• Premier, multi-disciplinary engineering content that complements course material
• 750 interactive tables and graphs to keep students engaged
• 100+ instructional videos that reinforce key engineering concepts
• Ready-to-use curriculum maps highlight content of particular relevance to courses
• *Schaum’s Outlines* to aid students’ understanding and help them prepare for the FE exam
• Personalized research tools
• General and discipline-specific newsfeeds updated in real time
Search & Browse
Basic & Advanced Search

Want more out of AccessEngineering?

Get extra features with your personal account:
- Save starred items for later
- Annotate text and graphs
- Group items with labels
- Export tables to Excel
- View your search history
- Save searches and create search alerts

Register for Personalization

Basic Search

Advanced Search

Browse Subjects

Tools & Media

Featured Content

Instructive Videos
Conduct A Basic Search

Enter a keyword or phrase into the search bar in the center of the homepage and click GO

Hint: The search engine supports advanced search techniques

- Boolean AND, OR, and NOT (e.g., mechanical AND engineering)
- Quotation marks (“ ”) to find an exact phrase (e.g., “mechanical engineering”)
- Asterisks (*) to match partial words (e.g., thermo*)
Conduct An Advanced Search

1. Click **ADVANCED SEARCH** underneath the search bar

2. Enter keywords or phrases in the text boxes and select search operators

3. Refine your results by content type, subject, and/or title, and click **SEARCH**
Narrow Your Search With Filters

**Dictionary Result**

**distillation**

**chemistry**
The process of producing a gas or vapor from a liquid by heating the liquid in a vessel and collecting and condensing the vapors into liquids.

di-stil-a-shen

**Search Results**

Your search for **distillation** returned **1,063** results.

**Distillation**

Distillation Distillation M. F. Doherty, Ph.D. Professor of Chemical Engineering, University of California—Santa Barbara (Section Editor) Z. T. Fidkowski, Ph.D. Process Engineer, Air Products and Chemicals Inc. (Distillation Systems) M. F. Malone, Ph.D. Professor of Chemical Engineering and Dean of Engineering, University of Massachusetts

Type: Text

Source: *Perry's Chemical Engineers' Handbook, Eighth Edition*

**Note:** Filters are only available on search result pages.
Apply & Remove Search Filters

Easily target the most relevant material by filtering search results by subject, title, content type, and process type. Multiple filters can be applied to a search.

1. Narrow your search results by clicking an applicable filter on the left-hand side of your search results page.
2. Remove a filter by clicking the name of the filter, e.g., “All Subjects”. Each of these is a filter.
Browse By Subject

Either hover over **SUBJECTS** on the top navigation bar...

...or **BROWSE SUBJECTS** from the center of the homepage
1. Click **TITLES (A-Z)** on the navigation bar

2. Either browse **ALL** titles in alphabetical order...

3. ...or click the alphabetical range within which the first letter of the title appears
1. On the homepage, scroll down to the **TOOLS & MEDIA** box in the center of the page

2. Click **VIDEOS** to be taken to a search results page showing a list of all videos on the site

The 👤 icon on the search results page indicates that a search result is a video
1. On the homepage, scroll down to the **TOOLS & MEDIA** box in the center of the page

2. Click **GRAPHS** to be taken to a search results page showing a list of all graphs on the site

The icon on the search results page indicates that a search result is a graph
Personal Accounts

Personal accounts allow you to save searches and receive search alerts, as well as organize, label, annotate, and highlight material of particular interest. Personal accounts are free for all users at the subscribing institution, and they take only a few seconds to create.
Create A Personal Account

Want more out of AccessEngineering?

Get extra features with your personal account:

- Save starred items for later
- Annotate text and graphs
- Group items with labels
- Export tables to Excel
- View your search history
- Save searches and create search alerts

REGISTER FOR PERSONALIZATION

Register to create your user account, or sign-in if you have an existing account.

Forgot password

Email
Password
Submit
Create A Personal Account

1. On the right-hand side of the homepage, click REGISTER

2. Complete the form that pops up, and then click SIGN UP
Log Into Your Personal Account

1. On the right-hand side of the homepage, enter the email and password you used when registering for a personal account, and click SUBMIT.

