



CROSS-LISTED COURSE OUTLINE

COURSE IMPLEMENTATION DATE: January 2013
COURSE REVISED IMPLEMENTATION DATE: _____
COURSE TO BE REVIEWED: May 2018
(six years after UEC approval) (month, year)

CROSS-LISTED COURSE OUTLINE INFORMATION

This is a cross-listed course. Only one official course outline exists for this course, listed under the original course name and number. Please refer to the official course outline for full course information.
Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

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| <u>GEOG 335</u> | <u>Biology</u> | <u>4</u> |
| COURSE NAME/NUMBER | FACULTY/DEPARTMENT | UFV CREDITS |
| Methods in Freshwater Ecology | | |
| COURSE DESCRIPTIVE TITLE | | |

OFFICIAL COURSE OUTLINE:

This is a cross-listed course. Please refer to **BIO 335** for the official course outline.

CALENDAR DESCRIPTION:

This course explores the biological, chemical, and physical features of lakes, rivers, and streams. These features are related to general ecological concepts and environmental concerns. The course focuses on the invertebrate and fish communities, but includes the origin and nature of lake and stream systems and the fundamentals of surface water chemistry and physics. Theoretical approaches and practical techniques will be addressed. This course includes considerable field work using local rivers and streams as well as outside fieldtrips. The laboratory introduces you to a variety of aquatic ecosystems and species and relevant sampling procedures and equipment. After completion of the course students will be competent to utilize various methods to critically evaluate freshwater systems and to conduct research in freshwater ecology.

Note: This course is offered as BIO 335 and GEOG 335. Students may take only one of these for credit.

PREREQUISITES: BIO 210 or GEOG 202
COREQUISITES:
PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: BIO 421T
- (b) Cross-listed with: BIO 335
- (c) Cannot take: BIO 335 for further credit.

SERVICE COURSE TO (department/program):

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) Yes No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) Yes No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: Yes No

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| Course designer(s): <u>Sharon L. Gillies</u> | Date approved: <u>November 23, 2011</u> |
| Department Head: <u>Sharon L. Gillies</u> | Date of meeting: <u>March 23, 2012</u> |
| Supporting area consultation (Pre-UEC) | Date approved: <u>April 20, 2012</u> |
| Curriculum Committee chair: <u>Norm Taylor</u> | Date approved: <u>May 4, 2012</u> |
| Dean/Associate VP: <u>Ora Steyn</u> | Date of meeting: <u>May 23, 2012</u> |
| Undergraduate Education Committee (UEC) approval | |