

9/13/2022 DATE

☒ REQUIRED COURSE
☒ ELECTIVE COURSE

MSD DIVISION
☒ NEW COURSE
☐ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	BIO-245	TITLE: (30 Characters Max)		Biology Seminar							
SEM CR HRS:	1	Lecture:	1	Lab:	0	SOE/ Internship:		0	ECH:	1	
Course Level:	<input type="checkbox"/> Gen Ed / IAI <input checked="" type="checkbox"/> Baccalaureate /Non-IAI		<input type="checkbox"/> Career/Technical <input type="checkbox"/> Dev Ed/ Not in Degree Audit		Clinical Practicum:	0	SOE/ Internship:		0	SOE ECH:	0
COURSE PCS #	11 - 26.0101		IAI Code				Contact Hours (Minutes Per Week)				
Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	50	8 wks	100
Prerequisites:	BIO-100 or BIO-130 or BIO-160; and ENG-121										
Catalog Description: (40 Word Limit)	This capstone course prepares transfer students for scientific literacy through the integration of biological concepts. Emphasis is on discussion of current topics and research, development of formal oral and written communication skills, and professional development in the biological sciences.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
Database search and reliable sources	2			
Understanding biological literature	2			
Written communication	3			
Oral communication: presentations	3			
Oral communication: current issues	3			
Professional development	2			
TOTAL	15	0	0	0

EVALUATION

QUIZZES <input checked="" type="checkbox"/>	EXAMS <input type="checkbox"/>	ORAL PRES <input checked="" type="checkbox"/>	PAPERS <input checked="" type="checkbox"/>
LAB WORK <input type="checkbox"/>	PROJECTS <input checked="" type="checkbox"/>	COMP FINAL <input type="checkbox"/>	OTHER <input type="checkbox"/>

COURSE MATERIALS

TITLE:	Writing Papers in the Biological Sciences
AUTHOR:	Victoria McMillian
PUBLISHER:	Bedford/St. Martin's – Macmillan Learning
VOLUME/EDITION/URL:	6th
COPYRIGHT DATE:	2017

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
Database search and reliable sources	2	1. Search for key terms in a scientific journal database. Decipher between reliable and unreliable, biased sources
Understanding biological literature	2	1. Read and summarize biological literature. Interpret information presented in graphs.
Written communication	3	1. Write a paper related to a biological topic.
Oral communication: presentations	3	1. Present a professional presentation over a biological topic.
Oral communication: current events	3	1. Present and discuss current events and how they affect biological well-being.

Professional development	2	1. Interact with members of the local science community through guest lecturers attending class and/or attending biological seminars.
15		

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	• Demonstrate the ability to perform a journal database search on a biological topic.
	• Demonstrate the ability to procure reliable and unbiased information
	• Interpret and summarize current events and bioethical issues in the biological sciences.
	• Prepare an oral and written presentation on a biological topic.
	• Exhibit the ability to interact with members of the scientific community.

* Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.