DEPARTMENT OF BIOLOGICAL SCIENCES
TEXTBOOK LIST
FALL 2010

*BIOL 11000
FUNDAMENTALS OF BIOLOGY I
Instructor: David H. Bos
Lab Coordinator: Mark Browning
Estimated Enrollment: 1332

Text: Biology with Connect Plus
Year/Edition: 2011/9th
ISBN Number: 0077403177
Author(s): Raven
Publisher: McGraw-Hill
Hardback

Note: "i>clicker" will be used, please purchase on line or at bookstores. Textbook is highly recommended, access to Connect Biology is required

Students can:

1. Purchase the textbook at any of the campus bookstores: University Bookstore or Folletts.
2. Purchase the textbook from an on-line source.
3. Purchase the e-book version (Connect Plus-online) through McGraw-Hill, which includes access to Connect Biology by using the following link: http://connect.mcgraw-hill.com/class/d_bos_fall_2010

Regardless of where or how students purchase the text, everyone is REQUIRED to have access to Connect Biology through McGraw-Hill.

Access to Connect Biology is:

1. Included in the purchase of the Connect Plus 9th edition textbook (Biology, Raven, et al.) A Registration Code is included in the textbook. (see link below to activate)
2. Included in the purchase of Connect Plus Online (e-book version) through McGraw-Hill. (see link below to purchase e-book version of the textbook)
3. Available for purchase if you purchased a 9th edition textbook and it is not the Connect Plus version (see link below to purchase)
4. Available for purchase on its own with NO textbook. (see link below to purchase)
Once connected to the site, click the “Register Now” button and follow the instructions to gain access. If you are choosing option 2, 3 or 4 from the list above, click the “Buy Online” button to access and select your Connect Biology purchase options.

**If students have purchased an earlier version of the Biology textbook (Raven, et al. 8th edition), they must still purchase access to Connect Biology (see Option #4) and are on their own in terms of reading assignments.

*BIOL 1100  
FUNDAMENTALS OF BIOLOGY II  
Instructor: Denise Zielinski  
Estimated Enrollment: 160

Text: Biology  
Year/Edition: 8th  
ISBN Number: 0073227390  
Author(s): Raven  
Publisher: McGraw-Hill  
Hardback

*BIOL 11200 (Biotechnology students only)  
FUNDAMENTALS OF BIOLOGY I  
Instructor: David H. Bos  
Lab Coordinator: Mark Browning  
Estimated Enrollment: --

Text: (see information above for BIOL 1100)

*BIOL 11300 (Biotechnology students only)  
FUNDAMENTALS OF BIOLOGY II  
Instructor: Denise Zielinski  
Estimated Enrollment: --

Text: Biology  
Year/Edition: 8th  
ISBN Number: 0073227390  
Author(s): Raven  
Publisher: McGraw-Hill  
Hardback
*BIOL 11500
BIOLOGY RESOURCE SEMINAR
Instructor: Dennis Minchella/Staff
Estimated Enrollment: 200

“There is no textbook required for this course, materials presented in class”

*BIOL 12100
BIOLOGY I: DIVERSITY, ECOLOGY, AND BEHAVIOR
Instructor: Dennis Minchella
Estimated Enrollment: 445

Textbook: Biological Science
Year/Edition: 3rd/2008 *(Will not use new edition)*
Author(s): Freeman, Scott
Publisher: Pearson

*BIOL 13500
FIRST YEAR BIOLOGY LABORATORY
Instructor: Laurie Iten
Lab Coordinator: Deborah Anderson
Estimated Enrollment: 136

Required Lab Manual: *Boot Camp for Biology Lab*, Laurie Iten

*BIOL 14600
INTRODUCTION TO BIOLOGY
Instructor: Denise Zielinski
Estimated Enrollment: 140

Textbook: Discover Biology (available as an ebook) (full version, DO NOT PURCHASE shorter version “the core topics”)
Year/Edition: 2009/4th
Author(s): Cain, M.L., Yoon, C.K. and Singh-Cundy, A.
ISBN:
Publisher: Wm. Norton, New York, N

