Clinical Epidemiology Coil (necessary for all three semesters of Foundation Phase)
Course Number: MTEC 101
Section: Clin Epi
Title: Clinical Epidemiology: The Essentials, 5th edition, 2014 (There is a 6th edition, but we use the 5th)
Author: Fletcher, Fletcher, and Fletcher
Publisher: Lippincott, Williams, and Wilkins
ISBN: 9781451144475
Required? YES
Freely available through the Health Science Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb7786583

Pathology Coil (necessary for all three semesters of Foundation Phase)
Course Number: MTEC 101
Section: Path
Title: Robbins and Cotran Pathologic Basis of Disease, 9th edition, 2015
Author: Abbas, Aster and Kumar
Publisher: Elsevier/Saunders
ISBN: 9780323266161
Required? YES
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb9643903

Optional Pathology texts:
https://shop.lww.com/Rubin-s-Pathology/p/9781496386144
https://shop.lww.com/Principles-of-Rubin-s-Pathology/p/9781496350329

Microbiology Coil (necessary for all three semesters of Foundation Phase)
Course Number: MTEC 101
Section: Micro
Title: Review of Medical Microbiology & Immunology: A Guide to Clinical Infectious Diseases, 17th Edition, 2022
Author: Warren Levinson, Peter Chin-Hong, Elizabeth A. Joyce, Jesse Nussbaum, Brian Schwartz
Publisher: McGraw- Hill
ISBN: 9781264267088
Required? YES
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb10859744

Anatomy Coil (necessary for all three semesters of Foundation Phase)
Course Number: MTEC 101
Section: Anat
Author: Frank Netter
ISBN: 9780323393225
Publisher: Saunders
Required? NO
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb9646545
You will need the following anatomy supplies beginning in the Cardiology Block:

- White lab coat OR scrubs (lab coat can be re-used from microbiology laboratories)
- Box of gloves (SOM will provide one box of gloves per student)

**Genetics Coil (necessary for all three semesters of Foundation Phase)**

Title: *Human Genetics and Genomics, 4th Edition, 2013*

Author: Bruce R. Korf; Mira B. Irons

Publisher: Wiley-Blackwell

ISBN: 9780470654477

Freely available through the Health Sciences Library (HSL): [https://catalog.lib.unc.edu/catalog/UNCb7389332](https://catalog.lib.unc.edu/catalog/UNCb7389332)

**Physiology Coil (necessary for all three semesters of the Foundation Phase)**

Title: *Physiology, 6th edition, 2017*

Author: Linda S. Costanzo

Publisher: Elsevier Health Sciences

ISBN: 9780323478816

Required? NO - Unless superseded by Block Director

**Medical Physiology, 3rd edition, 2017**

Author: Boron and Boulpaep

Publisher: Elsevier Health Sciences

ISBN: 9781455743773

Required? NO - Unless superseded by Block Director

Freely available through the Health Sciences Library (HSL): [https://catalog.lib.unc.edu/catalog/UNCb9725859](https://catalog.lib.unc.edu/catalog/UNCb9725859)

**SOCIAL AND HEALTH SYSTEMS**

*(necessary for SHS1 and SHS2)*

Course: MTEC 121

Section: SHS1 and SHS2


Author: Oberlander J., Buchbinder M., Churchill L., Estroff S., King N., Saunders B., Strauss R., and Walker, R.

Publisher: Duke Press

ISBN: 978-1478002819 (Vol. 1) and 978-1478002826 (Vol. 2)

Required? YES

Freely available through the Health Sciences Library (HSL) Volume 1: [https://catalog.lib.unc.edu/catalog/UNCb9710256](https://catalog.lib.unc.edu/catalog/UNCb9710256)

Volume 2: [https://catalog.lib.unc.edu/catalog/UNCb9653225](https://catalog.lib.unc.edu/catalog/UNCb9653225)
PATIENT-CENTERED CARE
(necessary for all three semesters of Foundation Phase)

Course: MTEC 111
Section: PCC
Title: Symptom to Diagnosis, An Evidence-Based Guide, 4th Edition, 2020
Author: Scott D. C. Stern, Adam S. Cifu, Diane Altkorn
Publisher: McGraw Hill
ISBN: 9781260121117
Required? YES
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb10838158
It is recommended to purchase a copy.

