

# **BIOLOGY 121.3 Sec C16, Sec C18- Diversity of Life (2017-2018 Term 2– Prince Albert)**

This course is designed to introduce you to the vast and exciting field of biology, with a focus on biological diversity, evolution, adaptations of organisms to specific environments, and the factors influencing changes in biodiversity over time and space.

## **Instructors**

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## **TEXTS:**

1. Biology: exploring the diversity of life. Russell et al. 2016. Nelson Education (available in the Woodland Campus Bookstore)
2. Biology 121.3 Laboratory Manual (2018 Edition)

## **EVALUATION:**

### **Lecture Examinations**

Students must bring their current University of Saskatchewan student card to all exams and be prepared to present it for verification purposes. Entry into certain campus buildings where exams may be held, also requires a valid student card.

It is forbidden for students to utilize in any way during an exam, any electronic device (e.g., cell phone, dictionary, palm pilot, translator, etc.). This includes calculators because these are not required for any exam.

There will be one Mid-Term Lecture Exam, (Thursday 15 February 2018). In the event that a student is absent from this exam due to a medical emergency or death in the family, or an exceptional circumstance, it is **necessary for the student to present documentation (e.g., medical certificate, death notice or verification) explaining the absence**, to assist in the determination of whether permission will be granted for the student to write a deferred mid-term exam. Students absent for the Mid-Term Lecture Exam **must advise their lecturer in person or by telephone or by email) and initiate arrangements for writing a Deferred Mid-Term Exam, within 3 working days of the missed exam**, in order to avoid being assigned a grade of zero for the exam.

A Final Lecture Exam will be held in April, 2018, as arranged by the Registrar. If a student is absent for a legitimate reason, **he/she may apply for a Deferred Final Exam, within 3 working**

days of the missed exam to the Dean's Office of the College in which he/she is registered.

### Laboratory Examinations

There will be a Laboratory Exam in the week commencing on 26 March 2018. **Consult your 2018 Lab Manual for the procedure to follow for a missed Lab Exam.**

There are other regular assignments, drawings and quizzes required for successful completion of the laboratory component of the course, and these are outlined in the Lab Manual.

### Grades

The final mark is calculated as follows:

Mid-term I exam mark	=	15%
Final lecture exam mark	=	45%
Lab Assignments and quizzes	=	20%
Lab Exam	=	<u>20%</u>
TOTAL	=	100%

### LABORATORIES:

1. Labs begin in the week of 8 JANUARY 2018. **Make sure you have registered for a lab on-line.** Students are expected to attend (and be on time for) all scheduled labs, review labs and final lab exams.
2. **The current edition of the Biology 121.3 lab manual is required for all labs** (this item can be purchased at the SkPolytech Bookstore in Prince Albert). For your labs you will also need a 3-ring binder; a 2H, 3H or 4H drawing pencil, white (unlined) drawing paper, a calculator, an eraser, a metric ruler and a dissection kit.
3. Any other questions regarding the lab should be directed to the instructor/laboratory coordinator (Joanne Marchand at 765-1637, joanne.marchand@saskpolytech.ca).

### ACADEMIC HONESTY:

It is expected that each student be honest and display integrity with respect to examinations, assignments and other academic work. Academic dishonesty (of which plagiarism is one form) is a serious offence at this University. Students should consult the University's webpage (<http://www.usask.ca/honesty>) regarding the rules about academic honesty/dishonesty.

## **STUDENTS WITH A DISABILITY:**

1. Disability Services for Students provides accommodations and services to part-time and full-time students with temporary and permanent disabilities.

Services include exam accommodations, note-taking services, referrals for assessments, counseling and other advocacy support.

Services are free, however, students are required to register with appropriate medical documentation.

If you are a student with a disability or would like more information about the services please contact Access and Equity Services at 306-966-7273, e-mail: [aes@usask.ca](mailto:aes@usask.ca), check out the website at <https://students.usask.ca/health/centres/access-equity-services.php#AssistiveTechnologyRoom> or see Rob Procyck (University of Saskatchewan Coordinator at Woodland Campus 933-5345).

## LECTURE SCHEDULE FOR BIOLOGY 121.3 ( 2018)

TERM 2	LECTURE TOPIC
WEEK 1 (Jan. 4) HG	Introduction & conservation biology
WEEK 2 (Jan. 11) HG	Theory and evidence for evolution
Week 3 (Jan 18) HG	Population genetics
WEEK 4 (Jan. 25) DH	Evolutionary mechanisms & Species concepts
WEEK 5 (Feb. 1) DH	Origin of Life on Earth
WEEK 6 (Feb. 8)	History of life on earth
Week 7 (Feb. 15)	<b>MIDTERM Exam</b>
WEEK 8 (Feb 19-23)	<b>WINTER READING WEEK</b>
WEEK 9 (March 1)	Changes in Biodiversity – Domains Bacteria and Archaea
WEEK 10 (Mar. 8)	Domain Eukarya
WEEK 11 (Mar. 15)	Kingdom Plantae
WEEK 12 (Mar. 22)	Kingdom Animalia
WEEK 13 (Mar 29)	Kingdom Chordata
WEEK 14 (Apr 4)	Review