

3/5/2024 DATE

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REQUIRED COURSE

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ELECTIVE COURSE

MSD

DIVISION

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NEW COURSE

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REVISION

## Lake Land College

## Course Information Form

COURSE NUMBER:	BIO-120	TITLE: (30 Characters Max)		Natural Science									
SEM CR HRS:	3	Lecture:	2	Lab:	2	ECH:	4						
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	Work-based Learning	0	WBL ECH:	PER CONTRACT			
COURSE PCS #	11 - 26.0301		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	200	8 Wks	400
Prerequisites:	None												
Catalog Description: (40 Word Limit)	Designed to give practical science experience to students of child care, elementary and special education. Application of course content involves many activities that can be utilized in child care and elementary school settings.												

List the Major Course Segments (Units)					Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
1	Astronomy				6	6		
2	Weather and Climate				6	6		
3	Animals				6	6		
4	Plants				6	6		
5	Ecology & Geology				6	6		
TOTAL					30	30	0	0

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

COURSE MATERIALS	
TITLE:	Active Experiences for Active Children: Science
AUTHOR:	Seefeldt, Galper and Jones
PUBLISHER:	Pearson
VOLUME/EDITION/URL:	3rd
COPYRIGHT DATE:	2012

TITLE:	Science Experiences for the Early Childhood Years: An Integrated Affective Approach
AUTHOR:	Jean D. Harlan and Mary S. Rivkin
PUBLISHER:	Pearson
VOLUME/EDITION/URL:	10th
COPYRIGHT DATE:	2012

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
<b>Oral Presentation</b> - Students must conduct a "Share An Idea" presentation regarding how to teach a scientific concept to children in a fun and interesting way. <b>Lab work</b> - Discussed in course objectives. See link below.		
<b>Projects</b> <b>Unit 1</b> - Create a short story for children incorporating the classes of mammals. Students must use Microsoft Publisher.	12	<a href="#">Learning outcomes are available in the document titled BIO-120Obj.pdf.</a>
<b>Unit 2</b> - Students must create a leaf collection based upon strict criteria involving leaf terminology.	12	
<b>Unit 3</b> - Students must create a bulletin board illustrating a concept learned from ecology or geology.	12	
<b>Unit 4</b> - Students must create a 5-day lesson plan regarding the study of weather.	12	
<b>Unit 5</b> - Students must submit a short research paper regarding a topic in astronomy.	12	
	60	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
Learn the basic structures /functions /terminology associated with vertebrate animals	
Learn the basic structures /function /terminology associated with plants	
Learn the basic structures /function /terminology associated with ecology and geology	

Learn the functions/terminology/applications associated with meteorology
Learn the functions/terminology/applications associated with astronomy

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