

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

<b>Proposal #</b> 23-37	<b>Title:</b> Dual List BIOC 335 as Grad Credit (BIOC 535)
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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	1/5/2024	Tracking form initiated	<small>DocuSigned by:</small> Brittany Garden	1/5/2024		Sent to Curriculum Committee	1/5/2024	DocuSign
General Education Committee (if applicable)		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
Curriculum Committee (if applicable)	2/9/2024	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>DocuSigned by:</small> Casey Donovan	2/9/2024				
Academic Senate	2/25/2024	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>DocuSigned by:</small> Valerie Guyant	2/25/2024				
Provost		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>[Handwritten Signature]</i>	6/10/24				
Chancellor		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>[Handwritten Signature]</i>	6-11-2024				
MSU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	N/A					
BOR		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
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.



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 Arts, Sciences & Education Program Area **Biology (B65)**

Submitter Terri Hildebrand, Ph.D.  
Signature

Dean Beth Dunsdyke Date 4-5-24  
Signature (indicates "college" level approval)

*undergraduate  
graduate level*

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

**This proposal seeks approval to dual list an upper division course with new learning outcomes that build on the lower division Rocky Mountain Flora Lecture (BIOO 335). It also provides a new course description for the upper division Rocky Mountain Flora Lecture.**

**Course Prefix & No.:** BIOO 535  
**Current Course Title:** Rocky Mountain Flora Lecture  
**Proposed Course Title (when applicable):**

**Current # of Credits:** 3  
**Proposed # of Credits (when applicable):** 3  
**[please specify degrees]:**

**Required by:**  
**Selective in:**  
**Elective in:** Biology – Ecology and Conservation Biology Track

**General Education Category:**

**Lecture:**  
**Lecture/Lab:** 3/0  
**Gradable Lab:**  
**Lecture contact hours per week:** 3  
**Lab contact hours per week:** 2  
**Current Catalog Description (include all prerequisites):**

**Proposed or New Catalog Description (include all prerequisites):** This course delves deep into the flora of regional Montana landscapes, including grasslands, mountain islands, aquatic systems, and mountainous ranges. It specifically extends the lower division course with a broader focus on ecological and human impacts to plant diversity. Climate change, and its effect on vegetation, is emphasized. Mitigation of potential impacts is discussed and students propose actions expected to reduce these impacts. Prerequisites: BIOB 160/161 Principle of Living Systems Lecture and Lab. Corequisite: BIOO 536 Rocky Mountain Flora Lab

**Course Outcomes/Objectives:**

1. Investigate plant diversity and evolution as it currently occurs in Montana landscapes.
2. Describe ecological and human impacts on plant communities.
3. Explore peer-reviewed literature that relate to the evolutionary mechanisms that drive changes in Rocky Mountain ecosystems.
4. Describe how climate change effects plants that grow in regional landscapes, including possible changes in distribution and extinction.
5. Develop a mitigation plan for a local plant species of concern.

**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.**

A need for additional instructional resources is not anticipated.