TEXTBOOK LIST

Foundation in Medical Sciences, Fall 2017

Note: Since Foundations in Medical Sciences (FMS) involves an introduction to all the basic sciences, many textbooks are relevant to the material to be covered. These books will be of use throughout the medical curriculum, not just in Foundations. The books on this list have been arranged by the approximate section of the FMS curriculum when they will first be used. **Students are advised to wait until they have spoken with faculty members and with other students before deciding which books to purchase.** The books on the list will be placed on reserve in the Norris Medical Library. There may also be on-line versions of these books.

**Biochemistry and Molecular Biology** - Students may use texts they already have from undergraduate biochemistry and molecular biology courses or one of the following:

- **Recommended:**
  - D.R. Ferrier, *Biochemistry* (7th Ed.), Part of Lippincott's Illustrated Reviews Series, Lippincott Williams and Wilkins, 2017. *(A concise text that students have found useful for review.)*
  - T.M. Devlin (Ed.), *Textbook of Biochemistry with Clinical Correlations* (7th Ed.), John Wiley & Sons, Inc., 2010. *(A comprehensive text with many clinical examples; also useful for Nutrition.)*
  - A.M. Marks (Ed.), *Marks' Basic Medical Biochemistry* (Lieberman, Marks's Basic Medical Biochemistry) 5th Edition, 2018

**Genetics** – These books include summary information on Medical Genetics and Molecular Biology.

- **Recommended:**


**Physiology** – There is no required text. The teaching materials provided by faculty are meant to be sufficient. Students wishing supplemental information or an alternative description of relevant material may wish to consult the latest edition of the following textbooks:

- **Recommended:**
  - Boron and Boulpaep: *Medical Physiology*, Saunders; 3rd edition, 2016- particularly comprehensive


- Koeppen and Stanton: Berne and Levy Physiology, Mosby; 6 edition (December 11, 2009)


**Pharmacology**

**Recommended:**

**Microanatomy**

**Recommended:**

**Human Anatomy** – Students will be responsible for all material provided by the faculty in lectures and lecture handouts, as well as a dissection guide written by the gross anatomy faculty. These items will be provided to the students at appropriate times during the course. Students are also requited to purchase an anatomical atlas. For those who learn best by reading a traditional textbook, the Moore and Dalley textbook is well done with excellent illustrations and clinical correlations, and will make a good reference for those who will regularly use anatomy in their future practices (e.g., surgeons; radiologists). Many of its chapters also provide good introductory content on topics that will not necessary be covered in detail during lectures.

**Highly Recommended Texts:**
- Moore and Dalley, Clinically Oriented Anatomy (7th Ed.), Lippincott Williams & Wilkins, 2014

**Required Atlas:** All students will need to purchase a Netter atlas to help them in the dissection lab and for review at home. The Netter atlas is used in the labs and many of the lectures, lecture handouts and the dissection guide often refer to images from Netters.

**Recommended Atlas:** The Rohen atlas is a collection of color photographs of cadaver dissections that some students find useful when reviewing material at home.
**Embryology** – There is no requirement to purchase a textbook for Embryology; class materials should be sufficient for most students. The Dudek book is recommended for being concise and inexpensive; the Moore and Larsen textbooks are large and have much more detail than is necessary for this course, but are excellent sources for further information, and are both in the library for students who seek an occasional reference.

**Recommended:**

**Highly Recommended:**

**Microbiology and Immunology**

**Required:**

**Recommended:** *(Copies of these and other microbiology texts will be available on reserve in the library.)*
- D.L. Heymann (Ed.), *Control of Communicable Diseases Manual* (20th Ed.), American Public Health Assn., 2014. *(Also available online)*

**Pathology**

**Required:**

**Alternate:**
Nutrition – Although there are only a few Nutrition lectures in FMS, this book will be useful to students as they consider nutrition issues in clinical cases, organ systems, and self-study modules throughout the first 2 years.

Recommended:

Psychiatry – The handouts are the only required text.

Supplemental Texts:
- Diagnostics and Statistical Manual of Mental Disorders, 5th Edition

Evidence-based Medicine – Only the Syllabus notes for each lecture and their associated problem sets are required, and should be sufficient for most students. The following textbooks are recommended for those students who would like to have, or feel the need for, additional explanations and/or additional practice problems.

Recommended:
- R.F. Morton, J.R. Hebel, R.J. McCarter, *A Study Guide to Epidemiology and Biostatistics* (7th Ed.), Jones & Bartlett, 2012. (Contains additional examples and excellent additional practice problems at the end of each chapter, plus four self-assessment practice tests containing a total of 125 multiple-choice items. However, the chapters themselves are even more condensed than our lecture notes.)
- L. Gordis, *Epidemiology* (5th Ed.), W.B. Saunders Co., 2013. (Contains more complete explanations than the Study Guide above. Also includes a few practice items at the end of each chapter.)
- J. M. Elwood, *Critical Appraisal of Epidemiologic Studies and Clinical Trials* (3rd Ed.), Oxford Univ. Press, 2007. (For students wanting more in-depth understanding of the process for critically evaluating medical research studies. However, it presents a more complete system for critically appraising epidemiologic studies and clinical trials than will be taught in this course. Excellent explanations and rationale as well as excellent examples. More likely to be useful during the Systems when students will be responsible for critical appraisals of specific research studies than during Core Principles.)
• Hulley SB, Cummings SR, Browner WS, Grady DG, Newman TB. Designing clinical research, 4th edition. Lippincott Williams & Wilkins; 2013. (An excellent introductory text to conducting clinical translational research)

