

# Better Resources = Better Courses

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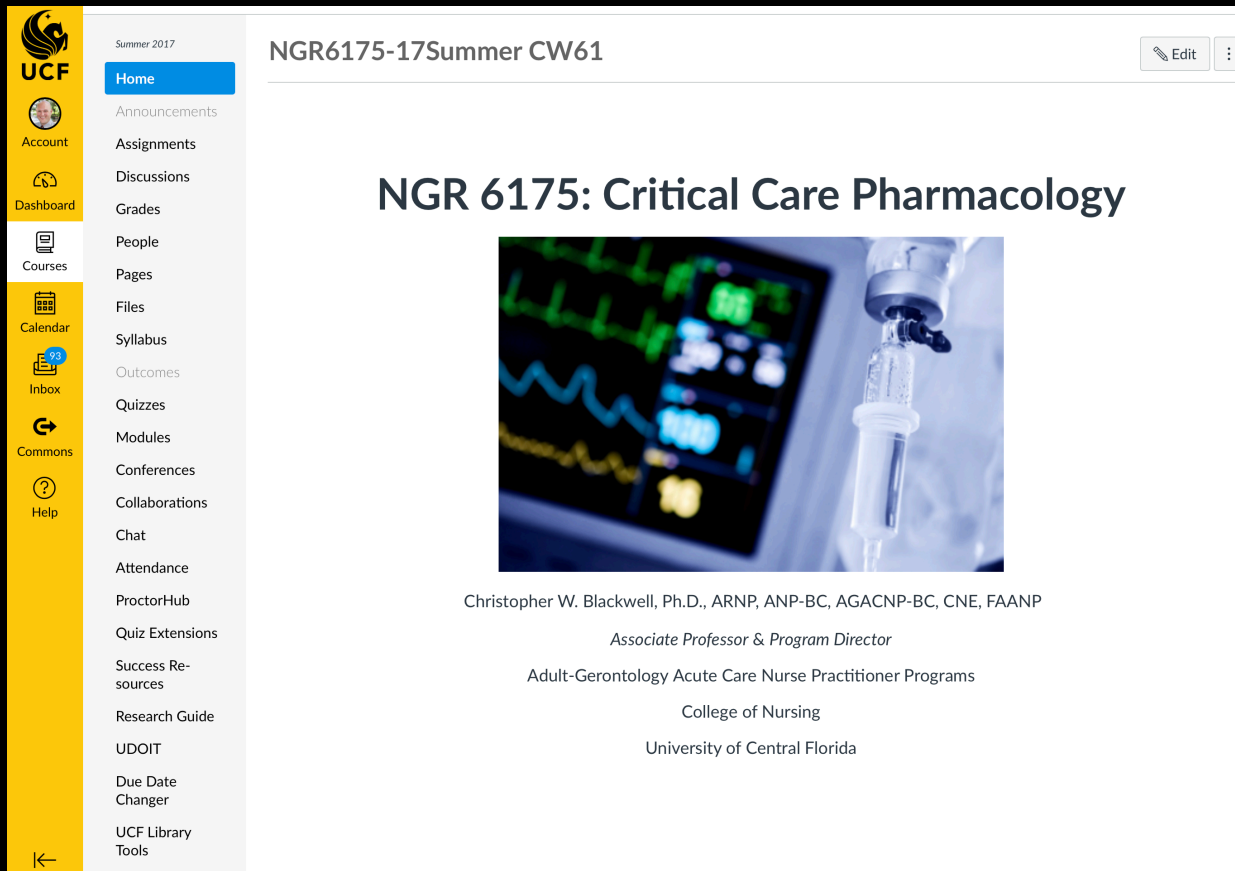
# Acute Care Resources

- Embedded librarianship used in **EVERY** AGACNP-specific course:
  - NGR 6210: AGACNP I
  - NGR 6230L: Diagnostics and Skills for Care of the Critically Ill
  - NGR 6211/L: AGACNP II
  - NGR 6175: Critical Care Pharmacology
  - NGR 6212/L: AGACNP III
  - NGR 6215: AGACNP Practicum



# Acute Care Resources

- Exemplar:
  - NGR 6175: Critical Care Pharmacology



Summer 2017

NGR6175-17Summer CW61

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## NGR 6175: Critical Care Pharmacology



