

Registrar's Office

GRANDE PRAIRIE REGIONAL COLLEGE

SCIENCE DEPARTMENT

COURSE: ZOOLOGY 1200 - PRINCIPLES OF ANIMAL BIOLOGY
SECTION: Fall 94 Lecture Section B2 (TR 1330-1450)
Lab Sections BL1 (T 0800-1050)
BL2 (R 0800-1050)

TRANSFERABILITY: U of A - Zoology 120
U of C - Zoology 273
U of L - Zoology 2000

INSTRUCTOR: Terry R. Shewchuk
Office - J 221
Telephone - 539-2986 (Office)
- 539-2953 (Lab)

DESCRIPTION: Zoology 1200 is 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 abundant and important phylae. 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.

REQUIREMENTS: A. Since presence at lectures and laboratories, participation in classroom discussion and projects, and the completion of assignments are important components of this course, students will serve their interests best by regular attendance. Those who choose not to attend must assume whatever risks are involved. In this connection, the attention of the students is directed to the Academic Guidelines of the College.
B. MidTerm Exam (Tuesday October 18 1330-1450)
C. One final Lecture Exam (Scheduled by the Registrar's Office during Fall Term Exam Week)
D. Final Lab Exam (Week of 1994 11 21)
E. Occasional Lecture and Lab Quizzes and Reports

EVALUATION: A. Lecture/Lab Quizzes - 15%
B. MidTerm Exam - 25%
C. Final Lab Exam - 20%
D. Final Lecture Exam - 40%

ZOOLOGY 1200 - COURSE SYNOPSIS

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RESOURCES:

Elson, L.M. 1982. The Zoology Coloring Book. Fitzhenry and Whiteside Limited.

Hickman, C.P., and L.S. Roberts. 1994. Biology of Animals. 6th ed. Wm. C. Brown.

Hickman, C.P., L.S. Roberts, and A. Larson. 1993. Integrated Principles of Zoology. 9th Edition. Mosby.

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

GRANDE PRAIRIE REGIONAL COLLEGE

SCIENCE DEPARTMENT

ZOOLOGY 1200 - PRINCIPLES OF ANIMAL BIOLOGY

LECTURE OUTLINE AND READING ASSIGNMENTS (Order of subjects covered)

	H&R Chapter
1. Introduction.....	1-5
<i>ANIMAL DIVERSITY</i>	
2. Classification/Body Plans.....	14
3. Protozoa.....	15
4. Porifera.....	16
5. Cnidaria.....	17
6. Platyhelminthes.....	18
7. Aschelminthes.....	19
8. Nematoda.....	19
9. Mollusca.....	20
10. Annelida.....	21
11. Arthropoda.....	22
12. Echinodermata.....	24
13. Chordata.....	25-30
<i>ANIMAL STRUCTURE AND FUNCTION</i>	
14. Animal Architecture.....	6
15. Circulation and Immunity.....	8
16. Respiration.....	8
17. Homeostasis.....	8
18. Digestion and Nutrition.....	7
19. Nervous Integration.....	10
20. Hormonal Integration.....	11
21. Reproduction and Development.....	13
FINAL LECTURE EXAM - Scheduled by the Registrar	

LABORATORY OUTLINE

1. Survey of Animal Kingdom and Protozoa
2. Frog/Human Heart Lab
3. Frog/Human Muscle Lab
4. Protozoa
5. Invertebrates I
6. Invertebrates II
7. Invertebrates III
8. Chordates I/Chordates II
9. Lab Review

GRANDE PRAIRIE REGIONAL COLLEGE
FALL 1994

WK	LABS	MON	TUES	WED	THURS	FRI	WK
1		A-29	30	31	S-1 ORIENT.	2 ORIENT.	1
2		5 NO CLASS	6 INTRO	7	8 TAXON	9	2
3	I ORIENT SURVEY	12	13 BODY PLANS	14	15 PROTOZOA	16	3
4	HEART	19	20 PORIFERA	21	22 CNIDARIA	23	4
5	COMPULAB	26	27 HELMINTH	28	29 HELMINTH	30	5
6	II PROTOZOA	0-3	4 MOLLUSCS	5	6 MOLLUSCS	7	6
7	NO LABS	10 NO CLASS	11 ANNELIDS	12	13 ANNELIDS	14	7
8	III INVERTS1	17	18 MID- TERM	19	20 ARTH- ROPODS	21	8
9	IV INVERTS2	24	25 ARTH- ROPODS	26	27 ARTH- ROPODS	28	9
10	V INVERTS3	31	N-1 ECHINOS	2	3 CHORDATA	4	10
11	VI/VII CHORDATA	7	8 CHORDATA	9	10 CHORDATA	11 NO CLASS	11
12	LAB REVIEW	14	15 CIRC.	16	17 RESP.	18	12
13	LAB EXAM (T)	21	22 HOMEO.	23	24 FEEDING	25	13
14		28	29 DIGEST.	30	D-1 N.S./ HORMONES	2	14
15		5	6 REPRO/ DEVELOP.	7	8 REVIEW	9	15