DEPARTMENT OF BIOLOGICAL SCIENCES
TEXTBOOK LIST
SPRING 2010

*BIOL 11000 (CRN 11967-11996; 35347)
FUNDAMENTALS OF BIOLOGY I
Instructor: Alan Friedman
Lab Coordinator: Mark Browning
Estimated Enrollment: 364
Text: Biology
Year/Edition: 8th
ISBN Number: 0073227390
Author(s): Raven, Johnson, Losos, Mason, Singer
Publisher: McGraw-Hill
Hardback

*BIOL 11100 (CRN 11997-12075)
FUNDAMENTALS OF BIOLOGY II
Instructor: David H. Bos
Lab Coordinator: Mark Browning
Estimated Enrollment: 886
Text: Biology
Year/Edition: 8th
ISBN Number: 0073227390
Author(s): Raven, Johnson, Losos, Mason, Singer
Publisher: McGraw-Hill
Hardback

*BIOL 11200 (CRN 38220)
FUNDAMENTALS OF BIOLOGY I
Instructor: Alan Friedman
Lab Coordinator: Mark Browning
Estimated Enrollment: (Biotechnology students only)
Text: Biology
Year/Edition: 8th
ISBN Number: 0073227390
Author(s): Raven, Johnson, Losos, Mason, Singer
*BIOL 11300 (CRN 38221-38222)
FUNDAMENTALS OF BIOLOGY II
Instructor: David H. Bos
Lab Coordinator: Mark Browning
Estimated Enrollment: (Biotechnology students only)

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

*BIOL 13100 (CRN 12078)
BIOLOGY II: DEVELOPMENT, STRUCTURE, AND FUNCTION OF ORGANISMS
Instructor: Nancy Pelaez
Estimated Enrollment: 430

Text: Biological Science
Year/Edition: 3rd/2008
Author(s): Freeman, Scott
Publisher: Pearson

*BIOL 13500 (CRN 38350-38359)
FIRST YEAR BIOLOGY LABORATORY
Instructor: Laurie Iten
Lab Coordinator: Deborah Anderson
Estimated Enrollment: 170

Textbook: ~No textbook required for this course. Self-written and self-published lab manual required~—sold through University Bookstores~

BIOL 14700 (CRN 38227; 38346-38348)
INS & OUTS/HUMAN BODY
Instructor: Denise Zielinski
Estimated Enrollment: 50
Text: Discover Biology (available as an ebook) (will use full version, DO NOT PURCHASE shorter version "the core topics")
Year/Edition: 2009/4th
Author(s): Cain, M.L. and Yoon, C.K.
ISBN: 
Publisher: Wm. Norton, New York, NY

*BIOL 19500
SPECIAL ASSIGNMENTS
Instructor: Various
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~

*BIOL 19500 (CRN 38479; 38750)
CASPiE INTRODUCTORY LABORATORY
Instructor: Stephanie Gardner
Estimated Enrollment: 22

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

*BIOL 19500 (CRN 40226)
FUNGI INVESTIGATIONS BIOLOGY 13100
(Meets weeks 7-13 Feb 22-Apr 18)
Instructor: Nancy Pelaez
Estimated Enrollment: 25

Textbook: ~There is no textbook required for this course~

*BIOL 19500 (CRN 40227)
INVESTIGATIONS BIOLOGY 13100
(Meets weeks 7-13 Feb 22-Apr 18)
Instructor: Nancy Pelaez
Estimated Enrollment: 25

Textbook: ~There is no textbook required for this course~
*BIOL 19500 (CRN 40228)  
EVOLUTION INVESTIGATIONS BIOLOGY 13100  
(Meets weeks 7-13 Feb 22-Apr 18)  
Instructor: Nancy Pelaez  
Estimated Enrollment: 25  

Textbook: "There is no textbook required for this course"  

*BIOL 19500 (CRN 40229)  
MEDICAL INVESTIGATIONS BIOLOGY 13100  
(Meets weeks 7-13 Feb 22-Apr 18)  
Instructor: Nancy Pelaez  
Estimated Enrollment: 25  

Textbook: "There is no textbook required for this course"  

*BIOL 20200 (CRN 12094 and 12095)  
(Meets w/BIOL 20400 Lectures)  
HUMAN ANATOMY AND PHYSIOLOGY  
Instructor: C. David Bridges  
Estimated Enrollment: 20  

