

Required/Optional Textbooks
Class of 2021- First Academic Year

Fall Semester

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 (2012)

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

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

**Suggested book*

Essential Neuroscience by Siegel and Sapru (Wolters Kluwer/Lippencott) 3rd Edition

Ocular Anatomy. Biochemistry & Phys.I

The Eye. Basic Sciences in Practice. 4th ed. Forrester JV, Dick AD, McMenamin PG, Roberts F, Pearlman E. Elsevier, Edinburgh, 2016.

Clinical Anatomy of the Visual System. 3rd ed. Remington LA. Butterworth-Heinemann, St. Louis, 2011.

The Eye. Basic Sciences in Practice. 4th ed. Forrester JV, Dick AD, McMenamin PG, Roberts F, Pearlman E. Elsevier, Edinburgh, 2016.

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

New York, 2004.

Adler's Physiology of the Eye. Levin LA, Nilsson, SFE, Ver Hoeve, J, Wu SM, eds.
Mosby, St. Louis, 2011.

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

Integrated Optics I

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

Optometric Theory I

No Required Text

Clinical Optometry I

No Required Text

Integrative Seminar I

No Required Text

Spring Semester

Human Bioscience II

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)

Ocular Anatomy, Biochemistry & Phys.II

Suggested Materials

**The Eye. Basic Sciences in Practice. 4th ed. Forrester JV, Dick AD,McMenamin PG,
Roberts F, Pearlman E. Elsevier, Edinburgh, 2016.**

Anatomy

Clinical Anatomy of the Visual System. 3rd ed. Remington LA. Butterworth-Heinemann, St.Louis, 2011.

Histology of the Human Eye. Hogan MJ, Alvarado JA, Weddell JE. Saunders, Philadelphia, 1971. Ocular Histology. Fine BS, Yanoff M. Harper & Row, New York, 1979.

Wolff's Anatomy of the Eye and Orbit. Bron AJ. Chapman & Hall, London, 1997. Ocular Anatomy, Embryology, and Teratology. Jakobiec FA, ed. Harper & Row, New York, 1982. The Human Eye: Structure and Function. Oyster CW. Sinauer Associates, Sunderland, MA, 1999.

Physiology and Biochemistry

The Eye. Basic Sciences in Practice. 4th ed. Forrester JV, Dick AD, McMennamin PG, Roberts F, Pearlman E. Elsevier, Edinburgh, 2016.

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

Adler's Physiology of the Eye. Levin LA, Nilsson, SFE, Ver Hoeve, J, Wu SM, eds. Mosby, St. Louis, 2011.

Physiology of the Eye. Davson H. Pergamon Press, New York, 1990. Biochemistry of the Eye. Berman ER. Plenum, New York, 1991.

Clinical

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

Clinical Ophthalmology: A systematic approach. Kanski, JJ. Butterworth-Heinemann, Edinburgh, 2007.

Integrated Optics II *Optional Texts*

Schwartz: Geometrical & Visual Optics (McGraw Hill)

Katz: Introduction to Geometrical Optics (World Scientific)

Pedrotti & Pedrotti.: Optics and Vision (Prentice Hall)

Pallikaris, Plainis & Charman: Presbyopia: Origins, Effects & Treatments (SLACK)

Johnsen: The Optics of Life (Princeton)

Visual Function: Sensory (Module A):

Schwartz, SH (2010). *Visual Perception: A Clinical Orientation (Fourth Edition)*. McGraw-Hill: New York.

Optometric Theory II
No Required Text

Clinical Optometry II
No Required Text

Integrative Seminar II
No Required Text