

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 # <u>02-38</u>	Title: Revision in the General Science-Teaching Degree Program
-------------------------	---

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

Received by ACAD Senate Forwarded to Teacher Ed Council	Date <u>4/13/03</u> <u>4/4/03</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> Signature <u>[Signature]</u> Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____
Forwarded to Gen Ed Committee	_____	Signature _____ Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____
Returned to ACAD Senate Forwarded to Curriculum Committee	<u>4/21/03</u> 4/21/03 <u>4/21/03</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> Signature <u>[Signature]</u> Date <u>4/22/02</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____
Returned to ACAD Senate for Vote	<u>4/22/03</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> Signature <u>[Signature]</u> Date <u>4/22/03</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____
Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting	<u>4/23/03</u> <u>4/29/03</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> Signature <u>[Signature]</u> Date <u>4/29/03</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____
Forwarded to Provost for Approval/Disapproval	MAY 18 2003	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> Signature <u>[Signature]</u> Date <u>5/2/03</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____
Forwarded to Chancellor for Approval/Disapproval	MAY 22 2003	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> Signature <u>[Signature]</u> Date <u>5/22/03</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Signature _____ Date _____

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.

TITLE: Revision in the General Science-Teaching Degree Program

SUBCOMMITTEE: _____ PROPOSAL #: _____

PROPOSAL:

1. This proposal is to add courses to the program selective list that mirrors those proposed in the new revision of the biology program and to remove classes from the General Science program no longer taught for the biology program.

Action Signatures:

<u>Carol A. Raphael</u>	<u>4-4-03</u>	<u>[Signature]</u>	<u>3.03</u>
Submitter	Date	College Chair/Dean	Date
_____	_____	Approve _____ Disapprove _____	Date _____
Committee Chair	_____	Approve _____ Disapprove _____	Date _____
_____	_____	Approve _____ Disapprove _____	Date _____
Committee Chair	_____	Approve _____ Disapprove _____	Date _____
_____	_____	Approve _____ Disapprove _____	Date _____
Faculty Senate President	_____	Approve _____ Disapprove _____	Date _____
_____	_____	Approve _____ Disapprove _____	Date _____
Provost/Senior Vice Chancellor for Academic Affairs	_____	Approve _____ Disapprove _____	Date _____

PROGRAM/DEGREE REVISION FORM

Date 3 -10-03

NEW DROPPED MAJOR REVISION X FOR INFORMATION ONLY

Submitter

Carol A. Reppman
Chair/Dean
signature

[Signature]
signature

Date 4-4-03

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

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

Bachelor of Science in Education Degree Teaching major in General Science
No Minor Required

FRESHMAN YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	140 Cell Biology		4
BIOL	141 Cell Biology Lab		1
CHEM	121 General Inorganic Chemistry I		3
CHEM	123 General Inorganic Chemistry I Lab		2
ENGL	111 Written Communication I		3
MATH	112 College Algebra		3
CHEM	122 General Inorganic Chemistry II		3
CHEM	124 General Inorganic Chemistry II Lab		2
CIS	110 Introduction to Computers		3
ENGL	112 Written Communication II		3
SPCH	141 Fundamentals of Speech		3
	OR		
SPCH	142 Interpersonal Communication		3
	Elective		3
TOTALS		16	17

FRESHMAN YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	140 Cell Biology		4
BIOL	141 Cell Biology Lab		1
CHEM	121 General Inorganic Chemistry I		3
CHEM	123 General Inorganic Chemistry I Lab		2
ENGL	111 Written Communication I		3
MATH	112 College Algebra		3
CHEM	122 General Inorganic Chemistry II		3
CHEM	124 General Inorganic Chemistry II Lab		2
CIS	110 Introduction to Computers		3
ENGL	112 Written Communication II		3
SPCH	141 Fundamentals of Speech		3
	OR		
SPCH	142 Interpersonal Communication		3
	Elective		3
TOTALS		16	17

SOPHOMORE YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	221 Botany I		3
BIOL	222 Botany I Lab		2
EDUC	100 Foundations of Education		3
HPE	235 Principles of Health Education/Substance Abu		3
PHYS	231 Fundamentals of Physics I		3
PHYS	234 Fundamentals of Physics I Lab		2
EDPY	215 Introduction to Education Psychology		3
ESCI	204 Physical Geology		4
PHYS	232 Fundamentals of Physics II		3
PHYS	235 Fundamentals of Physics II Lab		2
PSYC	205 Human Growth & Development		3
	Dist Req Area A		3
TOTALS		16	18

SOPHOMORE YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	221 Botany I		3
BIOL	222 Botany I Lab		2
EDUC	100 Foundations of Education		3
HPE	235 Principles of Health Education/Substance Abu		3
PHYS	231 Fundamentals of Physics I		3
PHYS	234 Fundamentals of Physics I Lab		2
EDPY	215 Introduction to Education Psychology		3
ESCI	204 Physical Geology		4
PHYS	232 Fundamentals of Physics II		3
PHYS	235 Fundamentals of Physics II Lab		2
PSYC	205 Human Growth & Development		3
	Dist Req Area A		3
TOTALS		16	18

