

**Required/Optional Textbooks
Class of 2020 – First Year**

Human Bioscience I

Lehninger Principles of Biochemistry by Nelson and Cox (6th edition), W. H. Freeman and Company, New York (2013)

Textbook of Biochemistry with Clinical Correlations, Thomas M. Devlin, Editor, (7th edition), Wiley-Liss Publishers, New York (2011)

Textbook of Medical Physiology (Pocket Companion), edited by A. C. Guyton and John E. Hall (12th edition), W. B. Saunders (2011)

Wheater's Functional Histology by B. Young, J. Lowe, A. Stevens and J. Heath (6th edition), Churchill Livingstone Elsevier (2013)

Human Bioscience II

Textbook of Medical Physiology (Pocket Companion), edited by A. C. Guyton and John E. Hall (12th edition), W. B. Saunders (2011) (same one used for HB I)

Lehninger Principles of Biochemistry by Nelson and Cox (Fifth Edition), W. H. Freeman and Company, New York (2008)

Textbook of Biochemistry with Clinical Correlations, Thomas M. Devlin, Editor, (Seventh Edition), Wiley-Liss Publishers, New York (2011)

Textbook of Medical Physiology (or the Pocket Companion), edited by A. C. Guyton and John E. Hall (12th edition), Elsevier (2012)

Wheater's Functional Histology by B. Young, J. Lowe, A. Stevens and J. Heath (fifth Edition), Churchill Livingstone Elsevier (2006)

Gross Anatomy

Clinically Oriented Anatomy, Seventh Edition. Keith L. Moore, Arthur F. Dalley, Anne M.R. Agur. Lippencott Williams & Wilkins, Wolters Kluwer (2014). ISBN: 978-1-4511-1945-9

Human Anatomy Color Atlas and Textbook, 5th Ed. JA Gosling, PF Harris, JR Humpherson, et al. Mosby Elsevier (2008). ISBN: 978-7234-3451-1

Neuroanatomy:

Essential Neuroscience, Allan Siegel and Hreday N. Sapru: 2nd or 3rd Edition. Lippincott / Williams and Wilkins. Available in print and e-book versions.

Integrated Optics I

Integrated Optics I (required)

Schwartz, SH (July, 2013). *Geometrical and Visual Optics: A Clinical Introduction, Second Edition*. New York: McGraw-Hill.

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This book is scheduled for publication on July 12. Students should be sure that they have access to the second edition.

Integrated Optics II

Recommended Texts:

- 1) **Geometric, Physical, and Visual Optics** by M. Keating (Butterworth)
- 2) **Introduction to Geometrical Optics** by M. Katz (World Scientific)
- 3) **Optics and Vision** by L.S. Pedrotti and F.L. Pedrotti (Prentice Hall)
- 4) **Presbyopia: Origins Effects & Treatment** by I. Pallikaris, N. Charman & S. Plainis (Slack)

Visual Function Sensory

(required) **Visual Perception: A Clinical Orientation** by Schwartz, S. H. (Fourth Edition), McGraw-Hill (2010).

(highly recommended) *Perception* by Blake & Sekuler (5th Edition, 2006). This text is freely available online and I am making selected chapters available on Moodle

OTP I and II (required)

Optometry: Science, Techniques and Clinical Management, by Rosenfield M. and Logan N. Elsevier, Edinburgh (2009).

OABP I and II

(Favorite among students and highly recommended) **Clinical Anatomy of the Visual System**, by Remington LA. Butterworth-Heinemann, St. Louis (2005).

(Highly recommended) **Adler's Physiology of the Eye**, by Levin LA, Nilsson FE, Ver Hoeve, J, Wu S, Kaufman P, Alm A. Saunders (11th Edition), (2011).

(Highly recommended) **The Eye: Basic Sciences in Practice**, by Forrester JV, Dick AD, McMenamin PG, Roberts F. Saunders, London (2008).

Visual Perception: A Clinical Orientation, Third Edition. Schwartz S. McGraw-Hill, New York, 2004.

Atlas of Clinical Ophthalmology. Spalton DJ ed. Mosby, Philadelphia, 2005

Integrative Seminar I and II

No textbooks required