ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)

All proposals MUST have their originating college faculty body (Ex. Nursing, Technical Sciences, Arts & Sciences, Education) **approval and must be signed by the submitter and the college chair/dean before being submitted to the academic senate secretary.**

1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator when a proposal is disapproved and the proposal is returned to the originator.
4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
5. The Full Faculty considers academic senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
7. The Chancellor approves or disapproves the proposal.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page -- http://www.msun.edu/admin/provost/asproposals.htm

Documentation and forms for the curriculum process is also available on the web page: http://www.msun.edu/admin/provost/asforms.htm

*****(If a proposal is disapproved at any level, it is returned through the Academic Senate secretary to the Chair/Dean of the submitting college who then notifies the originator.)**

Proposal # 03-39 **Title:** College Program Revisions

(proposal explanation, submitter and college chair/dean signatures on attached program/degree or course revision form)

	Date			
Received by ACAD Senate	3/25/04			
Forwarded to Teacher Ed Council	____	Approved ____	Disapproved ____	
		Signature		Date
Forwarded to Gen Ed Committee	____	Approved ____	Disapproved ____	
		Signature		Date
Returned to ACAD Senate				
Forwarded to Curriculum Committee	3/25/04	Approved ✓	Disapproved ____	
		T. Weiler	3/25/04	
		Signature		Date
Returned to ACAD Senate for Vote	3/26/04	Approved ✓	Disapproved	
		Signature		3/26/04 Date
Sent to Provost's office for Full Faculty vote	3/26/04			
Voted on at Full Faculty meeting	3/30/04	Approved ✓	Disapproved ____	
		Signature		Date
Forwarded to Provost for Approval/Disapproval	4/2/04	Approved X	Disapproved ____	
		Signature		4/4/04 Date
Forwarded to Chancellor for Approval/Disapproval	4/5/04	Approved X	Disapproved	4/5/04
		Signature		Date
Copies sent to originating college and registrar's office	____			

C/data/proposaltracking sheet ACAD 10 10 01

MONTANA STATE UNIVERSITY NORTHERN

College of Arts and Sciences
P.O. Box 7751 • Havre, MT • 59501-7751
Phone (406) 265-3700 • Fax (406) 265-3777

TO: Larry Strizich

FROM: Will Rawn

DATE: March 25, 2004

RE: Biology Revisions 03-39

The change in credits from 3 to 4 credits for BIOL 407 Freshwater Biology would not change the total program credits required for graduation in the Bachelor of Science in Education Degree Teaching Major in General Science (5-12). This course will be one of a number of selectives in that program. With this change those selectives will include five-4 credit courses and eight-3 credit courses.

cc: Sandra Copenhaver

PROCEDURAL SEQUENCE FOR ACADEMIC SENATE APPROVAL OF PROPOSALS

1. Submit all proposals to the Office of Academic Affairs.
2. The Senate President will log items and forward them to the appropriate Senate subcommittees.
3. The Senate subcommittee will send the proposal to the Senate.
4. Senate proposals will be considered by the Full Faculty.
5. If approved, the proposal will then be forwarded to the Vice Chancellor.

Proposals that require action to approve/disapprove/table or remand will be sent back to the Senate according to the monthly meeting schedule.

Biology Program Revisions

SUBCOMMITTEE: _____ **PROPOSAL #:**

PROPOSAL:

1. Drop BIOL 363 - Lentic Ecology (3 credits) and BIOL 364 - Stream Ecology (3 credits).
2. Add a lab component of 1 credit to BIOL 407 - Freshwater Biology, increasing it from 3 to 4 credits and approve it as a laboratory science class.

Action Signatures:

Gregg A. Hester 3/23/04
Submitter Date

College Chair/Dean 3/23/04
College Chair/Dean Date

_____ Approve _____ Disapprove _____ Date
Committee Chair

_____ Approve _____ Disapprove _____ Date
Committee Chair

_____ Approve _____ Disapprove _____ Date
Faculty Senate President

_____ Approve _____ Disapprove _____ Date
Provost/Senior Vice Chancellor for Academic Affairs

Revised: 11/15/99

COURSE REVISION FORM

NEW ____ DROPPED ____ MAJOR REVISION __X__ FOR INFORMATION ONLY ____.