JUNIOR YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	314 General Ecology		4
BIOL	348 Zoology		3
BIOL	350 Zoology Lab		2
EDUC	321 Integrating Technology into Education		1
ESCI	115 Foundations of Earth Science		4
	Dist Req Area B		3
	Electives		2
ESCI	315 General Hydrology		3
EDUC	300 Introduction to Curriculum Planning and Practice		3
EDUC	445 Teaching Reading, Writing, and Critical.		2
	Dist Req Area B		3
	Selective		3
TOTALS		19	14

JUNIOR YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	314 General Ecology		4
BIOL	348 Zoology		3
BIOL	350 Zoology Lab		2
EDUC	321 Integrating Technology into Education		1
ESCI	115 Foundations of Earth Science		4
	Dist Req Area B		3
	Electives		2
ESCI	315 General Hydrology		3
EDUC	300 Introduction to Curriculum Planning and Practice		3
EDUC	445 Teaching Reading, Writing, and Critical.		2
	Dist Req Area B		3
	Selective		3
TOTALS		19	14

SENIOR YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	425 Methods of Teaching Secondary Science		2
EDPY	350 The Education and Psychology of Exceptiona		3
EDUC	376 Assessment in Education		2
EDUC	455 Advanced Practicum in Education		3
	Selective		3
	Dist Req Area A		3
	Dist Req Area D		3
EDUC	450 Secondary Teaching Practicum & Seminar		12
TOTALS		19	12

SENIOR YEAR		Fall	Spr
Courses to be taken Fall/Spring Semester			
BIOL	425 Methods of Teaching Secondary Science		2
EDPY	350 The Education and Psychology of Exceptional		3
EDUC	376 Assessment in Education		2
EDUC	455 Advanced Practicum in Education		3
	Selective		3
	Dist Req Area A		3
	Dist Req Area D		3
EDUC	450 Secondary Teaching Practicum & Seminar		12
TOTALS		19	12

TOTAL CREDIT REQUIRED FOR DEGREE 128

TOTAL CREDIT REQUIRED FOR DEGREE 128

Program Selectives 12 Credits

		Fall	Spr
BIOL	322 Botany II		4
BIOL	324 Entomology	3	
BIOL	334 Ornithology		3
BIOL	363 Lentic Ecology		3 Remove
BIOL	364 Stream Biology		3 from
BIOL	455 Phycology		3 program
BIOL	468 Molecular Biology & Genetics	4	
ESCI	310 Introduction to Paleontology	3	

Program Selectives 12 Credits

		Fall	Spr
BIOL	217 Microbiology		4
BIOL	241 Anatomy & Physiology I	4	
BIOL	242 Anatomy & Physiology II		4
BIOL	322 Botany II		4
BIOL	324 Entomology	3	
BIOL	334 Ornithology		3
BIOL	407 Freshwater Biology	3	
BIOL	4XX Field Biology	3	
BIOL	406 Molecular Biology Techniques		3
BIOL	460 Advanced Microbiology	3	
NSCI	450 Undergraduate Research I	3	
NSCI	451 Undergraduate Research II		3
ESCI	310 Introduction to Paleontology	3	

typo

COURSE REVISION FORM

NEW X DROPPED _____ MAJOR REVISION _____ FOR INFORMATION ONLY _____

College Arts & Science Program Area Biology and General Science Secondary Education Date 04/02/03

Submitter C. A. Repchner Chair/Dean W. Ramm Date 4-4-03
 Signature Signature (indicates "college" level approval)

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

Proposal to introduce BIOL 4XX, Field Biology, as a selective for the Biology and General Science Secondary Education programs.

Please provide the following information:

Original included w/ Biology program revisions proposal 02-37

College: Arts & Sciences
Program Area: Biology and General Science Secondary Education
Date: 12/09/02 **Resubmitted:** 04/02/03
Course Prefix & No.: BIOL 4XX

Course Title: Field Biology Methods
Credits: 4

Required by:

Selective in: BS degree Biology and BS degree General Science Secondary Education
Elective in: many degrees
General Education: none

Lecture:

Lecture/Lab: 4
Contact hours lecture: 3
Contact hours lab: 1

Current Catalog Description (include all prerequisites):
 none

Proposed or New Catalog Description (include all prerequisites):

This course provides experience in using various ecological techniques to measure certain parameters of populations of organisms found in Montana. The course emphasizes careful observation and measurement and allows students to develop an understanding of using statistical methods and demographic data to interpret biological processes and population trends.

The course will include such topics as using taxonomic keys, reviewing and evaluating technical literature, habitat surveys, population census methods and others. Prerequisite: BIOL 151 or BIOL 314 or BIOL 348 or consent of the instructor.

Course Outcome Objectives:

The student will develop skills in applying both field and statistical methods in measuring and interpreting biological processes and trends in populations of select organisms.

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources. Minor equipment that will be purchased with lab fees.