Text 1: Biology 20200/20400 Lecture Notes (New Edition - Required)  
Year/Edition: Spring 2010  
ISBN Number: 978-0-7380-3673-1  
Author(s): CDB Bridges  
Publisher: Hayden-McNeil  

Text 2: Human Anatomy (Same - Recommended - Optional)  
Year/Edition: all editions are acceptable  
ISBN Number:  
Author(s): Martini & Timmons  
Publisher: Prentice Hall  

Text 3: Coloring Guide to Anatomy & Physiology (Same- Recommended - Optional)  
Year/Edition: latest  
ISBN Number:  
Author(s): J.A. and R.J. Stone  
Publisher: Wm. C. Brown  

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

*BIOL 20400 (CRN 12096-12123)
HUMAN ANATOMY AND PHYSIOLOGY
Instructor: C. David Bridges
Lab Coordinator: Stuart Michael
Estimated Enrollment: 580

Text 1: Biology 20200/20400 Lecture Notes (New Edition - Required)
Year/Edition: Spring 2010
ISBN Number: 978-0-7380-3673-1
Author(s): CDB Bridges
Publisher: Hayden-McNeil

Text 2: BIOL 20400 - Laboratory Manual (New Edition - Required for BIOL 20400 only)
Year/Edition: Spring 2010
ISBN Number: 978-0-7380-3672-4
Author(s): CDB Bridges and S Michael
Publisher: Hayden-McNeil

Text 3: Di Fiore’s Atlas of Histology with functional correlations (Required for BIOL 20300 and 20400)
Year/Edition: 2007/11th or earlier
ISBN Number: 978-0-7817-7057-6
Author(s): Victor P. Eroschenko
Publisher: Williams and Wilkins

Text 4: Human Anatomy (Same - Recommended - Optional)
Year/Edition: all editions are acceptable
ISBN Number:
Author(s): Martini & Timmons
Publisher: Prentice Hall

Text 5: Coloring Guide to Anatomy & Physiology (Same - Recommended - Optional)
Year/Edition: latest
ISBN Number:
Author(s): J.A. and R.J. Stone
Publisher: Wm. C. Brown

Further supplemental materials are NOT required or recommended for this course.
Bookstores should not present such material for student purchase.
*BIOL 20400 (CRN 12096-12097; 12126; 12127)

Nursing Learning Community Only

HUMAN ANATOMY AND PHYSIOLOGY
Instructor: C. David Bridges
Lab Coordinator: Stuart Michael
Estimated Enrollment: 20

Text 1: Biology 20200/20400 Lecture Notes (New Edition - Required)
Year/Edition: Spring 2010
ISBN Number: 978-0-7380-3673-1
Author(s): CDB Bridges
Publisher: Hayden-McNeil

Text 2: BIOL 20400 - Laboratory Manual (New Edition - Required for BIOL 20400 only)
Year/Edition: Spring 2010
ISBN Number: 978-0-7380-3672-4
Author(s): CDB Bridges and S Michael
Publisher: Hayden-McNeil

Text 3: Di Fiore’s Atlas of Histology with functional correlations (Required for BIOL 20300 and 20400)
Year/Edition: 2007/11th or earlier
ISBN Number: 978-0-7817-7057-6
Author(s): Victor P. Eroschenko
Publisher: Williams and Wilkins

Text 4: Human Anatomy (Same - Recommended - Optional)
Year/Edition: all editions are acceptable
ISBN Number:
Author(s): Martini & Timmons
Publisher: Prentice Hall

Text 5: Coloring Guide to Anatomy & Physiology (Same- Recommended - Optional)
Year/Edition: latest
ISBN Number:
Author(s): J.A. and R.J. Stone
Publisher: Wm. C. Brown

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

*BIOL 20600 (CRN 12128- 12138)
BIOLOGY FOR ELEMENTARY SCHOOL TEACHERS
Instructor:  David Eichinger
Lab Coordinator:  Daniel Harmeson
Estimated Enrollment:  250

Text 1:  Asking about Life (Required)
Year/Edition:  2005 - 3rd
ISBN Number:  0-534-40653-X
Author(s):  Tobin and Dusheck
Publisher:  Thomson Brooks/Cole

Text 2:  The Cartoon Guide to Genetics (Optional)
Year/Edition:  1991-Updated
ISBN Number:  0-06-273099-1
Author(s):  Gonick and Wheelis
Publisher:  Harper Perennial

Text 3:  BIOL 20600 - Biology for Elementary School Teachers
Publisher:  LAD Custom Publishing
Note: The packet is only available for purchase at University Bookstore.

