

ACADEMIC SENATE PROPOSAL TRACKING SHEET
(Document To Be Originated by the Academic Senate Secretary On Canary Color Paper)

Proposal # 23-57	Title: Course Revisions for BIOB 101
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(Proposal explanation, submitter and college dean signatures on attached program/degree or course revision form.)

All proposals MUST have their originating college faculty body (Arts, Sciences & Education; Health Sciences; Technical Sciences) approval and must be signed by the submitter and the college 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 or General Education Inclusion form) to the Academic Senate Secretary. **NOTE: Level 1 or Level 2 forms must be submitted concurrent with this proposal where applicable. For Education proposals, PEU approval must be received prior to forwarding the proposal to the Senate.**
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): General Education (if applicable), or Curriculum. A digital copy of the proposal will be linked on the Academic Senate Proposal page by the Academic Senate Secretary.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is returned to the Academic Senate Secretary for forwarding to the next committee. If a committee disapproves the proposal, the committee will provide written rationale to the originator, via the Academic Senate.* The originator may request that the item be forwarded to the next body for consideration. Upon completion of subcommittee action, the proposal will be returned to the Academic Senate Secretary for consideration at the next Academic Senate meeting.
4. The Academic Senate considers the proposal and recommends approval or disapproval. If approved, the proposal is forwarded to the Provost for consideration within 10 working days. If the Academic Senate disapproves the proposal, the Academic Senate will provide written rationale to the originator. * The originator may request that the item be forwarded to the Full Faculty for consideration, utilizing procedures set forth in the Senate Bylaws.
5. Approved proposals will be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor. From this point forward, the Provost's Administrative Assistant will update the Proposal page on the website by contacting the webmaster.
7. The Chancellor approves or disapproves the proposal.
8. If approved, the proposal will then either be implemented or referred to MSU for further action. The tracking page on the Provost site will be updated as required.

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/senate/proposals.htm>

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

*** If a proposal is disapproved, it is returned to the Dean of the submitting college who then notifies the originator.**

See back for tracking form

	Date	Action Taken	Signature	Date	Comments/Reason for Disapproval	Sent to	Date	Transmittal E-mail sent
Received by Senate Secretary		Tracking form initiated	<small>DocuSigned by:</small> Brittany Garden	6/7/2024				
General Education Committee (if applicable)		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>Signed by:</small> Casey Donovan	10/8/2024	Curriculum Approved (Not Gen Ed)			
Curriculum Committee (if applicable)		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
Academic Senate		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>DocuSigned by:</small> Valerie Guyant	10/9/2024	NA			
Provost		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	Brittany Garden	10/10/24				
Chancellor		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	Stephanie O'Keefe	10.15.2024				
MSU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	N/A					
BOR		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	N/A					
NWCCU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
Provost		Advise originating college and Academic Senate of status. Update Web page.						
Registrar		Catalog/Policy Manual Update						

NOTE: The secretary of the Academic Senate will update the Academic Senate Proposal web page from initial receipt until the proposal reaches the Provost. The Provost's Administrative Assistant will ensure that the current status of each proposal is maintained on the Academic Senate Proposal web page from that point forward.

Academic Senate Form 1 (Revised 4/4/2023)

COURSE REVISION FORM

NEW _____ DROPPED _____ MAJOR REVISION x _____ FOR INFORMATION ONLY _____

- For purposes of this form, "For Information Only" should be used for catalog description or objective changes ONLY

College CASE _____ Program Area BIOLOGY _____

Submitter Kyra Kaercher _____ Dean Beth Duvoye Date 4-24-24
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Making the BIOB 101: Discovering Biology 3 credits and BIOB 102: Discovering Biology Lab 1 Credit. This will match other schools in the Montana System. I am also rewriting the course objectives, to give a better idea of what is taught in this course.

Please provide the following information:

Course Prefix & No.: BIOB 101

Current Course Title: Discovering Biology

Proposed Course Title (when applicable):

Current # of Credits: 4

Proposed # of Credits (when applicable): 3

[please specify degrees]:

Required by:

Selective in:

Elective in:

General Education Category: Cat II

Lecture: 3

Lecture/Lab:

Gradable Lab:

Lecture contact hours per week: 3

Lab contact hours per week:

Current Catalog Description (include all prerequisites):

An introduction to biology, including chemical principles; cell structure and function; classification and characteristics of bacteria, protists, fungi, plants, and animals, and such ecological concepts as ecosystems, energy relationships, cycles, succession, and populations. Concurrent enrolment in BIOB 102 Lab is required

Proposed or New Catalog Description (include all prerequisites):

An introduction to biology, including chemical principles; cell structure and function; classification and characteristics of bacteria, protists, fungi, plants, and animals, and such ecological concepts as ecosystems, energy relationships, cycles, succession, and populations. Co-requisite: BIO 102. This course does meet the laboratory science requirement.

Course Outcomes/Objectives:

- understand and use the vocabulary of scientific terminology used in biology.
- demonstrate the knowledge and skills that are associated with a biologically literate citizen.
- understand how the literature advances science by the scientific method.
- demonstrate an understanding the basic principles of chemical, molecular and cellular biology, genetics and evolution and the diversity of life on earth.
- understand the basic principles of evolution and how this process shaped past and present life. understand the relationship between biological knowledge and your ability to survive in the modern world, to raise healthy children, to contribute to societal/governmental decisions now and in the future.
- chapter-specific objectives can be found on the first page of each chapter in the text.

Course Outcomes/Objectives (Updated):

- Explain the nature of science by describing scientific processes and scientific methods.
- Describe the characteristics of life.
- Explain the levels of biological organization and the emergent properties of life by describing the chemical, cellular, organismal, and ecological nature of life.
- Explain the bioenergetics involved in living cells by describing enzyme activity, cellular metabolism, cellular respiration, protein synthesis and photosynthesis.
- Explain the importance of reproduction in maintaining the continuity of life by describing mitosis and meiosis, as well differentiation, development, and the various reproductive strategies.
- Explain classical and molecular genetics with regard to their connection in explaining the unity and diversity of life.
- Describe the main components of evolution and how it accounts for the unity and diversity of life.
- Describe the importance of Earth's biodiversity.

Please note additional instructional resources needed, if any (including library materials, special equipment, and facilities). Approval does not indicate support for new faculty or additional resources.

Updated 4/4/2023