

# GRADUATE CENTER (GC)

## GC 510: Database Design & Mgmt

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 515: Qual Meas & Outcome Ana in Hlt

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture

## GC 520: Cultural Humility in Life Sci

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Lecture, Lecture/On-Line, On-Line

## GC 525: Information Systems Management

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 526: Presentation Skills

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Lecture

## GC 529: Lab Animal Science

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Lecture/Lab

## GC 531: Fundamentals-Biosafety

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Lab, Lecture, Lecture/Lab, Lecture/On-Line, On-Line

## GC 535: Intro to Genomics & Bioinforma

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, Lecture/Lab

## GC 540: Biomedical Informatics

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Lecture

## GC 550: Found in Biomedical Sciences

This course provides an introductory graduate-level knowledge base of biochemistry, genetics, molecular and cellular biology, immunology, and neuroscience to the beginning student. The primary goal is to convey a foundation of the molecular and cellular mechanisms controlling cell, tissue, and organ system function. It utilizes a team-taught approach to give students an expert, cutting-edge overview of a wide range of topics, combined with various reinforcing group exercises designed to guide self-learning, and to broaden scientific interest and strengthen communication skills.

Credits: 10

College: Jefferson College of Life Sciences

Schedule Type: Exam, Lecture, Lecture/Lab, On-Line

## GC 550A: Found in BiomedSci-Genetics

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture/Lab

## GC 550B: Found in BiomedSci-Biochemistry

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture/Lab

## GC 550C: Found in BiomedSci-CellBiology

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture/Lab

## GC 550D: Rudiments/ComputationalBio&Med

Credits: 1

College: Jefferson College of Life Sciences

Schedule Type: Lab, Lecture, Lecture/Lab, Lecture/On-Line, On-Line

## GC 558: Intro to UNIX & Program in C

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 559: Intro to R Programming

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 560: Data Visualization

Credits: 2

College: Jefferson College of Life Sciences

Prerequisites: GC 559

Schedule Type: Lecture, Lecture/On-Line, On-Line

## GC 561: Data Structure & Algorithms

Credits: 3

College: Jefferson College of Life Sciences

Prerequisites: GC 558 or GC 559

Schedule Type: Lecture, On-Line

## GC 562: Computational Genomics

Credits: 3

College: Jefferson College of Life Sciences

Prerequisites: GC 558 and GC 559

Schedule Type: Lecture, On-Line

## GC 563: Computational Transcriptomics

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 564: Data Mining & Machine Learning

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 565: Functional Genomics

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, Lecture/On-Line, On-Line

## GC 600: Managerial and Teamwork Skills

Credits: 3

College: Jefferson College of Life Sciences

Schedule Type: Lecture, On-Line

## GC 601: Neuropharmacology:Nerv System

Credits: 2

College: Jefferson College of Life Sciences

Schedule Type: Seminar

**GC 605: Performance Improvement****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 610: Strategic Management****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 615: Grants & Contracts Management****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 617: ManagPharm DrugDevelopProjects****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 620: Fund of Fin Mgmt.****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture**GC 621: Biotechnology Venture Mgmt****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 622: Cases in Fin Management****Credits:** 2**College:** Jefferson College of Life Sciences**Prerequisites:** GC 620**Schedule Type:** Lecture**GC 625: Drug Development Essentials****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, Lecture/On-Line, On-Line**GC 630: Fund-Clinical Trials****Credits:** 3**College:** Jefferson College of Life Sciences**Prerequisites:** GC 660 or GC 663 or NS 740**Schedule Type:** Lecture, On-Line**GC 631: CompEff & PtCent OutcomesRes****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line, Seminar**GC 632: Rsrc Method:Surg Spec Res Cons****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, Lecture/On-Line, On-Line, Seminar**GC 633: Topics in Bioinformatics****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture**GC 635: Intro to Clin Trials Mgmt****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 636: PrinCarMgmt-DiverseBMCareers****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line, Seminar**GC 637: Adv Clin Trial Mgmt: Careers****Credits:** 2**College:** Jefferson College of Life Sciences**Prerequisites:** GC 635**Schedule Type:** Lecture, On-Line**GC 640: Research Ethics****Credits:** 1**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 642: Introduction to Microscopy****Credits:** 1**College:** Jefferson College of Life Sciences**Schedule Type:** Lab, Lecture, Lecture/Lab, Lecture/On-Line, On-Line**GC 645: Genomics & Bioinformatics****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 650: EconAnal of HealthcareInterven****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, On-Line**GC 652: DecSupp&SharedDecMaking HC****Credits:** 2**College:** Jefferson College of Life Sciences**Schedule Type:** Independent Study, Lecture, Seminar**GC 654: Pharmacoepidemiology****Credits:** 2**College:** Jefferson College of Life Sciences**Prerequisites:** MI 580 and GC 660**Schedule Type:** Lecture**GC 655: Clinical Epidemiology****Credits:** 2**College:** Jefferson College of Life Sciences**Prerequisites:** MI 580**Schedule Type:** Lecture**GC 660: Statistical Methods****Credits:** 3**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture, Lecture/On-Line, On-Line**GC 661: Data Analysis w/StatSoftware****Credits:** 1**College:** Jefferson College of Life Sciences**Prerequisites:** GC 660**Schedule Type:** Lecture/Lab**GC 662: ConceptsSciInference&StudyDes****Credits:** 1**College:** Jefferson College of Life Sciences**Schedule Type:** Lecture**GC 663: Statistics for Basic Sciences****Credits:** 3**College:** Jefferson College of Life Sciences**Prerequisites:** GC 662**Schedule Type:** Lecture