*BIOL 22100 (CRN 12142- 12157)
Introduction to Microbiology
Instructor:  Thomas Walter
Lab Coordinator:  Iris Sun
Estimated Enrollment:  420

Textbook options will be discussed during the first day of class

i-clicker (ISBN:  0-716779390)

Lab Manual:  Introduction to Microbiology
Year/Edition:  2008-2009
Author(s):  Iris Sun
Publisher:  Cache House Publishing

*BIOL 24100 (CRN 38228)
BIOLOGY IV: GENETICS & MOLECULAR BIOLOGY
Instructor:  Henry Chang
Estimated Enrollment:  325
Text: Genetics: A Conceptual Approach  
Year/Edition: 3rd  
ISBN:  
Author(s): Benjamin A. Pierce  
Publisher: W. H. Freeman & Co.

BIOL 2420000 (CRN 38229-38246)  
BIOLOGY IV: LABORATORY IN GENETICS & MOLECULAR BIOLOGY  
Instructor: Susan Karcher  
Lab Coordinator: Deborah Anderson  
Estimated Enrollment: 256  

Textbook: ~Lab Manual may be purchased at University Bookstore only~

BIOL 28600 (CRN 12173)  
INTRODUCTION TO ECOLOGY AND EVOLUTION  
Instructors: Jeffrey Dukes and Krista Nichols  
Estimated Enrollment: 160  

Text: The Economy of Nature  
Year/Edition: 2010 or last edition  
ISBN:  
Author(s): Ricklefs, R.E.  
Publisher: WH Freeman

*BIOL 29300 (CRN 33606 and 33675)  
PLANNING YOUR FUTURE IN BIOLOGY  
Instructors: Richard Kuhn and Kathleen Weller  
Estimated Enrollment: 55

Textbook: *There is no textbook required for this course*

*BIOL 29400  
(For Freshman and Sophomores)  
BIOLOGY RESEARCH  
Instructors: Various  
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~
*BIOL 29500
SPECIAL ASSIGNMENTS
Instructor: Various
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~

*BIOL 30200 (CRN 12196- 12211)
HUMAN DESIGN: ANATOMY AND PHYSIOLOGY II
Instructor: Rupa De
Lab Coordinator: Brent Branstetter
Estimated Enrollment: 359

*Text: Principles of Anatomy and Physiology
Year/Edition: 2008/12th
ISBN Number: 9780470429860
Author(s): Tortora and Derrickson
Publisher: Wiley & Sons

*Text: Human Anatomy and Physiology Lab Manual
Year/Edition: 2008-2009
ISBN Number: 9780470422229
Author(s): Sandra Grabowski
Publisher: Wiley & Sons

Lab Manual should be packaged separately

*BIOL 39300 (CRN 33607)
PREPARING FOR YOUR FUTURE IN BIOLOGY
Instructors: Cynthia Stauffacher and Jeremy Hale
Estimated Enrollment: 55

Textbook: ~There is no textbook required for this course~

*BIOL 39500
SPECIAL ASSIGNMENTS
Instructor: Various
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~
*BIOL 39500 (CRN 33626; 33630; 33632)
PRINCIPLES OF PHYSIOLOGY
Instructor: Stephanie Gardner
Estimated Enrollment: 30

Text: Animal Physiology (suggested)
Year/Edition: 2nd
ISBN: 978-0-87893-317-4
Author(s): Hill, Wyse & Anderson

*BIOL 39500 (CRN - 12235; 12237; 41955)
PRINCIPLES OF DEVELOPMENT
Instructors: Yukiko Mizukami and Fai Leung
Estimated Enrollment: 30

Text: Principles of Developmental Biology
Year/Edition:
ISBN: 0-393-97430-8
Author(s): Fred P. Wilt & Sarah Hake
Publisher: W.W. Norton & Company, Ltd.

BIOL 39500 (CRN 40236)
GREAT ISSUES IN GENETIC BIOLOGY
Instructor: Barry Wanner
Estimated Enrollment: 20

Textbook: Decision Pending

*BIOL 39600 (CRN 12238)
PREMED PLANNING SEMINAR
Instructor: Amy Terstreip
Estimated Enrollment: 55

Textbook: ~There is no textbook required for this course~

BIOL 41600 (CRN 12244)
VIRUSES AND VIRAL DISEASE
Instructor: Erik Barton
Estimated Enrollment: 70
Textbook: ~There is no textbook required for this course~

*BIOL 48100 (CRN 12245)
EUKARYOTIC GENETICS
Instructor: Maureen McCann
Estimated Enrollment: 40
Text: Genetics: Analysis of Genes and Genomes
Year/Edition: 7th
ISBN:
Author(s): Hartl, D. and Jones, E.
Publisher: Jones and Bartlett Publishers, Inc.

