

## Department of Biology Course Outline

BIOL 2030 4.0 Section A, Animals  
Fall 2016

### Course Description

A study of the diversity of animals, their structure, physiology and evolution. Three lecture hours, three laboratory hours. One term. Four credits.

### Prerequisites

Prerequisite: SC/BIOL 1010 6.00 or SC/BIOL 1000 3.00 and SC/BIOL 1001 3.00.

Course credit exclusions: SC/BIOL 2030 5.00, SC/BIOL 2031 4.00, SC/BIOL 2031 3.00.

### Course Instructors and Contact Information

## INTRODUCTION - PEOPLE

**Course Director: Dr. Scott P. Kelly**

**Location: Farq Room 021 (basement)**

**Telephone: 416-736-2100 Ext. 77830**

**Email: [spk@yorku.ca](mailto:spk@yorku.ca) (preferred method of contact)**

**Office Hours: Fridays 2-3 PM OR by appointment**

**Lab Director: Chun Chih Chen (PhD candidate)**

**Location: Farq Room 021**

**Email: [biol2030@yorku.ca](mailto:biol2030@yorku.ca)**

## Schedule

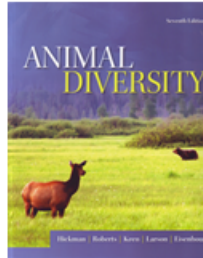
### **INTRODUCTION - WHEN, WHERE, TEXT ETC.**

**SC/BIOL 2030 - 4.0 [FALL 2016]**

**Lectures: Tuesday & Thursday - 11:30 AM to 1:00 PM**

**Laboratories: Tuesday to Friday - 2:30 PM to 5:30 PM [LB 124/126]**  
[Labs start on September 20<sup>th</sup> 2016]

**Text: Animal Diversity 7<sup>th</sup> edition  
Hickman C.P., Roberts L.S., Keen S.L.,  
Larson A. & Eisenhour D.J.  
McGraw Hill**



Lecture 1 - slide 4

## Evaluation

### **GRADES**

**Final grades will be determined as follows:**

Midterm Exam	20%*
Final Exam	40%**
Laboratory Work	25%
Laboratory Exam	15%

**Multiple choice and Short Question Format**

\*Material covered will include all lectures and assigned reading up to and including Oct 11<sup>th</sup> (i.e. including Annelids)

\*\* Will include ALL lecture and assigned reading material covered through the entire course (i.e. a cumulative exam)

Lecture 1 - slide 23

## Important Dates

For important dates such as holidays, refer to the "Important Dates" section of the Registrar's Website at <http://www.yorku.ca/yorkweb/cs.htm>

## Resources

Moodle  
Lab Manual  
Textbook: **Animal Diversity 7<sup>th</sup> edition**  
**Hickman C.P., Roberts L.S., Keen S.L.,  
Larson A. & Eisenhour D.J.**  
McGraw Hill

## Learning Outcomes

Upon successful completion of this course, students should:

1. Possess factual and conceptual information about animals
2. Have developed dissection skills and appreciate the internal architecture and organization of various animal groups
3. Have developed observation, interpretation and note-taking skills

## Course Content

### LECTURE/LAB SCHEDULE

#### SEPTEMBER 2016

8th - Introduction  
13th - Classification/Architecture  
15th - Architecture/Unicellular Eukaryote  
20th - Unicellular Eukaryote/Porifera → 20th, Protista  
22nd - Cnidaria  
27th - Cnidaria/Platyhelminthes → 27th, Porifera  
29th - Platyhelminthes → Cnidaria

#### OCTOBER 2016

4th - Pseudocoelomates → 4th, Nematodes  
6th - Mollusca → Platyhelminthes  
11th - Annelids → 11th, Mollusca  
13th - Review  
18th - Midterm Exam → 18th, Annelids  
20th - Arthropods I  
25th - Arthropods II

#### NOVEMBER 2016

1st - Echinodermata → 1st, Arthropoda  
3rd - Vertebrate Beginnings  
8th - Fishes I → 8th, Echinoderms  
10th - Fishes II → Chordata I  
15th - Amphibians → 15th, Chordata II  
17th - Reptiles  
22nd - Aves → 22nd, Chordata III  
24th - Mammals  
29th - Review

#### DECEMBER 2015

1st - No Class

#### LABS

#### LABS

## Experiential Education and E-Learning

Hands-on training with animal dissection.

