

2/16/2023 DATE

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 REQUIRED COURSE
 ELECTIVE COURSE

Technology

 DIVISION
☐ NEW COURSE
☒ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:		CET-021		TITLE: (30 Characters Max)		5-Day Aggregate (I.D.O.T.)					
SEM CR HRS:	2	Lecture:	1.75	Lab:	0.25	SOE/ Internship:		0	ECH:	2	
Course Level:	☐ Gen Ed / IAI ☐ Baccalaureate /Non-IAI		☐ Career/Technical ☒ Dev Ed/ Not in Degree Audit		Clinical Practicum:	0	SOE/ Internship:		0	SOE ECH:	0
COURSE PCS #	16 - 46.0403		IAI Code				Contact Hours (Minutes Per Week)				
Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	Min:	Max:	16 Wks	100	8 wks	200	
Prerequisites:	NONE										
Catalog Description: (40 Word Limit)	This course prepares a person to work as an aggregate technician to test and administer the AGCS program for aggregate supplier/producers. It can serve as a prerequisite for the IDOT HMA Level I (CET-029) or PCC Level II (CET-024) courses.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
General Geology of Illinois	2			
Aggregate Production and Benefication	2			
Aggregate Quality and Use	2			
Aggregate Technician/Inspector Responsibilities	2			
Stockpiling and Handling	2			
Field Sampling	2			
Sample Reduction	5			
Gradation testing	2			
Control Charts	2			
Aggregate Source Certification Program	6			
Exams	3			
TOTAL		30	0	0

EVALUATION

QUIZZES	☐	EXAMS	☒	ORAL PRES	☐	PAPERS	☐
LAB WORK	☒	PROJECTS	☐	COMP FINAL	☐	OTHER	☐

COURSE MATERIALS

TITLE:	I.D.O.T. Aggregate Technician Manual
AUTHOR:	I.D.O.T.
PUBLISHER:	N/A
VOLUME/EDITION/URL:	N/A
COPYRIGHT DATE:	N/A

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
General Geology of Illinois	2	Relate the geology of Illinois to aggregate deposits
Aggregate Production	2	Recognize aggregate production techniques that affect gradation
Aggregate Quality	2	Understand the IDOT quality rating system
Technician/Inspector Responsibilities	1	Understand his/her responsibilities
Stockpiling and Handling	2	Identify correct stockpiling and handling procedures
Field Sampling	2	Take a field sample
Sample Reduction	2	Reduce a sample for testing
Gradation Testing	8	Perform the wash and gradation tests
Control Charts	1	Pass the exam

Aggregate Source Certification Program	4	Examine the AGCS Policy Memorandum
Exams	4	Written, Calculation and Proficiency
	30	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	Summarize aggregate production.
	Demonstrate how to perform calculations pertaining to aggregate gradations.
	Demonstrate how to correctly perform a gradation test.
	List specifications pertaining to aggregates.
	Interpret control charts.

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