*BIOL 19500
SPECIAL ASSIGNMENTS
Permission of Instructor Required

“There is no textbook required for this course”
BIOL 19500
CASPiE INTRODUCTORY LABORATORY
Instructor: Stephanie Gardner
Estimated Enrollment: 22

“There is no textbook required for this course. There will be a lab manual for this course~

*BIOL 19700
BIOLOGY FRESHMAN HONORS SEMINAR
Instructor: Richard Howard
Estimated Enrollment: 45

“There is no textbook required for this course~

*BIOL 20100
HUMAN ANATOMY AND PHYSIOLOGY
Instructor: C. David Bridges
Estimated Enrollment: 36

Required
Text 1: Lecture Notes
Year/Edition: 2010
Author(s): C.D. Bridges
Publisher: Hayden-McNeill

Recommended
Text 2: Coloring Guide to Anatomy & Physiology
Year/Edition: 1st/1995
ISBN Number: 978-0697171094
Author(s): J. A. and R. J. Stone, Wm C. Brown
Publisher: McGraw-Hill Science/Engineering/Math

Optional, not required
Text 3: Human Anatomy
Year/Edition: Any
ISBN Number:
Author(s): F. H. Martini, M. J. Timmons
Publisher: Prentice Hall

Note: "i>clicker" will be used, please purchase on line or at bookstores.

Further supplemental materials are NOT required or recommended for this course.
Bookstores should not present such material for student purchase.
*BIOL 20300
HUMAN ANATOMY AND PHYSIOLOGY
Instructor: C. David Bridges
Lab Coordinator: Stuart Michael
Estimated Enrollment: 720

Required
Text 1: Lecture Notes
Year/Edition: 2010
Author(s): C. D. Bridges
Publisher: Hayden-McNeill

Required
Text 2: Lab Manual
Year/Edition: 2010
ISBN Number: 978-0-7380-3771-4
Author(s): Stuart Michael, C. D. Bridges
Publisher: Hayden-McNeill

Required
Text 3: Di Fore’s Atlas of Histology with Functional Correlations
Year/Edition: 2007/11th or earlier
ISBN Number: 978-0781770572
Author(s): Victor P. Eroschenko
Publisher: Williams and Wilkins

Recommended
Text 4: Coloring Guide to Anatomy & Physiology
Year/Edition: 1st ed/1995
ISBN Number: 978- 0697171094
Author(s): J. A. and R. J. Stone
Publisher: McGraw-Hill Science/Engineering/Math

Recommended, particularly if student is taking a degree in one of the health professions
Text 5: Atlas of the Skeletal Muscles
Year/Edition: 6th /2008
ISBN Number: 978-0071283595
Author(s): R. J. and J.A. Stone
Publisher: McGraw-Hill Education (ISE Editions)

Optional, not required
Text 6: Human Anatomy
Year/Edition: Any
ISBN Number:
Author(s): F. H. Martini, M. J. Timmons
Publisher: Prentice Hall

**Note:** "i>clicker" will be used, please purchase on line or at bookstores.

Further supplemental materials are **NOT** required or recommended for this course. Bookstores should not present such material for student purchase.

**BIOL 20500**
**BIOLOGY FOR ELEMENTARY SCHOOL TEACHERS**
Instructor: David Eichinger
Lab Coordinator: Dan Harmeson
Estimated Enrollment: 250

Year/Edition: 2011
Author(s): Phelan, Jay
Publisher: W.H. Freeman

Lab Packet: Biology for Elementary School
Publisher: LAD Custom Publishing
**Note: The packet is only available for purchase at University Bookstore.**

**BIOL 22100**
**INTRODUCTION TO MICROBIOLOGY**
Instructor: Thomas Walter
Lab Coordinator: Iris Sun
Estimated Enrollment: 230

Text:  Textbook options will be discussed during the first day of class. **Note:** "i>clicker" will be used, please purchase on line or at bookstores.