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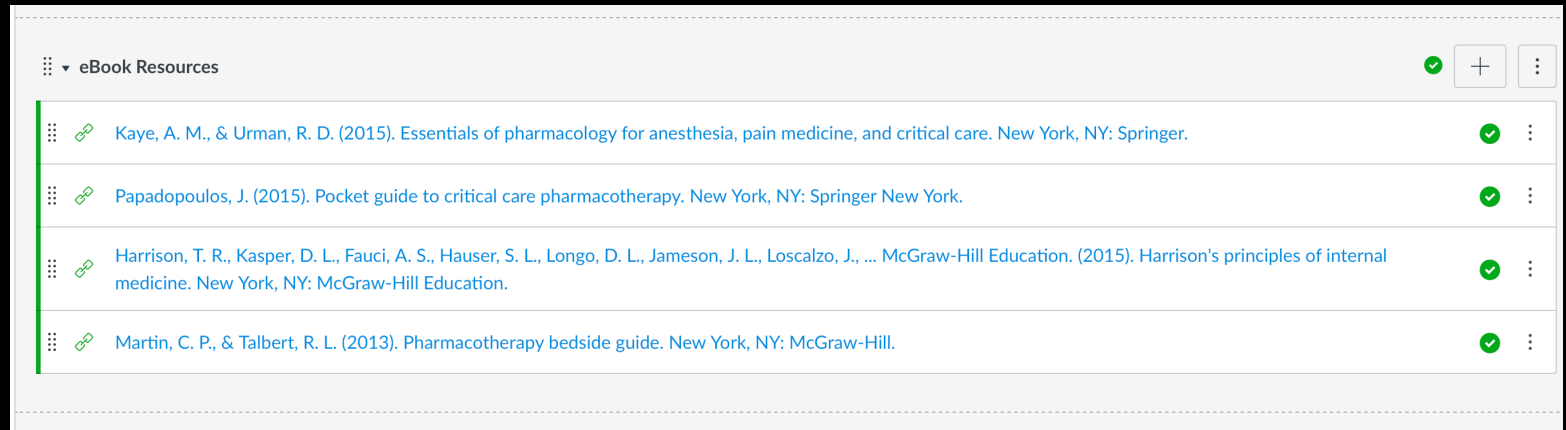
Adult-Gerontology Acute Care Nurse Practitioner Programs

College of Nursing

University of Central Florida

# Acute Care Resources

- Exemplar:
  - NGR 6175: Critical Care Pharmacology



The screenshot displays a digital library interface with a list of eBook resources. The list is titled "eBook Resources" and includes four entries, each with a link icon, a title, and a status indicator (a green checkmark).

Link	Title	Status
<a href="#">Kaye, A. M., &amp; Urman, R. D. (2015). Essentials of pharmacology for anesthesia, pain medicine, and critical care. New York, NY: Springer.</a>	Kaye, A. M., & Urman, R. D. (2015). Essentials of pharmacology for anesthesia, pain medicine, and critical care. New York, NY: Springer.	✓
<a href="#">Papadopoulos, J. (2015). Pocket guide to critical care pharmacotherapy. New York, NY: Springer New York.</a>	Papadopoulos, J. (2015). Pocket guide to critical care pharmacotherapy. New York, NY: Springer New York.	✓
<a href="#">Harrison, T. R., Kasper, D. L., Fauci, A. S., Hauser, S. L., Longo, D. L., Jameson, J. L., Loscalzo, J., ... McGraw-Hill Education. (2015). Harrison's principles of internal medicine. New York, NY: McGraw-Hill Education.</a>	Harrison, T. R., Kasper, D. L., Fauci, A. S., Hauser, S. L., Longo, D. L., Jameson, J. L., Loscalzo, J., ... McGraw-Hill Education. (2015). Harrison's principles of internal medicine. New York, NY: McGraw-Hill Education.	✓
<a href="#">Martin, C. P., &amp; Talbert, R. L. (2013). Pharmacotherapy bedside guide. New York, NY: McGraw-Hill.</a>	Martin, C. P., & Talbert, R. L. (2013). Pharmacotherapy bedside guide. New York, NY: McGraw-Hill.	✓



# Acute Care Resources

- Exemplar:
  - NGR 6175: Critical Care Pharmacology

Unit IV: Sedatives, Muscle Relaxants, Anti-Epileptics, and Neuropharmacologic/ Psychiatric Agents

