



## SGPS CORE COURSES 2018-2019 BOOK LIST

### FALL TERM

#### **GIGP 501 - Molecular and Cellular Biology I**

REQUIRED TEXT: *Molecular Biology of the Cell*, Alberts et al., 6th edition

#### **GIGP 507 - Art of Scientific Presentation** REQUIRED TEXT: NONE

#### **GIGP 510 - Computer Applications in Biomedical Research** REQUIRED TEXT: NONE

#### **GIGP 509 - Biostatistics**

RECOMMENDED TEXT: *Statistics at the Bench: A Step-by-Step Handbook for Biologists*  
Hardcover. Doerge and Bremer. (2009)

### WINTER TERM

#### **GIGP 502 - Molecular and Cellular Biology II** REQUIRED TEXT: NONE

#### **GIGP 508 - Ethics and Regulatory Issues in Biomedical Research**

REQUIRED TEXT: *Introduction to the Responsible Conduct of Research*, Rev. Aug 2007 –  
Steneck - <http://ori.hhs.gov/documents/rcrintro.pdf> (online resource)

#### **GIGP 503 B, C, D, E - Systems Lectures**

Section B - Cystic Fibrosis -- REQUIRED TEXT: NONE

Section C - Cancer – RECOMMENDED TEXT: *The Biology of Cancer*, Weinberg, 2007,  
Garland Science

Section D - Neurodegenerative Diseases - REQUIRED TEXT: NONE

Section E – Fundamentals of Immunology – REQUIRED TEXT: NONE

### WINTER/SPRING TERM

#### **ELECTIVES:**

#### **GIGP 505 Cellular & Molecular Developmental Biology – Elective Course**

REQUIRED TEXT: *Dev. Biology*, Gilbert, 9th Edition, Sinauer Assoc. Press. (Text  
supplied by course director)

#### **GIGP 506 Systems Physiology – Elective Course**

REQUIRED TEXTS: *Respiratory Physiology: the Essentials*, West, 10<sup>th</sup> edition  
and *Principles of Physiology*, Berne and Levy, 4th edition  
(Both books are provided by the course director and are on  
reserve in the RFUMS library)

#### **GIGP 512 Neuroscience – Elective Course**

REQUIRED TEXT: *Neuroscience*, Dale Purves, et al. 5th Ed. Sinauer Associates, Inc.