	E JIRED COURSE TIVE COURSE							<u>]</u>	「echnology □	DIVISION NEW CC REVISION	URSE
		lа	ke Land Coll	ല	2						
			Course Information Fo	_	•						
COURSE NUMBER:	BCT-064		TITLE: (30 Characters		Con	struction S	urvevir	ıg-l avout			
	Lecture:		1.5	Wildry	Lal		ai ve yii	T T		ECH:	4.5
		reer/Te	echnical	Clini				SOE/	0	SOE	
Course Level:		ev Ed/ N	ot in Degree Audit	Clinic	cal Practicum	: 0	In	ternship:	0	ECH:	0
COURSE PCS #	12 15.1102	1	IAI Code		N4:	1			act Hours (Min		
Repeatable (Y/N): Y	Pass/Fail (Y/N): CET-060, TEC-052	N	Variable Credit (Y/N):	N	Min:	Max:		16 Wks	225	8 wks	450
Prerequisites:	CET-060, TEC-032										
Catalog Description: (40 Word Limit)	This course will focus on the funda calculations, checking square, and									and fill	
List the Major Course Segments (Units)					Contact Lecture Hours	Contac Hou	Clinical		Practicum	Non-Clinical Internship/ SOE	
Level Circuit					2	5					
Angle and Distance Measurement	t				1.5		4				
Topographic Surveys Building Layout					3 7						
Cut and Fill Calculations & Staking	g				6	9					
Pipeline/Sewer Staking					3	6					
										 	
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			Т	OTAL	22.5	45	i		0	()
			EVALUTION								
QUIZZES	S ☐ EXAMS	ाजा	EVALUTION	OR.	AL PRES				PAPERS		
LAB WORK PROJECTS						OTHER					
					•	'				•	
	THE LA		COURSE MATERIAL	.S							
ΔΙΙΤΙ	ITLE: Surveying HOR: Jack McCormac, Wayne Sara	cua M	illiam Davie								
PUBLIS	HER: Wiley	sua, vv	IIIIaiii Davis								
VOLUME/EDITION/											
COPYRIGHT D	ATE: 2012										
MA IOR COLL	RSE SEGMENT		HOURS				ΙF	ΔRNIN <i>C</i>	OUTCC	MES	
Will bolk ood	NOT OF CHILLIA		1100110			The stud		ill be able		IVILO	
Level Circuit		7							rithin industr ror across th		es, and
Ecver elleuit		'									and
Angle and Distance Measurement	t	5.5			Demonstrate the correct procedures to set up and operate the equipment to properly measure angles and distances.						
Topographic Surveys		9			Demonstrate the ability to locate existing structures an contours with a total station and prism pole.				ures and		
Building Layout		22	Demonstrate the ability corners, offsets, interio			, interior w	y to locate and stake building r walls, rough-in plumbing, and res.				
		22 other proposed structures. Demonstrate the ability to properly calculate cut and fill measurements based on existing and proposed									
Cut and Fill Calculations & Staking	g	15				conditio	ns, and	l set hubs a	and stakes a	ccordingly	/.

Pipeline/Sewer Staking		Demonstrate the ability to locate a pipeline in the field based on a set of construction drawings, and establish proper offsets to allow the contractor to excavate in the correct location and to the correct depth.
	67.5	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:			
• Demonstrate the proper use of survey	ing equipment.			
Calculate cut and fill measurements.				
• Document field notes in a legible and	understandable manner.			
• Locate a proposed structure on-site based on a set of construction drawings.				

 $[\]star$ Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.