## Other Information

Any information you want in your outline that does not fall under the other categories, such as laboratory information, the expectations you have for your students, tips for success, role of tutorial, role of instructors, etc.

### **ACADEMIC HONESTY**

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#### **All Senate Policies on Academic Honesty Apply**

(<http://www.yorku.ca/secretariat/policies/document.php?document=69>)

#### **Avoid ambiguous behaviour during exams**

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#### **Missed Exams**

- an exam missed due to illness requires an **Attending Physicians Statement**

<http://psyc.info.yorku.ca/files/2012/11/ps.pdf>

- midterm make-up exam will be in a written format (i.e. not multiple choice)

## University Policies

### **Academic Honesty and Integrity**

York students are required to maintain the highest standards of academic honesty and they are subject to the Senate Policy on Academic Honesty (<http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/>). The Policy affirms the responsibility of faculty members to foster acceptable standards of academic conduct and of the student to abide by such standards.

There is also an academic integrity website with comprehensive information about academic honesty and how to find resources at York to help improve students' research and writing skills, and cope with University life. Students are expected to review the materials on the Academic Integrity website at - [http://www.yorku.ca/spark/academic\\_integrity/index.html](http://www.yorku.ca/spark/academic_integrity/index.html)

### **Access/Disability**

York University is committed to principles of respect, inclusion and equality of all persons with disabilities across campus. The University provides services for students with disabilities (including physical, medical, learning and psychiatric disabilities) needing accommodation related to teaching and evaluation methods/materials. These services are made available to students in all Faculties and programs at York University.

Students in need of these services are asked to register with disability services as early as possible to ensure that appropriate academic accommodation can be provided with advance notice. You are encouraged to schedule a time early in the term to meet with each professor to discuss your accommodation needs. Please note that registering with disabilities services and discussing your needs with your professors is necessary to avoid any impediment to receiving the necessary academic accommodations to meet your needs.

### **Additional information is available at the following websites:**

Counselling & Disability Services - <http://cds.info.yorku.ca/>

Counselling & Disability Services at Glendon –

<http://www.glendon.yorku.ca/counselling/personal-counselling/what-is-counselling/>

York Accessibility Hub - <http://accessibilityhub.info.yorku.ca/>

### **Ethics Review Process**

York students are subject to the York University *Policy for the Ethics Review Process for Research Involving Human Participants*. In particular, students proposing to undertake research involving human participants (e.g., interviewing the director of a company or government agency, having students complete a questionnaire, etc.) are required to submit an *Application for Ethical Approval of Research Involving Human Participants* at least one month before you plan to begin the research. If you are in doubt as to whether this requirement applies to you, contact your Course Director immediately.

**Religious Observance Accommodation**

York University is committed to respecting the religious beliefs and practices of all members of the community, and making accommodations for observances of special significance to adherents. Should any of the dates specified in this syllabus for an in-class test or examination pose such a conflict for you, contact the Course Director within the first three weeks of class. Similarly, should an assignment to be completed in a lab, practicum placement, workshop, etc., scheduled later in the term pose such a conflict, contact the Course director immediately. Please note that to arrange an alternative date or time for an examination scheduled in the formal examination periods (December and April/May), students must complete an Examination Accommodation Form, which can be obtained from Student Client Services, Student Services Centre or online at [http://www.registrar.yorku.ca/pdf/exam\\_accommodation.pdf](http://www.registrar.yorku.ca/pdf/exam_accommodation.pdf)

**Student Conduct in Academic Situations**

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect. Moreover, it is the responsibility of the instructor to maintain an appropriate academic atmosphere in the classroom and other academic settings, and the responsibility of the student to cooperate in that endeavour. Further, the instructor is the best person to decide, in the first instance, whether such an atmosphere is present in the class. The policy and procedures governing disruptive and/or harassing behaviour by students in academic situations is available at - <http://secretariat-policies.info.yorku.ca/policies/disruptive-and-or-harassing-behaviour-in-academic-situations-senate-policy/>