Lab Manual: Introduction to Microbiology
Year/Edition: 2010
ISBN Number: 978-1-59984-199-1
Author(s): Iris Sun
Publisher: Blue Door Publishing

**BIOL 23000**
**THE BIOLOGY OF THE LIVING CELL**
Instructor: Edward Bartlett
Estimated Enrollment: 300

Text:  Cell and Molecular Biology
Recommended

*BIOL 23100
BIOL III: CELL STRUCTURE AND FUNCTION
Instructor: Peter Hollenbeck
Estimated Enrollment: 445

Text: Essential Cell Biology
Year/Edition: 3rd
ISBN Number:
Author(s): Alberts, Bray, Hopkin, Johnson, Lewis, Raff, Roberts, Walter
Publisher: Garland Science Press

Required

*BIOL 23200
LABORATORY BIOL III: CELL STRUCTURE AND FUNCTION
Instructor: John Anderson
Lab Coordinator: Deborah Anderson
Estimated Enrollment: 400

Text: A Laboratory Course in Cell and Molecular Biology
Year/Edition: 2010 - Diagrams & Class Notes
Author(s): J.N. Anderson

Required

May be purchased at Boiler Copy Center

*BIOL 29400
BIOLOGY RESEARCH
Permission of Department required

"There is no textbook required for this course~"

*BIOL 29500
SPECIAL ASSIGNMENTS
Permission of Instructor required

"There is no textbook required for this course~"
*BIOL 29500
EVOLUTION & ECOLOGY
Instructor: Peter Waddell
Estimated Enrollment: 30

Textbook: Evolution
Year/Edition: 2009/2nd
ISBN Number:
Author(s): Futuyma, Douglas J.
Publisher: Sinauer Associates

*BIOL 29500
TEACHING BIOLOGY
Instructor: Susan Karcher
Estimated Enrollment: 60

“There is no textbook required for this course~

*BIOL 30100
HUMAN DESIGN: ANATOMY AND PHYSIOLOGY I
Instructor: Rupa De
Lab Coordinator: Brent Branstetter
Estimated Enrollment: 360

Text: Principles of Anatomy and Physiology
Year/Edition: 2008/12th
ISBN Number: 9780470889589 (textbook and lab manual packaged together)
Author(s): Tortora and Derrickson
Publisher: Wiley & Sons

Text: Human Anatomy and Physiology Lab Manual
Year/Edition: 2009-2010
ISBN Number: 9780470889572 (lab manual only)
Author(s): Sandra Grabowski
Publisher: Wiley & Sons

*BIOL 39500
SPECIAL ASSIGNMENTS
Permission of Instructor required

“There is no textbook required for this course~

*BIOL 39500
MACROMOLECULES
Instructors: Dinesh Yernool/Wen Jiang/Clark Gedney

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Estimated Enrollment: 40

"There is no textbook required for this course- Lecture Notes from Instructors~

*BIOL 39500
HOUSEHOLD BIOLOGY & CHEMISTRY
Instructor: Alan Friedman
Estimated Enrollment: 30

Text: Chemistry in The Home (Paperback)
Year/Edition:
ISBN Number:
Author(s): Henry T. Weed
Publisher:
Required-may be purchased at amazon.com

BIOL 39500
GREAT ISSUES IN GENETIC BIOLOGY (COURSE CANCELLED)
Instructor: TBD
Estimated Enrollment: 30

BIOL 41500
INTRODUCTION TO MOLECULAR BIOLOGY
Instructor: Stephen Konieczny
Estimated Enrollment: 50

Text: Lewin’s Essential Genes
Year/Edition: 2010/2nd
ISBN Number: 9780763794507
Author(s): J. Krebs, et al
Publisher: Jones & Bartlett

*BIOL 42000
EUKARYOTIC CELL BIOLOGY
Instructor: Claudio Aguilar
Estimated Enrollment: 50

Text: Molecular Cell Biology
Year/Edition: 6th
ISBN Number:
Author(s): Lodish, et al
Publisher: W. H. Freeman & Co.
*BIOL 43200
REPRODUCTIVE PHYSIOLOGY
Instructor: Ignacio Camarillo
Estimated Enrollment: 50

Text: Essential Reproduction
Year/Edition: 2007/6th
ISBN Number: 978-1-4051-1866-8
Author(s): Johnson, M. H.
Publisher: Blackwell Science
Required/Paperback

