

### Biology 3594 Couse Odline Syllabus Winter 2024

### 1. CourseInformation and Prerequisites

Prerequisites Biochenistry 2280A; Biology 2581A/B.

Unless you have either the perequisites for this couse or written special permission from your Dearis Designate (Department/Program Counsellors and Science Academic Counselling) to enroll init, you may be removed from this couse and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees if you are dopped from a couse for failing to have the necessary perequisites.

### **2 Instructor Information**

Professor	Email	Office	Phone	OfficeHours
Dr. Patrick McDoreld	prodret@uvoca			
GTAs				
Abbie Bedrad	abedra 3º uvoca			

Students must use their Western (@uvoca) enail addresses when contacting their instructors

## 3 CourseDescription, LearningOutcomes, Schedule, DeliveryMode

CourseDescription This course [Biology 3594b] will cover concepts related to DNA organization replication, mutagenesis archepirin both probaryotic and eckaryotic organisms. Lecture topics will include concert literature in DNA mutagenesis archepindesigned to permit direct examination of concepts, experimental design, methodology, data are lysis and future trends

Learning Outcomes and Objectives

Onsuccessful completion of this course sturknts will be able to

- **Wite effectively**
- Performeffective searches in equal ble internet sources
- Use Zoterosoftware for citing literature and preparing a reference list
- Workeffectively in a team
- Teachtheantony of a cularyotic gene
- Teach The Certral Dogna
- Describe ard illustrate a dag amfor communet hols for DNA danage assays, mutation detection assays and gare/garenese quarte analysis techniques
- Jointheconversation and identify ethical drallenges presented by advances in human

gretics/gronics research ardits translation to the diric ard natetplace

- Identify the science, technology, stateholders and issues in current bicethics dellarges
- Undestant) discuss and debate current topics in bioethics associated with genetic/genenic technologies
- Describe different forms of generic instability

Contingency Plan This cousewill be delivered in person, however in the utiledy event of any university declared energy, some or all of this couse may be required to be delivered or line, either synchronously or asynchronously.

Any assessments affected will be conducted or line as determined by the professor.

Mdemezan	<b>30%</b>	<b>Date TBA</b>
<b>CWLQ.izzes</b>	<b>10%</b>	best4of5

Wittenssigment 20% 40% deMada22at11:00pm

Scheduled by registranduring April examperiod Find exam

### **6 Student Absences**

If you are unable to meet a course requirement due to illness or other serious circumstances, please follow the procedures below

Assessments worthless than 10% of the overall course grade

The best 4 act of 5 quizzes will be counted towards the overall quizg gate Sturkers who miss note than

When accuse requirement conflicts with a religious holiday that requires an absence from the University or profibits certain activities, students should request accommodation for their absence in writing at least two weeks prior to the holiday to the course instructor and/or the Academic Courselling office of their Faculty of Registration. Heave consult University's list of recognized religious holidays (updated annually) at

https://milticultualcalenchecom/ecal/indexphp?s=euriswo

#### Accommodation Policies

Sturkets with disabilities work with Accessible Education (formerly SSD), which provides recommendations for accommodation based on medical abcumentation or psychological and cognitive testing. The policy on Academic Accommodation for Sturkets with Disabilities can be found at:

https://www.uvoca/urivsec/pdf/academic\_policies/appeals/Academic Accommodation\_disabilities.pdf,

# https://tendepodoinguvoca

Professionalism&Privacy.

Tocorrect with a case manager or set up an appointment, please contact support@uvoca

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other an arguments cannal territories course no reasonable to you. You may also wish to contact Accessible Education at

http://academicsupport.uvoca/accessible\_eduration/index.html

if you have any questions regarding accommodations