Unit 4 Narrated Power Point Lecture (1/4)	✓
Unit 4 Narrated Power Point Lecture (2/4)	✓
Unit 4 Narrated Power Point Lecture (3/4)	✓
Unit 4 Narrated Power Point Lecture (4/4)	✓
Unit 4 Supplemental Outline: Sedatives	✓
Unit 4: Sedatives, Muscle Relaxants, Anti-Epileptics,, and Neuropharmacologic/ Psychiatric Agents Lecture Slide Deck	✓
<a href="#">Access Medicine Video Animation: Adrenergic Neuroeffector Junction: Molecular physiology and pharmacology of the adrenergic neuroeffector junction, including the actions of cocaine and reserpine.</a>	✓
<a href="#">Access Medicine Video Animation: Cholinergic Neuroeffector Junction: Molecular physiology and pharmacology of the cholinergic neuroeffector junction, including the actions of hemicholinium, vesamicol, and botulinum toxin</a>	✓
<a href="#">Access Medicine Video Animation: Dopaminergic Neuroeffector Junction: The key features of a typical dopaminergic neuroeffector junction, including the synthesis, storage, and release of dopamine</a>	✓
<a href="#">Access Medicine Video Animation: GABAergic Synaptic Transmission: This animation illustrates the workings of a GABAergic synapse, including the actions of gamma-amino butyric acid (GABA) and drugs that affect GABAergic neurotransmission.</a>	✓
Supplemental Videos (IU Critical Care Medicine)	⊘
<a href="#">Sedatives in the ICU</a>	✓



# Acute Care Resources


## ■ Exemplar:

- NGR 6172: Pharmacology Advanced Nursing Practice

Spring 2018

NGR6172-18Spring 0M01

Edit



NGR6172 - Pharmacology for Advanced Nursing Practice

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# Acute Care Resources

## ■ Exemplar:

### ■ NGR 6172: Pharmacology Advanced Nursing Practice

The screenshot displays a library research guide interface. On the left is a yellow sidebar with navigation icons for UCF, Account, Dashboard, Courses, Calendar, Inbox, Commons, and Help. The main content area features a search bar and a list of items. The first item is a post by Karis Lee from Jan 20, 2018, asking for clarification on acid-labile and acid-stable drugs. The second item is a reply by Andrew Todd from Jan 22, 2018, providing a definition and several academic references with links to full-text articles.

Search entries or author   Unread      

Research Guide

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**Karis Lee**  
Jan 20, 2018

In the recorded lecture Pharmacology 101, can somebody explain what acid labile and acid stable means in terms of absorption for drugs? What it means when pKa is at a different level compared with pH level? The Henderson-Hasselbach in action slide was confusing to me as well.

**Andrew Todd**  
Jan 22, 2018

Hi Karis,

Absolutely! Here is an article from the International Journal of Pharmaceutical Sciences and Research which provides a definition and a basic overview of acid labile drugs (just follow the link and log in with your NID/pw if prompted):

Khulbe, P., Shrivastava, B., Sharma, P., & Tiwari, A. K. (2017). In-situ buffered formulation: an effective approach for acid labile drug. *International Journal of Pharmaceutical Sciences and Research*, 8(1), 35. doi:10.13040/IJPSR.0975-8232.8(1).35-44

<https://login.ezproxy.net.ucf.edu/login?auth=shibb&url=http://link.galegroup.com.ezproxy.net.ucf.edu/apps/doc/A486641459/HRCA?u=orla57816&sid=HRCA&xid=940d952c>

Based on this article, it is reasonable to assume that "acid-stable" refers to drugs that are not easily destroyed in acidic environment.

These articles (although older) address the relationship between PKA and PH as it pertains to excretion, reabsorption, and GI solubility:

Bonate, P. L., Reith, K., & Weir, S. (1998). Drug interactions at the renal level. Implications for drug development. *Clinical Pharmacokinetics*, 34(5), 375-404.

<https://login.ezproxy.net.ucf.edu/login?auth=shibb&url=http://search.ebscohost.com.ezproxy.net.ucf.edu/login.aspx?direct=true&db=cmedm&AN=9592621&site=ehost-live&scope=site>

Hörter, D., & Dressman, J. (1997). Influence of physicochemical properties on dissolution of drugs in the gastrointestinal tract. *Advanced Drug Delivery Reviews*, 25, 3-14. doi:10.1016/S0169-409X(96)00487-5

<https://login.ezproxy.net.ucf.edu/login?auth=shibb&url=https://www.sciencedirect.com.ezproxy.net.ucf.edu/science/article/pii/S0169409X96004875>

Hope this helps. Will add some sources related to the Henderson-Hasselbalch equation soon!

Andy

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UCF Librarian  
EFSC/UCF Joint-Use Library, UCF Cocoa Campus, 321.433.7878