*BIOL 43600
NEUROBIOLOGY
Instructors: Daniel Suter and Arthur Rosen
Estimated Enrollment: 84

Text: From Neuron to Brain
Year/Edition: 2001/4th
ISBN Number: 0-87893-439-1
Author(s): Nicholls, Martin, Wallace and Fuchs
Publisher: Sinauer
Required/Hardback

*BIOL 43800
GENERAL MICROBIOLOGY
Instructors: Louis Sherman/Bruce Applegate/Laszlo Csonka
Estimated Enrollment: 130

Text: Prescott’s Microbiology *bound in Connect + Access Card*
Year/Edition: 8th
ISBN: 0077473345  9780077473341
Author(s): Willey, Sherwood & Woolverton
Publisher: McGraw-Hill

Text: Prescott’s Microbiology *Connect + Standalone Access Card*
Year/Edition: 8th
ISBN: 007747287X  9780077472870
Author(s): Willey, Sherwood & Woolverton
Publisher: McGraw-Hill

*BIOL 43900
LABORATORY IN GENERAL MICROBIOLOGY
Instructor: Thomas Walter
Estimated Enrollment: 44

~Lab Manual available for purchase at CopyMat/Chauncey Hill Mall ~

*BIOL 44400
HUMAN GENETICS
Instructor: Susan Karcher
Estimated Enrollment: 49

Text: Thompson & Thompson Genetics in Medicine
Year/Edition: 7th Edition (or most recent edition)-With Student Consult Online Access
ISBN Number:
Author(s): Nussbaum, et al
Publisher: Elsevier

*BIOL 44800
MULTIDISCIPLINARY DESIGN OF SYSTEMS & DEVICES FOR PHYSIOLOGY MEASUREMENTS
Instructor: Nancy Pelaez
Estimated Enrollment: 20

While not required, a recommended physiology text for reference is:
Text: Medical Physiology
Year/Edition: 2005
ISBN:
Author(s): Boron, W.F. and Boulpaep, E.L.
Publisher: Elsevier Inc.

Other handouts and materials will be provided.

BIOL 47800
INTRODUCTION TO BIOINFORMATICS
Instructor: Michael Gribskov
Estimated Enrollment: 17

Text: Understanding Bioinformatics
Year/Edition:
ISBN Number:
Author(s): Marketa Zvelebil and Jeremy Baum
Publisher: Garland Science
Paperback

BIOL 49300/PSY 49400
INTRODUCTION TO ETHOLOGY
Instructor: Jacqueline Emmerton
Estimated Enrollment: 40

Text: Perspectives on Animal Behavior
Year/Edition: 2010/3rd
ISBN Number: 
Author(s): Goodenough, J., McGuire, B., and Jakob, E.
Publisher: Wiley

*BIOL 49400
BIOLOGY RESEARCH
Permission of Department required

~There is no textbook required for this course~

*BIOL 49500
SPECIAL ASSIGNMENTS
Permission of Instructor required

~There is no textbook required for this course~

*BIOL 49500 (COURSE CANCELLED)
HUMAN EVOLUTION FROM A GENOMIC PERSPECTIVE
Instructor: Peter Waddell
Estimated Enrollment: 30

Text: Human Evolution: A very short introduction
Year/Edition: 2005
Author(s): Wood, B.
Publisher: Oxford University Press, Oxford

Text: Before the dawn: Recovering the lost history of our ancestors.
Year/Edition: 2006
Author(s): Wade, N.
Publisher: Penguin Books, New York
Hardcover or Paperback


*BIOL 49800
BIOLOGY TEACHING
Permission of Instructor required

~There is no textbook required for this course~

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*BIOL 49900
BIOLOGY HONORS THESIS RESEARCH
Permission of Department required

"There is no textbook required for this course~"

*BIOL 50000
INTRODUCTORY MODULE: PROTEIN EXPRESSION
Instructor(s): Daniel Szeto and Susan Karcher
Estimated Enrollment: 40

~-Lab Manual available to download from BlackBoard. ~.

