

2/16/2023 DATE

REQUIRED COURSE
 ELECTIVE COURSE

Technology DIVISION
 NEW COURSE
 REVISION

Lake Land College

Course Information Form

COURSE NUMBER: CET-023		TITLE: (30 Characters Max) 5-Day Asphalt for I.D.O.T. Level II		
SEM CR HRS: 2	Lecture: 2	Lab: 0	ECH: 2	
Course Level:	<input type="checkbox"/> Gen Ed / IAI <input type="checkbox"/> Baccalaureate / Non-IAI	<input type="checkbox"/> Career/Technical <input checked="" type="checkbox"/> Dev Ed/ Not in Degree Audit	Clinical Practicum: 0	SOE/ Internship: 0 SOE ECH: 0
COURSE PCS # 16	IAI Code		Contact Hours (Minutes Per Week)	
Repeatable (Y/N):	Pass/Fail (Y/N):	Variable Credit (Y/N):	Min:	Max:
Prerequisites: CET-020 or CET-021 and CET-029				
Catalog Description: (40 Word Limit)	An advanced course covering plant production, proportioning, troubleshooting and lay down of hot mix asphalt. Allows the technician to be named a Quality Control Manager for an asphalt producer.			

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
Specifications	4			
Plant Operations	4			
Surge Bins	1			
Proportioning	8			
Mixture Evaluation	4			
Lay Down and Compaction	4			
Test Strips	2			
Density	2			
Reporting	1			
TOTAL	30	0	0	0

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

COURSE MATERIALS	
TITLE:	I.D.O.T. Level II H.M.A. 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>
Specifications	4	Apply the specifications for HMA
Plant Operations	4	Describe how plan operations control quality
Surge Bins	1	Interpret surge bins correctly
Proportioning	8	Summarize proportioning for dryer-drum and batch plants, including RAP & RAS use
Mixture Evaluation	4	Analyze mix problems
Lay Down and Compaction	4	Assess the quality of laydown and compaction
Test Strips	2	Describe a test strip
Densities	2	Describe nuclear density and correlations
Reporting	1	Prepare the documentation for a QC/QA project
	30	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
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- Summarize how to proportion an asphalt plant.

- List specifications pertaining to asphalt.

- Discuss measures used to control asphalt production.

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