**GC 665: Cell Signaling**  
Credits: 4  
College: Jefferson College of Life Sciences  
Prerequisites: GC 550  
Schedule Type: Lecture

**GC 670: StatReasoning of BiomedResearch**  
Credits: 2  
College: Jefferson College of Life Sciences  
Prerequisites: GC 660  
Schedule Type: Lecture

**GC 675: Cancer Immunology**  
Credits: 2  
College: Jefferson College of Life Sciences  
Prerequisites: IMP 505A or MI 521  
Schedule Type: Lecture, On-Line

**GC 680: Lab Techniq-Molec Bio**  
Credits: 3  
College: Jefferson College of Life Sciences  
Prerequisites: BI 550 or CB 560 or FB 605  
Schedule Type: Lab, Lecture/Lab, On-Line

**GC 690: Reg Issu in Human Subjects Res**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture

**GC 698: Innovation Engagement**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, On-Line, Seminar

**GC 699: Independent Study**  
Credits: 1-3  
College: Jefferson College of Life Sciences  
Schedule Type: Clinical, Independent Study, Lab, Lecture, Lecture/Lab, Reseach, Seminar, Tutorial

**GC 710: MD/PhD TranResearchJournalClub**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: On-Line, Seminar

**GC 712: MDPhD TranResearchJournlClubII**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: On-Line, Seminar

**GC 714: MDPhDTranResearchJournlClubIII**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Seminar

**GC 715: MS Biomed Sciences Seminar**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: On-Line, Seminar

**GC 720: Scientific Writing**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Lecture/On-Line, On-Line

**GC 721: Basic Writing Strategies OMFS**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Seminar

**GC 722: Honors Scientific Writing OMFS**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Seminar

**GC 723: Comm Sci as Storytelling**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Lecture/On-Line, On-Line

**GC 725: Enrich ClinSkills for PhysSci**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Clinical, Independent Study, Practicum

**GC 730: Planning&Writing ResearchGrant**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Lecture/On-Line, On-Line

**GC 740: Principles of Pedagogy**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Seminar

**GC 741: Principles of Science Pedagogy**  
Credits: 1  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, On-Line, Seminar

**GC 742: Applied Statistics**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Lecture/On-Line, On-Line

**GC 746: Princ Onl Course Des & Pedag I**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, On-Line

**GC 747: Teaching & Learning Online**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: On-Line

**GC 748: Learner Centered Education**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, On-Line

**GC 749: The Science of Learning II**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, On-Line

**GC 750: PhD Laboratory Rotation I**  
Credits: 3  
College: Jefferson College of Life Sciences  
Schedule Type: Lab, Reseach

**GC 751: Instructional Tech & Learning**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: On-Line

**GC 752: Curriculum & Instructional Des**  
Credits: 2  
College: Jefferson College of Life Sciences  
Schedule Type: Lecture, Lecture/On-Line, On-Line

**GC 753: Program Assessment & Eval**

**Credits:** 2

**College:** Jefferson College of Life Sciences

**Schedule Type:** Lecture, Lecture/On-Line, On-Line

**GC 760: PhD Laborator Rotation II**

**Credits:** 3

**College:** Jefferson College of Life Sciences

**Schedule Type:** Lab, Reseach

**GC 770: PhD Laboratory Rotation III**

**Credits:** 3

**College:** Jefferson College of Life Sciences

**Schedule Type:** Reseach

**GC 780: PhD Laboratory Rotation IV**

**Credits:** 3

**College:** Jefferson College of Life Sciences

**Schedule Type:** Lab, Reseach