*BIOL 49400
(For Juniors and Seniors)
BIOLOGY RESEARCH
Instructors: Various
Estimated Enrollment: Unlimited
Textbook: ~This is a special assignment course, no textbook required~

*BIOL 49500
SPECIAL ASSIGNMENTS
Instructor: Various
Estimated Enrollment: Unlimited
Textbook: ~This is a special assignment course, no textbook required~

*BIOL 49700 (CRN 12271)
BIOLOGY HONORS SEMINAR
Instructor: Richard Howard
Estimated Enrollment: 40
Textbook: ~There is no textbook required for this course~

*BIOL 49800
(For Juniors and Seniors)
BIOLOGY TEACHING
Instructors: Various
Estimated Enrollment: Unlimited
*BIOL 49900  
*(For Juniors and Seniors)*  
BIOLOGY HONORS THESIS RESEARCH  
Instructors: Various  
Estimated Enrollment: Unlimited  

Textbook: ~This is a special assignment course, no textbook required~

*BIOL 50000 (CRN 12297)  
*(Wks 6-10 Feb 15-Mar 28)*  
ANIMAL PHYSIOLOGY  
Instructor: Elwood Walls  
Estimated Enrollment: 16  

Textbook: ~No textbook required / Lab Manual provided~

*BIOL 50000 (CRN 12299-12301)  
*(Wks. 1-5 Jan 11-Feb 14)*  
INTRODUCTORY MODULE: PROTEIN EXPRESSION  
Instructor: Zhiqing Wang  
Estimated Enrollment: 40  

Textbook: ~No textbook required / Lab Manual available on BlackBoard~

BIOL 51100 (CRN 12302)  
INTRODUCTION TO X-RAY CRYSTALLOGRAPHY  
Instructor: Jeffrey Bolin  
Estimated Enrollment: 25  

Textbook: *Decision pending*

*BIOL 51600 (CRN 12303)  
MOLECULAR BIOLOGY OF CANCER  
Instructor: Elizabeth Taparowsky  
Estimated Enrollment: 60
Textbook: ~There is no textbook required for this course~

*BIOL 51700 (CRN 12304)
MOLECULAR BIOLOGY: PROTEINS
Instructor: David Sanders
Estimated Enrollment: 25

Text: Protein Structure and Function
Year/Edition:
ISBN Number: 0-87893-663-7
Author(s): Petsko and Ringe
Publisher: New Science Press/Sinauer

*BIOL 52900 (CRN 12305)
BACTERIAL PHYSIOLOGY
Instructors: Louis Sherman and Thomas Walter
Estimated Enrollment: 30

Text 1: The Physiology and Biochemistry of Prokaryotes
Year/Edition: 2007-3rd
ISBN Number: 978-0-19-530168-7
Author(s): White, David
Publisher: Oxford University Press

*BIOL 53800 (CRN 12306)
MOLECULAR, CELLULAR AND DEVELOPMENTAL NEUROBIOLOGY
Instructor: Donald Ready
Estimated Enrollment: 30

Textbook: ~There is no textbook required for this course~

*BIOL 53700 (CRN 38297)
IMMUNOBIOLOGY
Instructor: Julia Kirshner
Estimated Enrollment: 50

Text: Janeway's Immunobiology
Year/Edition: 7th
ISBN:
Author(s): Kenneth M. Murphy, Paul Travers, Mark Walport
Publisher: Garland Science

*BIOL 54200 (CRN 12307)  
(Wks. 11-15 Mar 29-May 2)  
LABORATORY IN ANATOMY AND PHYSIOLOGY  
Instructor: Rupa De  
Estimated Enrollment: 12  
Textbook: ~No textbook required / Lab Manual provided~

*BIOL 54200 (CRN 12308)  
(Wks 6-10 Feb 15-Mar 28)  
INTRO TO LABVIEW  
Instructor: Clark Gedney  
Estimated Enrollment: 8  
Textbook: ~No textbook required / Lab Manual provided~

*BIOL 54200 (CRN 12309)  
(Wks. 11-15 Mar 29-May 2)  
MICROSCOPY AND CELL BIOLOGY  
Instructors: Daniel Suter and Donna Fekete  
Estimated Enrollment: 8  
Textbook: ~There is no textbook required for this course~

