9-12-2000

BIOL 4191 Course Proposal 09/12/2000

Curriculum Committee

UMM ACADEMIC AFFAIRS COURSE PROPOSALS	***Form NC:*** ***New Course Proposal***	FORM NC (2/00)

Discipline:	Biology	**Form NC #:**	3	**Date:**	12 September

I. Give *complete* UMM catalog entry (see instructions).

Biology 4191f. Freshwater Biology (Sci-L; 4 cr; prereq 2101, 2111 or #; offered even-numbered years)

Introduction to the structure, function, and biota of freshwater ecosystems, including lakes, streams and wetlands. Lab emphasizes independent research and field study in local habitats. (two 65 minute lectures, one 180 minute lab; weekend field trip required)

II. Rationale (see instructions):

This new course is the only course in the discipline that focuses on aquatic organisms/ecosystems. It also provides an additional ecologically-based elective course in the Biology Discipline. This course has been offered twice previously as a Variable Topics in Advanced Biology, and is now being proposed as a regularly scheduled, standard biology elective.

III. Other Course Information

First semester to be offered:	Fall 2002
Principal Faculty Sponsor(s):	Tracey Anderson
Is course repeatable? (if yes, give max cr)	no
To what quarter course(s) does this correspond?	none
Course Type (choose one from instruction sheet):	Lecture

Course requires:(check all that apply):	X	**Laboratory sections**		**Recitation/discussion sections**

IV. Assessment Information

Please state clearly and briefly the GOALS of this course.

Students will develop an understanding of the structure and function of lakes, streams, and wetlands. Through field-based lab exercises and independent research they will be able to identify local aquatic fauna and collect, analyze and present scientific data.

How will you ASSESS the success of this course in achieving the GOALS described above?

Student achievement will be assessed based on their performance in class discussions, midterm exams and a final exam. Additionally, students will present and interpret the results of their investigations in short lab write-ups, formal scientific reports, and oral presentations.

Regular Approval Process:

For *long-term* approval, curricular change forms must go through the following *regular* approval process (put check in box and date when approved):

	Date	**Step #**	
X	9/20/00	1)	Discipline approves (sends hard copy and electronic copy of proposal to

			#2)
X	9/28/00	2)	Division approves (Division Chair sends proposal to #3)
		3)	Curriculum Committee approves (sends proposal to #4)
		4)	Campus Assembly approves. (New courses become effective immediately following Campus Assembly approval.)