

The University Senate of Michigan Technological University

Proposal 17-14

(Voting Units: Academic)

“Reinstate Ecology Concentration for the B.S. in Biological Sciences”

Fall 2014

Rationale:

We are proposing the reinstatement of the Ecology concentration within the Biological Sciences degree program. The concentration was originally shelved because many of the courses were not being offered due to attrition of ecology-related faculty. Based on administrative initiatives to eliminate programs with low enrollment, we reduced the number of concentrations within the department from eight to three. With the addition of ecology faculty in the past three years, new courses are now being offered that round out the course listing and once again make it a viable program. With the development of the Great Lakes Research Center, it also is appropriate to have a degree program that provides an option for students that are interested in aquatic biology and ecology. A majority of the students that are currently in the Biological Sciences with General Biology concentration are self-identifying as pursuing careers in ecology or aquatic biology. The newly revised Ecology concentration will provide more pertinent course work for these students than the current General Biology concentration as well as help with marketing the biological science program to new students. We are also in the process of developing an accelerated master's degree program that would build on the Ecology concentration. In addition, we will discuss with faculty in the School of Forest Resources and Environmental Science ways to offer inter-unit programs in ecology in the near future.

Curriculum Changes Since Being Shelved:

Changes have been made to the Degree Audit; See attached file. Two courses are new BL4442 (4 credits) and BL4447 (4 credits). These have already been submitted to the binder process.

The distribution of credits has changed slightly, but the total credits remains at 128.

Planned Implementation Date:

Fall 2014

Major Program: Biological Sciences
 Concentration: Ecology
 Program Code: SBL3UG

Name: REINSTATE *needs senate proposal*
 ID#: FOR 2014-15 *for reinstatement*
 Expected Graduation Term: _____

Major Requirements
(SBL3MAJR)

Course Number	Credits (53-59)	Course Status Code M, R, P, WVD, SUB*
BL 1010	4	
BL 1020	4	
BL 2100	3	
BL 2200	3	
BL 3190	3	
BL 3400	4	
BL4510 OR 4000/4001 + BL4530 (3)	2 + 5	
CH 1110	4	
CH 1111	1	
CH 1120	4	
CH 2410	3	
CH 2411	1	
CH 2420	3	
CH 2421	2	
MA 1135 OR (MA 1161 and MA2160)	4/9	
PH 1110 OR PH 2100	3	
PH 1111 OR PH 1100	1	
PH 1210/2200 PH 1200	3 1	
Credits Subtotal		

Concentration Requirements
(SBL3CON)

Course Number	Credits (20-25)	Course Status Code M, R, P, WVD, SUB*
BL 1580	1	
BL 4470	4	
Choose 2 of the following:		
BL 2160	4	
BL 2170	4	
BL 3210	4	
BL 4740	3	
Choose 3 of the following: 8-11 cr. 12-15 cr.		
BL 4010	3	
BL 4090	2	
BL 4130 BL4461	3	
BL 4430 BL4465	3	
BL 4451 BL5451 x 3	3	
BL 4810 FW3540 x 4	4	
BL 5680 FW4220	4	
BL 5681 FW4260 x 3	3	
FW 3020	3	
FW 3610	4	
FW 4240	4	
FW 4610	3	
BL 4033	3	
BL 4120	3	
BL 4440	4	
BL 4450	4	
BL 4455	2	
FW 4260	3	
Credits Subtotal		

BL4442 - 4
 BL4447 - 4

* M-Passed with valid grade, transfer, or Adv. Placement credit, Registered in course; Plan to take in future, WVD-Waived course or credit (does not reduce total degree credits required), SUB-Petitioned as substitute course.

Introduced to Senate: 19 February 2014
 Approved by Senate: 05 March 2014
 Approved by Administration: 16 March 2014