CHAMINADE University Bi 352 - Embryology Instructor N. Chee FDOO FALL 2000 My

TEXT: Carlson, Bruce M. 6th ed. Patten's Foundation of Embryology.

MANUAL: Mathews, Willis W. 5th ed. 1998. Atlas of Descriptive Embryology. MacMillan Publ. Co,

Appendix 1 of your test: <u>Development</u> of <u>Chick Embryo</u> from 18hrs. to 4 da. incubation.

This course introduces the student to major concepts of developmental processes of selected vertebrate and invertebrate organisms. The overview includes material from earlier descriptive studies and from some more recent experimental research of \*mbryo-logical problems.

## AIMS OF COURSE

- (1) to gain a better understanding of the basic patterns of animal development by:
  - (a) studying normal ontogenetic development
  - (b) comparing development under experimental conditions with normal development
- <u>COURSE HOURS:</u> There will be two lectures per week and one laboratory with several open labs in which to complete assignments and for review.
- TEACHER CONSULTATION: Instructor is available immediately after class or at a time determined by mutual agreement.
- MAKEUP QUIZZES, EXAMS: There will be no make-up quizzes. Under unusual circumstances, e.g., serious illness or emergency (validated) an exam may be made up.
- HANDOUTS: Numerous handouts will be given to supplement your text. Such materials can and will be used in quizzes and exams.

CHAMINADE UNIVERSITY Bi 352 L- Embryology Lab Instructor N. Chee

MANUAL: Mathews, Willis W.' 5th ed. ATLAS OF DESCRIPTIVE .

Appendix EMBRYOLOGY. MacMillan

Tex T- Appendix EMBRYOLOGY. MacMillan 1 - Chick and handouts					
Week	Date	ASSIGNMENT Rema		Remarks	
1	8/30	NO LAB			
	9/6	Lab #1: Chap. 2 - Gar Chap. 3 - Ech plus: (1) cat ovary, (2) Graafian f Corpora 1	ninoderm rat testis Follicle	Ascaris Echinoderm	
3	913	Lab #2 - Chap. 6 -Avia (1) Begin Chick, Sta (prestreak, 1 24 hr)	n developmen ges <b>1-</b> £	nt Up to 5=somite QUIZ #1 <b>Hdout#1</b>	
4	9/20	Lab #3: Stage 9-11 (33 hr)		Up to 11-somite QUIZ #2 Hdout #2	
5	9/27	Lab #4: (48 Stage 12-15 hr.,2 da.	approx.)	Up to 13 #3 somite Handout QUIZ #3	
6	10/4	MIDTERM - up thru 48 h	r (covered)		
7	10/11	Lab #6: Stage 16 to 1 (72 hr, appro		NO QUIZ Handout #4	
8	10/18	Lab #7: Stage 20 (96 hr.approx	:)	QUIZ #4	
9	10/25	Lab #8: Catch up -chi	ck slides		
10	11/1	<b>Lab</b> #9: Begin Ch. 5 Up thru gastr		QUIZ 5	
11	11/8	Lab #10: Up thru tail	.bud		
12	11/15	Lab #11•. 6/7 mm. tadp	ole		
13	11/22	OPEN LAB			
14	11.29	OPEN LAB			
15	12/6	LAB FINAL - comprehens	ive		
Tentativ	ve Lab grading Midterm Final 5 quizzes	schedule 120 pts 140 50 10 total	A = 270 B = 240 C = 200 D = 150		

50 10 total

Bi 352 - Embryology

Fall 2000

Instructor N. Chee TENTATIVE LECTURE SCHEDULE....

TEXT: Carlson, Bruce M. 6th ed. <u>Patten's Foundation of Embryology</u>

MANUAL: Mathews, Willis W. 5th ed. Atlas of Descriptive Embryology MacMillan Publ. Co.

Appendix 1 of your text: <u>Development of Chick</u>
<u>Embryo from 18 hrs. to 4 da.</u> incubation

Week	<u>Date</u>	Assignment	Remarks		
1	8/29, 8/31	Ch. 1 - Overview Ch.2 - Reproductive Organs			
		Ch. 3 - Gametogenesis Ch. 4 - Fertilization	QUIZ #1		
3	9/12, 9/14	Ch. 5 - Cleavage, Blastulation Ch. 6 - Gastrulation	QUIZ #2 TAKE HOME QUES. FOR EXAM #1		
4	9/19, 9/21 LECTURE EXAN	Ch. 7 - Neurulation #1 - thru Ch. <b>7(covered)</b>	FOR EARN #1		
5	9/26, 9/28	Ch. 8 - Extraembryonic Membranes	NO QUIZ		
6	10/3, 10/5	Ch.9 - Body Plan Ch. 10 - Muscles, Skeleton	QUIZ #3		
7	10/10, 10/12	Ch.11 - Skin Ch. 12 - Limb Development	QUIZ #4 QUES.FOR EXAM#2		
8		Ch. 13 - Nervous System #2 - thru Ch. 13 (covered)			
9	10/24, 10/26	Ch. 14 - Neural Crest	NO QUIZ		
10	10/31, 11/2	Ch. 15 - Sense Organs	QUIZ #5		
11	11/7, 11/9	Ch. 16 - Head/Neck	QUIZ #6		
12	11/14, 11/16	Ch. 17 - Digestive/Respiratory	QUES. FOR EX.#;		
13	11;'21	LECTURE EXAM #3 - thru Ch.17(co	overed)		
	THANKSGIVING BREAK				
14	11/28, 11/30	Ch. 18 - Urogenit <b>al</b>	NO QUIZ		
15	12/5, 12/7	Ch. 19 - Circulatory	NO QUIZ		

## FINALS WEEK BEGINNING 12/11....

You may drop one of the three lecture exams. Grades will be based on  $2 \times 1 = 200 \text{ pts.}$ , 7 quizzes = 70 ps., 1xfinal =140. (1/4th total bonus points added to final score)
A= 360, B= 320, C=260, D= 200 pts.