*BIOL 53300
MEDICAL MICROBIOLOGY
Instructor: Barry Wanner
Estimated Enrollment: 25

"There is no textbook required for this course~"

*BIOL 54100
MOLECULAR GENETICS OF BACTERIA
Instructor: Laszlo Csonka
Estimated Enrollment: 20

Text: Molecular Genetics of Bacteria
Year/Edition: 3rd
ISBN Number: 1555813992
Author(s): Larry Snyder and Wendy Champness
Publisher: ASM Press Washington DC

*BIOL 54200
BACTERIAL GENETICS LABORATORY
Instructor: Barry Wanner
Estimated Enrollment: 15

"There is no textbook required. Materials will be provided via a wiki and internet ~

*BIOL 54200
INTRODUCTION TO LABVIEW
Instructor: Clark Gedney
Estimated Enrollment: 8
~There is no textbook required for this course/lab manual provided~

*BIOL 54200
LABORATORY IN NEUROPHYSIOLOGY
Instructors: Stephanie Gardner and Donald Ready
Estimated Enrollment: 16

~There is no textbook required for this course/lab manual provided~

*BIOL 54200
PROTEIN STRUCTURE LABORATORY
Instructor: Clark Gedney
Estimated Enrollment: 12

Text: Protein Structure & Function
Year/Edition: 2004
ISBN: 0-87893-663-7
Author(s): Gregory Petsko & Dagmar Ringe
Publisher: New Science Press

*BIOL 54200
DNA SEQUENCING LAB
Instructor: Arnold Stein
Estimated Enrollment: 14

~There is no textbook required for this course/lab manual provided~

*BIOL 54200
INTRODUCTION TO DNA SEQUENCES
Instructor: Peter Waddell
Estimated Enrollment: 15

~There is no textbook required (guidelines provided)~

*BIOL 54200
EXPLORING THE LIVING CELL
Instructor: Yukiko Mizukami
Estimated Enrollment: 6

~There is no textbook required for this course/lab manual provided~
*BIOL 55900  
ENDOCRINOLOGY  
Instructor: John Anderson  
Estimated Enrollment: 89

~Class Notes; Endocrinology -BIOL 55900; Fall 2008~

*BIOL 57300  
MOLECULAR BIOLOGY OF ANIMAL CELLS  
Instructor: Arnold Stein  
Estimated Enrollment: 50

~There is no textbook required for this course~

*BIOL 58500  
ECOLOGY  
Instructors: Richard Howard and Nancy Emery  
Estimated Enrollment: 44

Text: Elements of Ecology  
Year/Edition: 2009  
10: 0-321-55957-6  
Author(s): Smith, T.M. and R. L. Smith  
Publisher: Benjamin Cummings  
Paperback - This text is recommended, not required

BIOL 59100  
FIELD ECOLOGY  
Instructors: Kerry Rabenold and Nancy Emery  
Estimated Enrollment: 20

Text: Essentials of Ecology  
Year/Edition: 3rd  
Author(s): Townsend, Begon, Harper  
Publisher: Blackwell

Text: 101 Trees of Indiana  
Year/Edition: 2004  
ISBN Number: 253-21694-x  
Author(s): Marion T. Jackson  
Publisher: Indiana University Press
*BIOL 59500
SPECIAL ASSIGNMENTS
Consent of Instructor Required
Estimated Enrollment: --

"There is no textbook required for this course~"
*every student should also have a set of colored pencils, the bookstores should put those all together.

*biol 59500
methods & measurements in physical biochemistry
instructor: cynthia stauffacher
estimated enrollment: 28

text: principles of physical biochemistry
isbn
author(s): k.e. vanholde, w.c. johnson and p.s. ho
publisher: prentice hall

*biol 59500
animal communication
instructor: jeffrey lucas
estimated enrollment: 20

text: principles of animal communication
isbn number: 0-87893-100-7
author(s): bradbury, j. w.; vehrencamp, s. l.
publisher: sinauer
required/hardback or paperback

*biol 59500
ecological statistics
instructor: esteban fernandez-juricic
estimated enrollment: 20

text: experiments in ecology: their logical design and interpretation using analysis of variance
year/edition: 1997
isbn number:
author(s): underwood, a.j.
publisher: cambridge university press

