OFFICIAL UNDERGRADUATE COURSE OUTLINE (page 1)

COURSE IMPLEMENTATION DATE: January 2012
COURSE REVISED IMPLEMENTATION DATE:
COURSE TO BE REVIEWED: January 2018
(six years after UEC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

BIO 496	Faculty of Science	1
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS

Advanced Biological Topics
COURSE DESCRIPTIVE TITLE

CALENDAR DESCRIPTION:

This course allows students in Biology to participate in independent studies based on current topics in Biology. Students will have the opportunity for an in-depth investigation of a specialist area of biology, under the guidance of an expert in the field. Students must check with the Biology department to determine course availability and content area of a particular semester. Different letters will be used for each topic, and students may repeat the course for credit provided the topic is different.

PREREQUISITES: Any three Biology courses numbered 200 or above and permission of the instructor.
COREQUISITES:
PRE or COREQUISITES:

SYNONYMOUS COURSE(S):
(a) Replaces: **n/a**
(b) Cross-listed with:
(c) Cannot take: **n/a** for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: **15**
STRUCTURE OF HOURS:

Lectures:		Hrs
Seminar:	**15**	Hrs
Laboratory:		Hrs
Field experience:		Hrs
Student directed learning:		Hrs
Other (specify):		Hrs

TRAINING DAY-BASED INSTRUCTION:
Length of course:
Hours per day:

OTHER:
Maximum enrolment: **6**
Expected frequency of course offerings: Every year
(every semester, annually, every other year, etc.)

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

Course designer(s): **Sharon Gillies**
Department Head: **Sharon Gillies** Date approved: **Feb. 15, 2012**
Supporting area consultation (Pre-UEC) Date of meeting: **Feb. 24, 2012**
Curriculum Committee chair: **Norm Taylor** Date approved: **April 20, 2012**
Dean/Associate VP: **Ora Steyn** Date approved: **May 4, 2012**
Undergraduate Education Committee (UEC) approval Date of meeting: **May 23, 2012**

LEARNING OUTCOMES:

This course is expected to vary each time it is offered, depending on the instructor and the specialist area to be Investigated, at the end of this courses student should be able to:

- Interpret and summarize background concepts and techniques of a specialized area in biology under the guidance of an expert in that area.
- Analyze and evaluate alternative viewpoints presented in the discussion of the specialist area.
- Discuss and critique relevant scientific literature and the problems in the field.
- Describe the historical context, methods of investigation, theory and research results.

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

The student can expect a combination of independent learning and discussions with faculty. Laboratory and field components will be included when appropriate.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

☐ Examination(s) ☒ Portfolio assessment ☐ Interview(s)

☐ Other (specify):

☐ PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Relevant papers will be available to students within the UFV library resources.

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Student interview	20%
Student research or literature review term paper	80%

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Stem cells in biology
Environmental toxicology
Advanced human physiology
River and freshwater ecology
Invasive species
Biochemistry of proteins
Gene annotation of drosophila