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WP.

AQUATIC SURVEYS

FOR 328

REVISED: August 1983, Valerie Walker

BIOLOGY 306-8

AQUATIC SURVEYS

Laboratory Outline

Lab 1	Sept. 2	- Introduction to course - Aquatic Surveys Gear - Purpose of Aquatic Surveys
2	Sept. 9	- Fish Anatomy - <u>QUIZ</u> - Field Notes/Field Exercise Review - Fish Handling, Vital Statistics - Video
3	Sept. 16	
4	Sept. 23	- Anderson Bay Survey
5	Sept. 30	
6	Oct. 7	
7	Oct. 14	- Free Lab for Physical Features Map/Minnow Forms etc.. - Contour Map <u>QUIZ</u>
8	Oct. 21	- Stream Survey
9	28	
10	Nov. 4	- Free Lab for Stream Survey completion - Invert Categorization - <u>TERM TEST #1</u>
11	Nov. 11	- Game Fish ID - <u>QUIZ</u>
12	Nov. 18	- Aquatic Plant & Invert ID - <u>QUIZ</u>
13	Nov. 25	- Zooplankton
14	Dec. 2	- Aging Lab, creel census design
15	Dec. 9	- <u>TERM TEST #2</u>

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STUDENT EVALUATION

A. Term Tests

A total of two term tests will be written based on practical field work, laboratory exercises and/or guest lecturer material.

Term Test #1 will have a total value of 25 marks. Term Test #2 has a value of 30 marks.

Student must have an average mark of 60% for both term tests. Those students receiving less will be required to write a make-up test during a rewrite period.

B. Quizes

Several quizzes will be written during the laboratory sessions. A pass mark is 60% for each quiz, however 100% of Ontario's game fish must be correctly identified.

C. Assignments

An aquatic invertebrate collection is required by each student for a value of 15 marks. Lake and stream survey forms, maps and field notes will be submitted at specified times for a total value of 40 marks (see summary of student evaluation and deadlines).

D. Discretionary

A total of 10 marks will be allotted at the instructor's discretion. Students will be evaluated on the basis of attitude, attendance, general participation and interest.

Students will receive a mark based on a grand total of 150 (see summary of student evaluation)

A pass mark for the course is 60%. Attendance during field trips and labs is MANDATORY. Students missing these without documented reason will risk repeating the course.

BIOLOGY 306-8

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SUMMARY OF STUDENT EVALUATION & DEADLINES

	<u>VALUE</u>	<u>DEADLINE/DATE</u>
Fish Anatomy Quiz	5	Sept. 9
Aquatic Collection	15	Sept. 30
Lake Contour Map	15	*2 wks. after transects are run in the field
Contour Map Test	5	Oct. 14
Remaining Lake Survey Forms/Maps	10	Oct. 17
Field Notes	5	Oct. 17
Term Test #1	25	Nov. 4
Stream Survey Forms/Maps	10	Nov. 7
Game Fish ID	10	Nov. 11
Aquatic Plants & Inverts	10	Nov. 18
Term Test #2	30	Dec. 9
Discretionary	10	
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	total	150

Late Assignments

Ten percent (10%) will be deducted from the total value of the assignment for every day late.

TEXTS

Dodge, D.P. et al 19__ . Manual of Instructions,
Aquation Habitat Inventory Surveys. Fish. Br.,
Ont. Min. of Nat. Res. pp. 159

Scott, W.B. and E.J. Crossman. 1973. Freshwater Fishes
of Canada. Fish. Res. Bd. Can., Bull. 184:966