

GRANDE PRAIRIE REGIONAL COLLEGE

ZOOLOGY 1200

GENERAL INFORMATION

Instructor:

Ken Fry

Office: J222

F.93

Telephone: 539-2827

Description:

An introduction to the structure, function, and phylogeny of animals. The first part of the course concentrates on the major adaptive and distinguishing features of the most important and abundant phyla. The second part of the course stresses major problems of life that all animals face. Thus, emphasis will be on the regulation of metabolism, reproduction and development, and aspects of physiology of animals.

Text-books:

Elson, L. M. 1982. The Zoology Coloring Book. Fitzhenry & Whiteside Ltd.

Hickman, C. P., Roberts, L. S., & Hickman, F. M. 1990. Biology of Animals. 5th Edition. Times Mirror/Mosby.

Zoology 120 (1200) Laboratory Manual. Principles of Animal Biology. University of Alberta.

Hickman, C. P., Roberts, L. S., & Larson, A. 1993. Integrated Principles of Zoology. 9th Edition. Times Mirror/Mosby. (*recommended but not necessary*)

Requirements:

- A) Since participation in lectures and laboratories and completion of assignments are all important components of this course, students will serve their interests best by regular attendance. Those who chose not to attend must assume whatever risks are involved. In this regard, the attention of the students is directed to the Academic Guidelines of the College.
- B) Lecture & Laboratory Quizzes and Reports
- C) Lecture Midterm (tentatively October 18)
- D) Laboratory Final Exam (Week of Nov. 29, 1993)
- E) Final Lecture Exam (date set by Registrar)

Lectures: Section A2 M, W, F 0900 - 0950 Room J226

Labs: Section AL1 Tues. 1500-1750 Room J130
Section AL2 Wed. 1500-1750 Room J130

EVALUATION

Your final mark will be calculated from the following combination of marks:

Laboratory:

Quizzes.....10%
Final Exam.....20%

Lecture:

Quizzes.....5%
Midterm Exam.....25%
Final Exam.....40%

Examinations will consist of multiple choice, short answer, or essay questions. The midterm will include all topics covered through Oct. 18. The final exam will include all material considered in the course. To do well you must be able to interpret and synthesize material covered in lecture, lab, and text (the organization and emphasis of my course differs from that of the text). I also expect you to participate fully in class discussions.

TRANSFERABILITY

Univ. of Alberta.....ZOOLOGY 120
Univ. of Calgary.....ZOOLOGY 273
Univ. of Lethbridge.....ZOOLOGY 2000
Athabasca Univ.....SCIENCE 2xx
Augustana.....BIOLOGY 2xx
Concordia.....BIOLOGY 120
King's College.....BIOLOGY 262
Canadian Union College.....BIOLOGY 1xx

LECTURE OUTLINE

<u>Date</u>	<u>Topic</u>	<u>Text Chapter</u>
September		
Wed. 8	Introduction/Classification.....	1 - 4
Fri. 10	Taxonomy.....	1 - 4
Mon. 13	Body Plans.....	1 4
Wed. 15	Protozoa.....	1 4
Fri. 17	Porifera.....	1 5
Mon. 20	Cnidaria.....	1 6
Wed. 22	Ctenophora.....	1 7
Fri. 24	Platyhelminthes.....	1 7
Mon. 27	Platyhelminthes.....	1 8
Wed. 29	Pseudocoelomates.....	1 9
October		
Fri. 1	Nematoda.....	1 9
Mon. 4	Mollusca.....	2 0
Wed. 6	Gastropoda.....	2 0
Fri. 8	Bivalvia/Cephalopoda.....	2 0
Mon. 11	Thanksgiving Day.....	NO CLASS
Wed. 13	Polychaeta.....	2 1
Fri. 15	Oligochaeta/Hirudinea.....	2 1
Mon. 18	MIDTERM EXAM.....	IN CLASS
Wed. 20	Trilobita/Chelicerata.....	2 2
Fri. 22	Chelicerata.....	2 2
Mon. 25	Crustacea.....	2 2
Wed. 27	Diplopoda/Chilopoda.....	2 2
Fri. 29	Insecta.....	2 2
November		
Mon. 1	Insecta.....	2 2
Wed. 3	Echinodermata.....	2 4
Fri. 5	Chordata.....	2 5
Mon. 8	Fish/Amphibians.....	26, 27
Wed. 10	Reptiles/Birds.....	28, 29
Fri. 12	Mammals.....	3 0
Mon. 15	Architecture.....	6
Wed. 17	Circulation/Immunity.....	7
Fri. 19	Respiration.....	7
Mon. 22	Homeostasis.....	8
Wed. 24	Homeostasis.....	8
Fri. 26	Digestion/Nutrition.....	9
Mon. 29	Nervous System.....	1 0

