**Curriculum Proposal**

Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

| College: Science, Engineering and Technology | Proposal #: 328 |
| Department: Biological Sciences | Effective Date of Change: Oct 2021 |
| Program: Undergraduate | Academic Year: 2021-2022 |
| Type of Change: COURSE PROPOSALS | (For Office Use Only) |
| Proposed: Change In Course—Other |

| Course Designator | Number of Credits |
| Biol 301 | 2 |
| Biol 301 | 2 |

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):
Evolution is a unifying theory of biology. Students are provided the history of evolutionary thought and the Darwinian revolution, evidence for evolution, mechanics of evolution, and an array of special topics such as speciation, molecular evolution, conservation, and extinction. Readings will include book chapters and journal articles. Lecture/discussion.

Prerequisites: BIOL 105W, 106, and 211

**Rationale or Justification for change:**

We are adding Biology 211 Genetics to the prerequisites because we found that students need a better understanding of genetics than the introduction they currently receive in Biology 105 and 106.

### ***For General Education or Cultural Diversity Courses Only***

- **General Education Course:**
  - GE Category Name (Maximum of 3 Categories)
  - N/A

- **Cultural Diversity Course:**
  - (Please check one.)
  - Core (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.)
  - Related (At least 25% devoted to the above topics or to a global perspective on topics related to African American, Asian, Hispanic, and Native American inhabitants of the United States.)

- Attach paper copies of the following:
  - Syllabus or course outline.
  - Course's student learning outcomes associated with each GE competency or CD designation.
  - List of strategies to be used to assess students' achievement of each GE competency or CD designation.

### ***For New Courses***

- Instructional Type: Lecture
- Course will be offered:
  - Fall Semester
  - Spring Semester
  - Summer Session

- Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Incite the nature of the discussions and/or resolution of differences or potential conflicts.)

- Attach paper copies of the following:
  - Syllabus or course outline.
  - Course's student learning outcomes.
  - A list of resources required to offer and support this course.
  - A description of how teaching this course will affect department staffing.
  - If 400/500 level course, an explanation of added expectations of graduate students.
## Minnesota State University, Mankato
### Curriculum Proposal

#### Signature Page

**Department**
- **Recommended**
  - (Category/ies)
- **Not Recommended**
  - (Category/ies)

**Department Chair**
- Signature: [Signature]
- Date: 10/9/06

**College Curriculum Committee**
- **Recommended**
  - (Category/ies)
- **Not Recommended**
  - (Category/ies)

**Committee Chair**
- Signature: [Signature]
- Date: Date

**College Dean**
- **Recommended**
  - (Category/ies)
- **Not Recommended**
  - (Category/ies)

**Dean**
- Signature: [Signature]
- Date: 11/17/06

**General Education Subcommittee**
- **Recommended**
  - (Category/ies)
- **Not Recommended**
  - (Category/ies)

**General Education Subcommittee Chair**
- Date

**Undergraduate Curriculum and Academic Policy Committee**
- **Recommended**
  - (Category/ies)
- **Not Recommended**
  - (Category/ies)

**UCAP Faculty Chair**
- Signature: [Signature]
- Date: 3/23/07

**Faculty Association Graduate Committee**
- **Recommended**
- **Not Recommended**

**Faculty Association Graduate Chair**
- Date

**Graduate Dean**
- **Recommended**
- **Not Recommended**

**Graduate Dean**
- Date

**Academic Affairs Council**
- **Recommended**
  - (Category/ies)
- **Not Recommended**
  - (Category/ies)

**Assistant Vice President**
- Signature: [Signature]
- Date: 4/9/07

**Senior Vice President and Vice President for Academic Affairs**
- **Approved**
  - (Category/ies)
- **Not Approved**
  - (Category/ies)

**Sr. Vice President/ Vice Pres. academic Affairs**
- Signature: [Signature]
- Date: 4/9/07

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Revised September 2002
Department of Biological Sciences
Department Meeting Minutes
October 20, 2006, 12:03 PM

Present: Lois Anderson, Mike Bentley, Bill Bessler, Brad Cook, Shannon Fisher, Geoff Goellner, Penny Knoblich, Beth Lavoie, Gregg Marg, Beth Proctor, Karen Radermacher, Christopher Ruhland, Robert Sorensen, Dan Toma, Ned Williams,

Absent: Chris Conlin, Margaret Durkee, Dave Grams, Marilyn Hart, John Krenz, Alison Mahoney (sabbatical), Brock McMillan (sabbatical), Steven Mercurio, Donovan Nielsen, Brent Pearson, Becky Pierce, Tim Secott, Dorothy Wrigley

The minutes of the October 13, 2006 meeting were approved as written.

[Unrelated portion deleted]

CURRICULUM:

Several curriculum proposals were presented. Motions were made to approve the following changes:

1) Proposal to add Biology 211 Genetics as a prerequisite to Biology 301 Evolution.


3) Proposal to change the title and description of Biology 402/502. The current title is Stream Limnology and the proposed title is Stream Ecology. The title needs to be changed and the course description added to the Undergraduate Bulletin and the title and course description need to be revised in the Graduate Bulletin.

There was no discussion on the above proposals. All three motions carried.

4) Proposal to change two requirements in the Ecology option. STAT 154 Statistics would be dropped (HLTH 475 Biostatistics would still be required) and ENG 271 would be changed from “recommended support” to “required support”.

After much discussion on the pros and cons of dropping STAT 154, the motion carried.

5) Proposal to drop ENVR 410 and add ENVR 470 to Environmental Sciences Minor.

6) Proposal to change ENVR 600 to ENVR 570 for the Graduate Program in Environmental Sciences.

7) Proposal to add CHEM 106 Introduction to Chemistry or CHEM 201 General Chemistry to the “required general education courses”, add STAT 154 to the “required support courses” and add BIOL 106 General Biology II and ENVR 470 Environmental Assessment to the “required for major” (core) courses for the Undergraduate Program in Environmental Sciences.

Discussion followed each of these proposals. All three motions to approve these proposals carried.

[Unrelated portion deleted.]

The meeting was adjourned at 12:55 PM.