*biol 59500
understanding breast cancer
instructor: julia kirshner
estimated enrollment: 20

"there is no textbook required for this course~"
*BIOL 59500/EAS 59100  
INTEGRATED SCIENCE & NATIVE AMERICAN CULTURE  
Instructors: Kerry Rabenold; Kenneth Ridgway (EAS)  
Estimated Enrollment: 15  

~There is no textbook required for this course~

*BIOL 59500/CNIT 55800  
BIOINFORMATICS COMPUTING & SYSTEMS INTEGRATION  
Instructor: Michael D. Kane (CNIT)  
Estimated Enrollment: 20  

~There is no textbook required for this course~

*BIOL60000/BCHM 66400 (COURSE CANCELLED)  
BIOENERGETICS  
Instructor: William Cramer  
Estimated Enrollment: 20  

~There is no textbook required for this course~

*BIOL 61100  
CRYSTALLOGRAPHY OF MACROMOLECULES  
Instructor: Michael Rossmann  
Estimated Enrollment: 8  

~There is no textbook required for this course~

*BIOL 65200  
ADVANCED ECOLOGY DISC  
Instructor: Kerry Rabenold, Course Director  
Estimated Enrollment: 10  

~There is no textbook required for this course~

*BIOL 66200  
SEMINAR METHODS PROFESSIONAL DEVELOPMENT I  
Instructor: Morris Levy  
Estimated Enrollment: 40  

~There is no textbook required for this course~
*BIOL 69100
BIOLOGICAL RESEARCH METHODS
Permission of Department required

~There is no textbook required for this course~

*BIOL 69500
SPECIAL ASSIGNMENTS
Permission of Instructor required.

~There is no textbook required for this course~

*BIOL 69500
CELLULAR NEUROBIOLOGY
Instructor: Donna Fekete
Estimated Enrollment: 30

Textbook: The Neuron: Cell and Molecular Biology
Year/Edition: 3rd edition
ISBN Number:
Author(s): Irwin B. Levitan and Leonard K. Kaczmarek
Publisher: Oxford University Press

Required textbook

*BIOL 69500
TECHNIQUES IN MOLECULAR BIOLOGY
Instructor: Stanton Gelvin
Estimated Enrollment: 45

~There is no textbook required for this course~

*BIOL 69500
CURRENT TOPICS IN CANCER
Instructor: Julia Kirshner
Estimated Enrollment: 15

~There is no textbook required for this course~

*BIOL 69500/BIOL 69600/PSY 63300
SPECIAL LECTURES IN NEUROSCIENCE
Instructor: Kevin Otto
Estimated Enrollment: 15
~There is no textbook required for this course~

*BIOL 69500/EDPS 59100
NATURE OF SCIENTIFIC DISCOVERY DISCUSSION  – *(COURSE CANCELLED)*
Instructor: Nancy Pelaez
Estimated Enrollment: 15

~There is no textbook required for this course~

*BIOL 69500
STRUCTURAL BIOLOGY SEMINAR
Instructor: Alan Friedman
Estimated Enrollment: 15

~There is no textbook required for this course~

*BIOL 69600
SEMINAR STRUCTURAL BIOLOGY & BIOPHYSICS
Instructor: Carol Post
Estimated Enrollment: 12

~There is no textbook required for this course~

*BIOL 69600
SEMINAR ECOLOGY & POPULATION BIOLOGY
Instructor: Kerry Rabenold
Estimated Enrollment: 20

~There is no textbook required for this course~

*BIOL 69600
FOUNDATIONS OF MICROBIAL PATHOGENESIS
Instructor: Erik Barton
Estimated Enrollment: 14

~There is no textbook required for this course~

BIOL 69600/BIOL 69500/PSY 63300
SEMINAR NEUROBIOLOGY
Instructor: Kevin Otto
Estimated Enrollment: 15

~There is no textbook required for this course~
*BIOL 69800
RESEARCH MS THESIS

~There is no textbook required for this course~

*BIOL 69900
RESEARCH PHD THESIS

~There is no textbook required for this course~