LOCATION Upper Iowa University --Waterloo Center

COURSE INDENTIFICATION General Biological Science, BIO 100, 3 credits
This course presents the basic concepts of biology. It is a practical course for the understanding of modern biological problems and their solutions. Non-laboratory.

TERM INFORMATION Term 4 May 6- June 27, 2002
Session I 5:30-7:45 P.M.

INSTRUCTOR INFORMATION Mr. Brent D. Seegers, MNS
1-877-415-5391
email **info@tukes.net**
webpage www.tukes.net

BIOGRAPHY Brent D. Seegers is a past naturalist, herptoculturist herpetologist, author, and has a masters degree in Biology from Southeast Missouri State University. Presently he is the owner of Tukes.

TEXT World of Biology 5th edition, Solomon,

OBJECTIVES After completing this course, students will:
-have a better understanding of the organic compounds.
-gain a greater knowledge of cell biology
-be introduced to key concepts of biology
-have a greater appreciation for evolution.
-be able to solve simple genetic problems
-understand classification of species
-be introduced to ecological concepts

READINGS

Week 1	Introduction, Explain syllabus and class requirements, Scientific Method, Basic Biological Concepts, Student Discussions Start. Chapter 1
Week 2	Cell Biology, Chemistry of Life, Discussions. Chapter 4-5
Week 3	**Test 1** Energy Flow and Photosynthesis, Cell Division, Discussions Chapter 7-16
Week 4	Genetics, Evolution, Discussions, Chapter 12-19
Week 5	**Midterm** Classification, Discussions, Chapter 20-25
Week 6	Plant and Animal Structure and function, Discussions Chapter 26-30
Week 7	Animal Structure, Behavior, Discussions Chapter 30-43

Week 8 Ecology, Ecosystems, Discussions, Chapters 44-45
Final

EXAMS

Tests for the course will occur on Tuesday or Thursday during weeks 3, 5, and 8 of Term 4 Tests may consist of short answer, multiple choice, essay and matching. The final will be cumulative with an emphasis on key material presented in the course.

ASSIGNMENTS

Students will be responsible for leading one classroom discussion during the semester. This assignment consists of researching a particular species and completing a two-page paper. Students are responsible for providing a summary to fellow students. Other Assignments will be announced during the term.

Class meetings will consist primarily of lectures and discussions. Students are encouraged to ask questions. Course material may be augmented by guest speakers, labs, audio, and video aids.

ATTENDANCE

Learners are strongly encouraged to attend class on a regular basis. Test material may be drawn from classroom lectures and discussions. Class participation may be used as a component of the final grade.

GRADING CRITERIA

Course work will be weighted as follows:

Test 1-	25%
Mid-term-	25%
Final-	25%
Assignments	25%

Final grades for the course will be given according to the following scale:

A	=	90-100%
B	=	80-89%
C	=	70-79%
D	=	60-69%
F	=	0-59%

No extra credit will be available

MISSED ASSIGNMENTS OR EXAMS

No make-up of tests or assignments will be granted without prior approval from the instructor.