

Teaching with OER at UK

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CHE 103: Chemistry for Allied Health Professionals

- Pre-nursing students
- One-semester survey course (GOB)
- Only chemistry course
- 200-250 students per semester

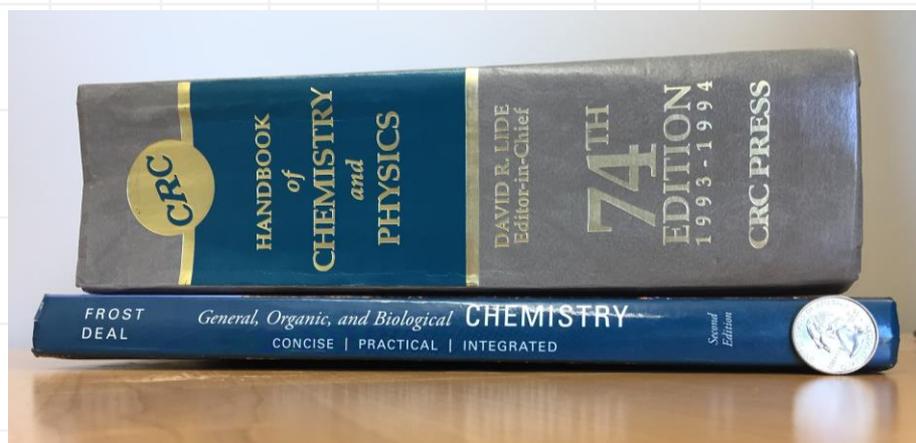


Why change?

- Limited number of textbooks available at appropriate level with covered content
- Content order in textbooks
- Cost

Traditional Textbook

- Cost
 - New: \$165
 - Average student cost: \$85
- Not a reference book for students



Challenges in Finding OER

- Content
 - Topics
 - Accuracy
 - Readability
- Level
 - Broad survey of topics
 - Shallow coverage

Resources

- OpenStax
- LibreText (ChemWiki)
- CK12.org

CK12

- Pros

- Web-based
- PDF
- Substantial amount of content

- Cons

- Editor
- Level of content not always sufficient
- Hard to link to individual section or page

LibreText (ChemWiki)

- Content
 - Transferred existing content
 - More chemistry content available
- Improved editing
- Link to book, pages, and sections

Where do we go from here?

- Improvement of current materials
 - Content
 - Practice problems
 - Solutions manual
- Other CHE courses
 - OpenStax as option for current students in General Chemistry (correlation guide)

Acknowledgements



College of Arts & Sciences
CHEMISTRY



Megan Sout