

**2022 Spring Semester
MS1 Foundation Phase Semester 2
School of Medicine**

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

Title: **Atlas of Human Anatomy, 7th edition, 2017**

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>

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

Title: **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>

SOCIAL AND HEALTH SYSTEMS (necessary for SHS1 and SHS2)

Course: MTEC 121

Section: SHS1 and SHS2

Title: **The Social Medicine Reader, 3rd Edition, Vol. 1 (Ethics and Cultures of Biomedicine) AND Vol. 2 (Differences and Inequalities), 2019**

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>

Volume 2: <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

Title: **Bates' Guide to Physical Examination and History Taking, 13th Edition, 2021**

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>

Title: **Essentials of Rubin's Pathology, 6th Edition, 2014** The relevant chapter is Chapter 16, The Kidney, by J. Charles Jennette (pages 1-33).

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, Blumberg 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