<del>-</del>	REQU	IIRED COURSE TIVE COURSE		<b>ke Land Colle</b> Course Information For	_				_	_DIVISION NEW CO REVISION	URSE
COURSE NUMBER:		GIS-091		TITLE: (30 Characters	Мах)	Adva	nced GIS				
SEM CR HRS:	3	Lecture:		1.5		Lab	: 3			ECH:	4.5
Course Level:			•	<b>Technical</b> Not in Degree Audit	Clini	cal Practicum:	0	SOE/ Internship:		SOE ECH:	0
COURSE PCS #		12 - 45.0701		IAI Code				Cont	act Hours (N	linutes Per V	√eek)
Repeatable (Y/N):	Ν	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	225	8 wks	450
Prerequisites:											
Catalog Description: (40 W Limit)	Vord	This course provides an introductibe placed on technician level issuinformation.									
	l	ist the Major Course Segments (	Units	s)		Contact Lecture Hours	Contact Hour		inical cticum	Non-C Internshi	
Basis of ArcGIS						3	6				
Displaying and Georeference						3	6				
Querying Your Database in A						3	6				
Working with Data in ArcGIS	5					3	6			I	

	Hours	riours	Tracticum	Tinternsinp/ 30L
Basis of ArcGIS	3	6		
Displaying and Georeferencing Data in ArcGIS	3	6		
Querying Your Database in ArcGIS	3	6		
Working with Data in ArcGIS	3	6		
Working with Tables in ArcGIS	3	6		
Presenting Data in ArcGIS	3	6		
Final Projects	4.5	9		
TOTAL	22.5	45	0	0
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FVALIATION				

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QUIZZES 🗸	EXAMS 🗹		ORAL PRES		PAPERS	
LAB WORK 🗹	PROJECTS ☑		COMP FINAL		OTHER	
			-			
		COURSE MATERIALS				
TITLE:	GIS Tutorial					
	Wilpen L. Gorr and Kristen Kurland					
PUBLISHER:	ESRI Press					
VOLUME/EDITION/URL:	3rd					
COPYRIGHT DATE:	2008			.,,	·	_

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES		
		The student will be able to:		
Basics of ArcGIS	9	Demonstrate and use the menus of ArcGIS through the ArcMap, ArcCatalog, and ArcToolbox interfaces.		
Displaying and Georeferencing Data in ArcGIS	9	Demonstrate how geographic data can be displayed in ArcGIS.		
Querying Your Database in ArcGIS	9	Build queries to create selected sets of features that meet the criteria specified.		
Working with Data in ArcGIS	9	Demonstrate and use some of the editing tools and edit map data within ArcMap. In addition, students will use the Geography Network to find data and how to use it for dynamic maps.		
Working with Tables in ArcGIS	9	Demonstrate and work with associated tabular data with maps in the GIS environment.     Students will be able to query and select records from attribute databases within ArcGIS.		

Presenting Data in ArcGIS	9	Produce and use basic mapping principles and how to present data and analysis within ArcGIS.  Demonstrate how to use ArcMap's cartographic tools to create cartographic quality maps.
Final Project	13.5	Develop a final project utilizing local paper maps and convert them into a GIS database.
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	67.5	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	Demonstrate through project based learning or GIS Tutorials concepts associated with GIS Core Competencies like data creation,
	analysis, or map making.
	• Develop and complete a final project addressing a research problem or project that needs to be addressed using GIS Technology.

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