BIOL 54200 (CRN 12311)  
(Wks 11-15 Mar 29-May 2)  
EXPLORATION OF PROTEIN STRUCTURE  
Instructor: Clark Gedney  
Estimated Enrollment: 15  
Text: Protein Structure and Function  
Year/Edition: 2004  
ISBN:  
Author(s): Petsko, Gregory A. and Ringe, Dagmar  
Publisher: Sinauer  
Note: This textbook should be purchased on the 10th week of the semester (Wk of Mar 22)
*BIOL 54200 (CRN 12312 and 12313)  
(Wks 6-10 Feb 1-Mar 28)  
CHROMATIN STRUCTURE  
Instructor: Arnold Stein  
Estimated Enrollment: 16  

Textbook: ~No textbook required / Lab Manual provided~

*BIOL 54200 (CRN 33639 and 33641)  
(Wks 11-15 Mar 29-May 2)  
MICROBIAL PATHOGENESIS  
Instructor: Zhao-Qing Luo  
Estimated Enrollment: 12  

Textbook: ~No textbook required / Lab Manual will be available for purchase~

*BIOL 54900 (CRN 38684)  
MICROBIAL ECOLOGY  
Instructor: Bruce Applegate  
Estimated Enrollment: 20  

Textbook: ~There is no textbook required for this course~

*BIOL 55000 (CRN 38685)  
PLANT MOLECULAR BIOLOGY  
Instructor: Stanton Gelvin  
Estimated Enrollment: 30  

Textbook: ~There is no textbook required for this course. Students read four to eight primary literature papers/week. Emphasis is on understanding concepts in laboratory situations~

*BIOL 56200 (CRN 12316)  
(Meets w/ PSY 51200)  
NEURAL SYSTEMS  
Instructors: Christie Sahley and Julia Chester  
Estimated Enrollment: 60  

Text 1: Neuroscience
*BIOL 58000 (CRN 38299)
EVOLUTION
Instructor: Morris Levy
Estimated Enrollment: 50

Text: Evolution
Year/Edition: 2009/2nd
ISBN:
Author(s): Futuyma
Publisher: Sinauer Associates, Inc.
Required

*BIOL 59200 (CRN 12318)
EVOLUTION OF BEHAVIOR
Instructor: Peter Waser
Estimated Enrollment: 52

Text: Animal Behaviour
Year/Edition: 8th (do not use 9th edition)
Author(s): Alcock, John
ISBN Number:
Publisher: Sinauer

*BIOL 59500
SPECIAL ASSIGNMENTS
Instructor: Various
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~

*BIOL 59500 (CRN 12323)
(Meets w/ CS 59000)
PROTEIN BIOINFORMATICS
Instructor: Daisuke Kihara
Estimated Enrollment: 15

Text 1: Protein Bioinformatics
Year/Edition: 2004
ISBN Number: 0-470-84839-1
Author(s): Eidhammer, Jonassen, Taylor
Publisher: Wiley

Text 2: Biological Sequence Analysis
Year/Edition:
ISBN Number: 0-521-62971-3
Author(s): Durbin, Eddy, Krogh, Mithison
Publisher: Cambridge

*BIOL 59500 (CRN 12329)
PRACTICAL BIOCOMPUTING
Instructor: Michael Gribskov
Estimated Enrollment: 20
Textbook: ~There is no textbook required for this course~

*BIOL 59500 (CRN 46090)
TRANSMISSION ELECTRON MICROSCOPY THEORY
(Wks 1-10 Jan 11-Mar 28) (Meets w/ HORT 50300)
Instructors: Wen Jiang
Estimated Enrollment: 5
Textbook: ~There is no textbook required for this course~

*BIOL 59500 (CRN 46092)
TRANSMISSION ELECTRON MICROSCOPY LAB
(Wks 1-10 Jan 11-Mar 28) (Meets w/ HORT 50400)
Instructors: Deborah Sherman
Estimated Enrollment: 2
Textbook: ~There is no textbook required for this course~

*BIOL 59500 (CRN 12333)
(Wks 8-15 Mar 1-May 2)
3D RECONSTRUCTION OF MACROMOLECULES
Instructor: Wen Jiang
Estimated Enrollment: 20

Textbook: ~There is no textbook required for this course~

*BIOL 59500 (CRN 40221)
SENSORY ECOLOGY
Instructors: Jeffrey Lucas and Esteban Fernandez-Jurcic
Estimated Enrollment: 25

