
<input type="checkbox"/>	Name	Type	Start	Due	Status	Details	Report
<input type="checkbox"/>	Initial Knowledge Check	Knowledge Check	-	-	Open		
<input type="checkbox"/>	Objective 1	Objective	08/10/2020 12:00 am	08/24/2020 11:59 pm	Upcoming	20 Topics	
<input type="checkbox"/>	Knowledge Check After Objective 1	Knowledge Check	-	-	Upcoming	-	
<input type="checkbox"/>	Objective 2	Objective	08/25/2020 12:00 am	09/15/2020 11:59 pm	Upcoming	18 Topics	
<input type="checkbox"/>	Knowledge Check After Objective 2	Knowledge Check	-	-	Upcoming	-	
<input type="checkbox"/>	Objective 3	Objective	09/16/2020 12:00 am	09/30/2020 11:59 pm	Upcoming	22 Topics	

Support and Resources

TECH SUPPORT & FAQ:

CALL: (800) 258-2374

EMAIL & CHAT: aleks.com/support

MONDAY-THURSDAY: 7 AM – 1 AM EST

FRIDAY: 7 AM – 9 PM EST

SUNDAY: 4 PM – 1 AM EST

FIND MORE SUPPORT:

supportateverystep.com

FIND MORE TIPS:

mheducation.com/highered/ideas