College Arts & Sciences Program Area Biology Date 3/4/04.

Submitter _____ Chair/Dean _____ Date _____
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):

BIOL 363 - Lentic Ecology & Biology 364 - Stream Ecology are being dropped so some of their lab content will be added to BIOL 407 - Freshwater Biology changing course from 3 to 4 credits allowing it to meet the laboratory science requirement.

Please provide the following information:
College: Arts and Sciences
Program Area: Biology
Date: 3/4/04
Course Prefix & No.: BIOL 407

Course Title: Freshwater Biology
Credits: 3 changing to 4
Required by:
Selective in: Biology/Water Quality/ General Science Education
Elective in:
General Education: Will meet lab science requirement.

Lecture:
Lecture/Lab: 4 credit hours
Contact hours lecture: 3 per week
Contact hours lab: 2 per week

Current Catalog Description (include all prerequisites): The focus of this course will be towards examination, identification and classification of a wide variety of freshwater organisms abundant in Montana's aquatic systems. Extensive laboratory work and field trips are required. Graduate credit requirements are described in the syllabus. Prerequisites: basic biology course. This course does not meet the laboratory science requirement.

Proposed or New Catalog Description (include all prerequisites): This course will demonstrate and provide an opportunity for students to develop skills in selected techniques used in the examination, identification and classification of a wide variety of the freshwater organisms that live in Montana's aquatic systems. Extensive laboratory work and field trips are required. Prerequisites: BIOL 140 or BIOL 151 or approval of instructor. This course does meet the laboratory science requirement.

Course Outcome Objectives:

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources. None

PROGRAM/DEGREE REVISION FORM

NEW ___ DROPPED ___ MAJOR REVISION _X_ FOR INFORMATION ONLY ___

College Arts and Science **Program Area** Biology **Date** 3/24/04

Submitter Gregg A. Heste (Signature) **Chair/Dean** Will Dawn (Signature (indicates "college" level approval)) **Date** 3/24/04

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Indicate changes by shading appropriate cells.

OLD PROGRAM

Course Prefix	#	Course Title	Credits Fall	Credits Spr.
		Common Science Core (34 credits)		
BIOL	140	Cell Biology	4	
BIOL	141	Cell Biology Lab	1	
BIOL	221	Botany I	3	
BIOL	222	Botany I Lab	2	
BIOL	348	Zoology	3	
BIOL	350	Zoology I Lab	2	
CHEM	121	General Inorganic Chemistry I	3	
CHEM	122	General Inorganic Chemistry II		3
CHEM	123	General Inorganic Chemistry I Lab	2	
CHEM	124	General Inorganic Chemistry II Lab		2
PHYS	231	Fundamentals of Physics I	3	
PHYS	232	Fundamentals of Physics II		3
PHYS	234	Fundamentals of Physics I Lab	2	
PHYS	235	Fundamentals of Physics II Lab		2
		Required Courses (22 credits)		
BIOL	314	General Ecology	4	
BIOL	468	Molecular Biology & Genetics	4	
CHEM	341	Organic Chemistry I	3	
CHEM	342	Organic Chemistry I Lab	2	
MATH	116	Statistics	3	
NSCI	301	Essence of Science	3	
NSCI	450	Undergraduate Research I	3	
		Program Selectives (12 credits)		
BIOL	217	Microbiology		4
BIOL	241	Anatomy and Physiology I	4	
BIOL	242	Anatomy & Physiology II		4
BIOL	322	Botany II		4
BIOL	324	Entomology		3
BIOL	334	Ornithology		3
BIOL	406	Molecular Biology Techniques		3
BIOL	407	Freshwater Biology	3	
BIOL	410	Field Biology Methods	4	
BIOL	460	Advanced Microbiology	3	
NSCI	451	Undergraduate Research II		3
ESCI	310	Introduction to Paleontology	3	(Summer)
Total Credits:				120