Textbook: ~There is no textbook required for this course~

BIOL 59500 (CRN 45916)
INTEGRATED SCIENCE & NATIVE AMERICAN CULTURE
(Meets w/BTNY 590 and EAS 59100)
Instructor: Kerry Rabenold
Estimated Enrollment 15

Textbook:

BIOL 59500 (CRN 45998)
LAB IN CRYSTALLOGRAPHY
Instructor: Alan Friedman
Estimated Enrollment: 8

Textbook: Decision pending

*BIOL 59900 (CRN 33638)
QUANTITATIVE PHYSIOLOGY
Instructor: Kevin Otto
Estimated Enrollment: 40

Text: Medical Physiology
Year/Edition: 2nd
ISBN Number: 978-1-4160-3115-4
Author(s): Boron & Boulpaep
Publisher: Elsevier Saunders
*BIOL 62000 (CRN 12334)
ADVANCED TOPICS IN EUKARYOTIC CELL BIOLOGY
Instructors: R. Claudio Aguilar and Christopher Staiger
Estimated Enrollment: 20

Text: Cell Biology
Year/Edition: 2008/2nd
ISBN:
Author(s): Thomas D. Pollard & William C. Earnshaw
Publisher: Saunders/Elsevier Publishers

BIOL 64700 (CRN 12336)
MEMBRANE PROTEINS
Instructors: William Cramer and Dinesh Yernool
Estimated Enrollment: 10

Textbook: ~There is no textbook required for this course~

*BIOL 65300 (CRN 12337)
ADVANCED EVOLUTION DISCUSSION
Instructor: Morris Levy, Course Director
Estimated Enrollment: 10

Textbook: ~There is no textbook required for this course~

*BIOL 66300 (CRN 12338)
SEMINAR METHODS & PROFESSIONAL DEVELOPMENT II
Instructor: TBD
Estimated Enrollment: 35

Textbook: ~There is no textbook required for this course~

*BIOL 69100
BIOLOGICAL RESEARCH METHODS
Instructors: Various
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~
**BIOL 69500**  
SPECIAL ASSIGNMENTS  
Instructor: Various  
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~

**BIOL 69500 (CRN 12366 and 33636)**  
CELL, MOLECULAR AND DEVELOPMENTAL STUDY  
Instructor: Stephen Konieczny  
Estimated Enrollment: 25

Textbook: ~There is no textbook required for this course~

**BIOL 69500 (CRN 12373)**  
ADVANCED MOLECULAR VIROLOGY  
Instructor: David Sanders  
Estimated Enrollment: 20

Text: Principles of Virology: Molecular Biology, Pathogenesis, and Control of Animal Viruses  
Year/Edition: 3rd  
ISBN Number:  
Author(s): S. J. Flint, et al.  
Publisher: ASM Press

**BIOL 69500 (CRN 33637)**  
NEW ASSESS TOOLS FOR BIOL CLASSES  
Instructor: Laurie Iten  
Estimated Enrollment:  

Textbook: ~There is no textbook required for this course~

**BIOL 69500 (CRN 40780)**  
CAREER DEVELOPMENT  
Instructor: Jue Chen  
Estimated Enrollment:
Textbook: "There is no textbook required for this course~

*BIOL 69600 (CRN 12374)
STRUCTURAL SEMINAR
Instructor: Jue Chen
Estimated Enrollment: 6

Textbook: "There is no textbook required for this course~

*BIOL 69600 (CRN 12375)
SEMINAR CELL & DEVELOPMENT
Instructor: Stanton Gelvin
Estimated Enrollment: 12

Textbook: "There is no textbook required for this course~

*BIOL 69600 (CRN 33640)
SEMINAR LIPIDS & DISEASE
Instructor: Ignacio Camarillo
Estimated Enrollment: 10

Textbook: "There is no textbook required for this course~

*BIOL 69600 (CRN 46802)
COMPUTATIONAL & SYSTEMS BIOLOGY
Instructor: Michael Gribskov
Estimated Enrollment: 10

Textbook: "There is no textbook required for this course~

*BIOL 69800
RESEARCH MS THESIS
Instructors: Various
Estimated Enrollment: Unlimited

Textbook: "This is a special assignment course, no textbook required~

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*BIOL 69900
RESEARCH PhD THESIS
Instructors: Various
Estimated Enrollment: Unlimited

Textbook: ~This is a special assignment course, no textbook required~