2. After logging in successfully, you will see your email address on the right-hand side of the page, and the upper-most box on the homepage will show your account activity.
Personalized Tools

*Note*: These features are only available to users who are signed into their personal account.
Starred Items

A starred item acts much like the “bookmark” or “favorite” function within most web browsers by storing links to pages of content for easy retrieval at a later time.

1. Navigate to any content page

2. Click on the next to the name of the chapter

3. When the becomes filled, the page gets stored in your list of starred items in your personal account

A star can be removed by either re-clicking the star or deleting it from your page.
Labels

Labels are used to sort and classify content.

1. From any content page, hover over APPLY LABEL

2. Either click the box next to the applicable label, or click ADD LABEL if there’s no applicable label

3. To create a new label, type the name of the label, click ADD, and then click RETURN TO PREVIOUS PAGE TO APPLY LABEL(S)

Continued on next slide...
4. When you’ve returned to the content page, hover over **APPLY LABEL** again

5. Click the box next to the new label

6. A dialog box will appear after you click the box to confirm the page has been saved to the applicable label
Place And Save Push Pins On Data Points On Interactive Graphs

1. Drag the blue crosshairs around the graph to the desired data point

2. Click DROP PIN below the graph to place a push pin on the desired data point and automatically save it to your personal account

3. You can annotate a pin by hovering over the pin and clicking ANNOTATE on the text box that appears

Pins are saved to MY ACCOUNT and can be deleted from your page.
Annotate Text

1. Highlight a block of text of particular interest on any content page

2. Click the pencil icon

3. Type your note in the text box that appears, and click SAVE

4. Your annotated text is now highlighted, and your notes will appear when you hover over the text

Annotations are saved to MY ACCOUNT and can be downloaded into a .csv file
Curriculum Maps

Curriculum Maps are organized sets of resources that include textbook sections, tables, videos, and examples to help teach core concepts in engineering. These Maps make it easy for faculty to decide which resources to assign their students within core courses.
Curriculum Maps

Welcome User Services
Your recent AccessEngineering account

- Starred items (7)
- Annotations & Figs (13)
- Manage labels (4)
- Saved searches (2)
- Search history (19)

Search Access Engineering
Advanced Search

Browse Subjects
- Biomedical
- Chemical
- Civil
- Communications
- Environmental/Sustainable
- Industrial
- Mechanical
- Operations Management

Tools & Media
- Graphs
- Videos
- Curriculum Maps
- Engineering News

Featured Content
- Instructive Videos
- Interactive Graphs

PERRY'S CHEMICAL ENGINEERS' HANDBOOK
8th Edition

MARKS' STANDARD HANDBOOK
# Curriculum Map

**Course:** Heat Transfer

**Authors**
- Don W. Green, Editor-in-Chief, Perry's Chemical Engineers' Handbook, 8th Edition, and Eminent Distinguished Professor of Chemical and Petroleum Engineering, University of Kansas
- Marylee Southard, Associate Professor, Chemical Engineering, University of Kansas

## Course Topics
- Conductive Heat Transfer
- Convective Heat Transfer
- Heat Transfer with Phase Change
- Radiative Heat Transfer
- Heat Transfer Equipment Design

## Conductive Heat Transfer

<table>
<thead>
<tr>
<th>Relevant Material</th>
<th>Type</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Transfer by Conduction</td>
<td>Text</td>
<td>Conduction heat-transfer basics</td>
<td>Perry’s Chemical Engineers’ Handbook</td>
</tr>
<tr>
<td>Nomenclature and Units</td>
<td>Table</td>
<td></td>
<td>Perry’s Chemical Engineers’ Handbook</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>Text</td>
<td>Methods of estimation of thermal conductivity</td>
<td>Perry’s Chemical Engineers’ Handbook</td>
</tr>
</tbody>
</table>
Questions?

Please email techsupport@mhprofessional.com.

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