NEW PROGRAM

Course Prefix	#	Course Title	Credits Fall	Credits Spr.
		Common Science Core (35 credits)		
BIOL	140	Cell Biology	4	
BIOL	141	Cell Biology Lab	1	
BIOL	221	Botany I	3	
BIOL	222	Botany I Lab	2	
BIOL	348	Zoology	3	
BIOL	350	Zoology I Lab	2	
CHEM	121	General Inorganic Chemistry I	3	
CHEM	122	General Inorganic Chemistry II		3
CHEM	123	General Inorganic Chemistry I Lab	2	
CHEM	124	General Inorganic Chemistry II Lab		2
PHYS	231	Fundamentals of Physics I	3	
PHYS	232	Fundamentals of Physics II		3
PHYS	234	Fundamentals of Physics I Lab	2	
PHYS	235	Fundamentals of Physics II Lab		2
		Required Courses (22 credits)		
BIOL	314	General Ecology	4	
BIOL	468	Molecular Biology & Genetics	4	
CHEM	341	Organic Chemistry I	3	
CHEM	342	Organic Chemistry I Lab	2	
MATH	116	Statistics	3	
NSCI	301	Essence of Science	3	
NSCI	450	Undergraduate Research I	3	
		Program Selectives (12 credits)		
BIOL	217	Microbiology		4
BIOL	241	Anatomy and Physiology I	4	
BIOL	242	Anatomy & Physiology II		4
BIOL	322	Botany II		4
BIOL	324	Entomology		3
BIOL	334	Ornithology		3
BIOL	406	Molecular Biology Techniques		3
BIOL	407	Freshwater Biology	3	
BIOL	410	Field Biology Methods	4	
BIOL	460	Advanced Microbiology	3	
NSCI	451	Undergraduate Research II		3
ESCI	310	Introduction to Paleontology	3	(Summer)
Total Credits				120

COURSE REVISION FORM

NEW ____ DROPPED __x__ MAJOR REVISION ____ FOR INFORMATION ONLY ____.

College Arts & Sciences Program Area Biology Date 3/4/04.

Submitter Gregg A. Hester Signature Chair/Dean Signature (indicates "college" level approval) Date 3/23/04

Please provide a brief explanation & rationale for the proposed revision(s):

BIOL 363 - Lentic Ecology will be dropped from the catalog. It is no longer a selective in Biology.

Please provide the following information:
College: Arts and Sciences
Program Area: Biology
Date: 3/4/04
Course Prefix & No.: BIOL 363

Course Title: Lentic Ecology
Credits: 3
Required by:
Selective in: Water Quality
Elective in:
General Education:

Lecture: 3
Lecture/Lab:
Contact hours lecture: 3 per week
Contact hours lab:

Current Catalog Description (include all prerequisites): Structure and function of standing-water aquatic systems with emphasis on the ponds and lakes of mountain and prairie locales. Offered alternative years. Prerquisite: BIOL 140 or BIOL 151 or equivalent.

Proposed or New Catalog Description (include all prerequisites): N/A
Course Outcome Objectives:

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources. None

COURSE REVISION FORM

NEW ____ DROPPED __X__ MAJOR REVISION ____ FOR INFORMATION ONLY ____.

College Arts & Sciences Program Area Biology Date 3/4/04.

Submitter Signature Chair/Dean Signature (indicates "college" level approval) Date 3/23/04

Please provide a brief explanation & rationale for the proposed revision(s):

BIOL 364 - Stream Ecology will be dropped from the catalog. It is no longer a selective in Biology.

Please provide the following information:
College: Arts and Sciences
Program Area: Biology
Date: 3/4/04
Course Prefix & No.: BIOL 364

Course Title: Stream Ecology
Credits: 3
Required by:
Selective in: Water Quality
Elective in:
General Education:

Lecture: 3
Lecture/Lab:
Contact hours lecture: 3 per week
Contact hours lab:

Current Catalog Description (include all prerequisites): Structure and function of flowing-water aquatic systems with emphasis on the creeks and rivers of mountain and prairie locales. Offered alternative years. Prerquisite: BIOL 140 or BIOL 151 or equivalent.

Proposed or New Catalog Description (include all prerequisites): N/A
Course Outcome Objectives:

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources. None