

# Spring 2022 Courses

## Full Semester



### BIT 410/510

**Manipulation of Recombinant DNA**

Lecture 12:50-2:40, Lab 12:50-5:50

M/W Section 001 / 201 Srougi

T/R Section 002 / 202 Dums

W/F Section 003 / 203 Noel

M/W Section 604/704 Goller

*Introduction to molecular biology and protein chemistry. Theory behind laboratory techniques and overview of molecular cloning strategies. Laboratory sessions involve plasmid isolation, restriction digestion, PCR, transformation, screening molecular clones, SDS-PAGE, affinity chromatography, Western blotting, and an introduction to animal cell culture techniques.*



### BIT 295 (Freshmen/Sophomores) Biotechnology & Sustainability

T/R 10:15-11:30

Goller and Sjogren

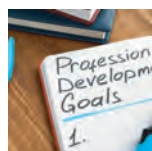


### BIT 501-601

#### Ethical Issues in Biotechnology

W 10:40-12:30

Hasley



### BIT 402/502-601

#### Professional Development

M 3:00-4:15

Chen

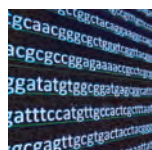


### BIT 815-301

#### Capstone Biotechnology

F 10:40-12:30

Kelly



### BIT 815-303

#### Deep Sequencing Analysis

M/W/F 8:30-10:20

Whetten

## Session 1 (8 weeks)

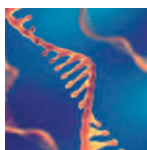


### BIT 464/564-301

#### Protein Purification

M 12:50-5:50, W 3:00-4:50

Kelly



### BIT 471/571-301

#### RNA Interference

R 12:50-5:50, T 3:00-4:50

Srougi

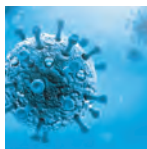


### BIT 479/579-301

#### High Throughput Discovery

T 12:50-5:50, R 12:50-2:40

Goller and Sjogren



### BIT 482/582-301

#### Virus Biotechnology

T 12:50-5:50, R 3:00-4:50

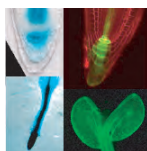
Chen



### BIT 495/595-301

#### Illuminating Disease with Chemical Biology

T/R 8:30-12:00, Fikes



### BIT 495/595-302

#### Synthetic Biology

T 12:50-5:50, M 12:50-2:40

Stepanova and Alonso



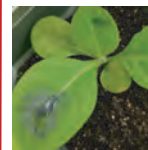
### BIT 495/595-303

#### Next-Gen Forensics

W 12:50-5:50, M 3:00-4:50

Meiklejohn

## Session 2 (8 weeks)



### BIT 474/574-301

#### Plant Genetic Engineering

W 12:50-5:50, M 3:00-4:50

Dums

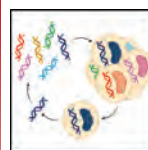


### BIT 495/595-304

#### Cancer Drug Discovery & Development

T 12:50-5:50, R 12:50-2:40

Srougi

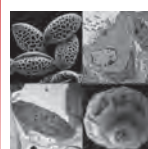


### BIT 495/595-305

#### Directed Evolution

T 12:50-5:50, R 3:00-4:50

Chen

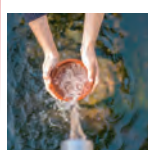


### BIT 495/595-306

#### Biological Electron Microscopy

T 12:50-5:50, R 3:00-4:50

Bell



### BIT 495/595-307

#### Environmental DNA Analysis and Applications

M 12:50-5:50, W 3:00-4:50, Hasley

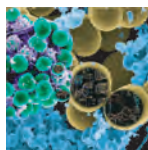


### BIT 495/595-308

#### Comparative Plant Transcriptomics

M 12:50-5:50, W 3:00-4:50

Sjogren

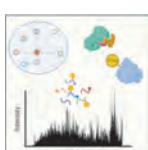


### BIT 495/595-609

#### Metabolic Modeling

W 12:50-5:50, M 3:00-4:50

Whitham and Goller



### BIT 572-301

#### Proteomics

M 12:50-5:50, R 1:30-4:15

Williams