Course: MTEC 111
Section: PCC
Author: Bickley, LS, Szilagyi, PG, Hoffman, RM
Publisher: Wolters Kluwer Health
ISBN: 9781496398178
Required? YES
Available at HSL: 1st Floor Reference WB 205 B329g 2021- In-library Use only

Course: MTEC 111
Section: PCC
Title: The Medical Interview: Mastering Skills for Clinical Practice, 5th Edition, 2006
Author: John L. Coulehan, Marian R. Block
Publisher: F A Davis Company
ISBN: 9780803612464
Required? YES
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb5180017

Note: Students may choose to purchase eBooks OR physical copies of the PCC texts above.

MEDICAL SCIENCE BLOCKS

RESPIRATORY – COURSE DATES: 1/2 - 1/30
Course Number: MTEC 102 Section: RES
No required textbook.

The Physiology textbooks 1-4 below are supplementary. The Weinberger text is highly recommended to accompany the clinical respiratory disease lectures.

1) Title: Pulmonary Physiology, 9th Edition, 2018
Author: Levitzky, MG
Publisher: McGraw-Hill Education
ISBN: 9781260019339
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb10838151
2) Title: First Aid for the Basic Sciences: Organ Systems, 3rd edition, 2017 (Respiratory Chapter 10)
   Author: Le, Tao and Krause, Kendall
   Publisher: McGraw-Hill Education
   ISBN: 9781259587030
   Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb10859530

3) Title: Ganong's Review of Medical Physiology, 26th Edition, 2019 (Chapter 34)
   Author: Brooks HL
   Publisher: McGraw-Hill Education
   ISBN: 9781260122404
   Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb10838122

4) Title: Medical Physiology, 3rd edition, 2017 (more in depth than you need to know, but comprehensive and good explanations)
   Author: Boron and Boulpaep
   Publisher: Elsevier Health Sciences
   ISBN: 9781455743773
   Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb9725859

   Title: Principles of Pulmonary Medicine, 7th edition, 2019
   Physiology review in parts of Chapters 1, 3, 8 and 15. This text is a reasonably comprehensive reference for the clinical lung disease topics.
   Author: Weinberger, SE
   Publisher: Elsevier
   ISBN: 9780323523738
   Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb9643927

Notes on additional references: The testable physiology facts and concepts are all contained in the syllabi and Powerpoints, excluding italicised portions that are supplementary information.

Caveat:
USMLE questions may encompass Physiology material not in the syllabi. The online physiology resources below provide alternate ways of explaining concepts and are available if your curiosity about a particular topic drives you towards a deeper level of understanding. The references have varying levels of detail and the content in each reference is not identical to the syllabi. Reference 1 most closely mirrors the Physiology syllabi- but not exactly!

RENAL – BLOCK DATES: 1/31 – 2/24
Course Number: MTEC 102
Section: USC
Title: Ganong's Review of Medical Physiology, 26th Edition, 2019 (Chapter 34)
Author: Brooks HL
Publisher: McGraw-Hill Education
ISBN: 9781260122404
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb10838122
Author: Rubin E, Resiner, HM
Publisher: Wolters Kluwer Health
ISBN: 9781451110234
Available in print at HSL: QZ 4 P2971e 2014 3rd floor

**Section: Embryology**

Title: **The Developing Human, 9th Edition, 2013**
Author: Moore KL, Persaud, TVN, Torchia MG
Publisher: Saunders/Elsevier
ISBN: 9781437720020
Available in print at HSL: QS 604 M822d 2013 3rd Floor

**GI – BLOCK DATES: 3/13 – 4/14**
Course Number: MTEC 102
Section: GI
Title: **Current Diagnosis and Treatment: Gastroenterology, Hepatology, and Endoscopy, 3rd edition, 2016**
Author: Greenberger NJ, Blumber RS, Burakoff R
Publisher: McGraw-Hill Education
ISBN: 9780071837729
Required: NO – Optional
Freely available through the Health Sciences Library (HSL): https://catalog.lib.unc.edu/catalog/UNCb8857214

**INT/MSK – BLOCK DATES: 4/17 – 5/26**
Course Number: MTEC 102
Section: MSK
No required textbook