BIOLOGY 121.3 Section 1 (Term 2) - Diversity of Life (2011-2012)

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 evolutionary and ecological factors influencing changes in biodiversity over time and space.

REQUIRED TEXTS:

1. Biology 121.3 Laboratory Manual (2011-2012 Edition)

RECOMMENDED TEXTS:

Biology: by Brooker, Widmaier, Graham & Stiling - McGraw-Hill Publishing [Canadian version]

Note: Copies of this recommended textbook are available on reserve in the Natural Sciences Library.

INSTRUCTORS & COORDINATORS:

Instructor	Dr. D. Lehmkuhl	Biol rm 241, 966-4408, dennis.lehmkuhl@usask.ca
Instructor	TBA	
Lab Coordinator	Mr. J. Yurach	Biol rm 216, 966-4423, joel.yurach@usask.ca
Course Coordinator	Dr. N. Chilton	Biol rm 310, 966-4407, neil.chilton@usask.ca

LECTURES [Mondays, Wednesdays & Fridays 9.30-10.20; Biology room 106]:

The lecture topics will include: introduction to living entities, classification of organisms, intraspecific and interspecific variation and evolution, change in biodiversity through time, biodiversity today, relationships and interactions between organisms, and human (anthropogenic) Influences on biodiversity.

LABORATORY CLASSES [Biology room 204]:

1. Labs begin in the week of JANUARY 9th. **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. The lab schedule is provided on the next page of this document.
2. **The current edition of the Biology 121.3 lab manual is required for all labs** (this item can be purchased for $25 at the Bookstore in Marquis Hall). 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 (all available from the Tuck Shop or Centre Shop or North 40 shop on campus).
3. Any other questions regarding the lab should be directed to the laboratory staff in Room 216. See page 2 of the lab manual for contact telephone numbers.

LAB SCHEDULE:

TERM 2	LAB TOPIC (see lab manual for details)
WEEK 1 (Jan. 2-6)	NO LAB
WEEK 2 (Jan. 9-13)	LAB 1 – Introduction & Prokaryotes
WEEK 3 (Jan. 16-20)	LAB 2 - Protists
WEEK 4 (Jan. 23-27)	LAB 3 - Fungi
WEEK 5 (Jan. 30-Feb. 3)	LAB 4 - Green algae, mosses, ferns & club mosses
WEEK 6 (Feb. 6-10)	NO LAB
WEEK 7 (Feb. 13-17)	LAB 5 - Conifers & angiosperms
(Feb. 20-24)	***** MID-TERM BREAK *****
WEEK 8 (Feb. 27-Mar. 2)	LAB 6 - Sponges, Cnidarians & Flatworms
WEEK 9 (Mar. 5-9)	LAB 7 - Nematodes, Mollusks & Annelids
WEEK 10 (Mar. 12-16)	LAB 8 - Arthropods, Echinoderms & Chordates
WEEK 11 (Mar. 19-23)	REVIEW LAB
WEEK 12 (Mar. 26-30)	**FINAL LAB EXAM**

**** Last day to withdraw from course without academic penalty is Wednesday February 15th 2012.**

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, in the **week of February 6th**. 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 Instructor in person or by telephone (not 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 2012, 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 **March 26th**. Consult page 2 of the 2011-2012 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	= 20%
TOTAL	= 100%

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 (DSS) 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 Disability Services for Students at 966-7273 or check out the website at www.students.usask.ca/disability

2. Students requiring an elevator for access to the second and third floors in the Biology Building (teaching labs and most faculty offices) may use the elevator at the north end of the research wing, opposite Room 130. Access to the second floor may also be obtained using the elevator in the Museum of Natural Sciences.