

GIS 205

CNCC_C	Sessi ons	Application and/or Extension	Topic	Sub_Topic	Elements	PPT#	Resources
205_GIS	1	General	Problem _Solving	methodology	data analyses in 105 vs 205	L2X	GIS_F: 2
205_GIS	1	ArcCatalogue	Data	Conversions	shp----rstr event themes to shp vector to raster and visa-versa About Setup: extent, cell sized, mask, barrier Grouping vs. Headings Saving annotation Raster Symb- Unique, Classified, Stretched Raster Extent, Resolution cell size & pixel ratio, Rster(Mos	L3X	GIS_F 2:28-35, 36-45
205_GIS	1	SA-3D	Editing	TIN	Tins BASICS creation from raster and vector data Interpolate point, polygon and transfer	L10X	GIS_F--2:45-48
205_GIS	1	Compiler	Program	Basics	structure vs object vs PLC logic basic operations- flow diagrams- reserved words QBASIC basic structure and terminology VB6_A concepts terminology activities for I/O Easy Veep, PLC online or depcu Scripting: simple legend modification, etc maybe!!!!!! a	L1X	Server_Resources
205_GIS	1	Compiler	Program	Coding syntax	VBA: script review logical flow and diagramming reserved words	L12X	GIS_F--9:ALL
205_GIS	1	ArcMap	Problem	Intermediate: (Graphic) VBA scripting MODEL BUILDER	model builder: fundamentals	L13X	Model Builder HO Ch 9

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205_GIS	1	ArcSuite	data	RASTER, IMAGE	About: satellite imagery	L23X	GIS_F--6:all
205_GIS	1	ArcSuite	data	RASTER, IMAGE	About: scanned DLG, DRG, DOQ		GIS_F--7:all
205_GIS	1	SA-3D	analysis	Raster, GRID	Reclassification Mask, Extent, Barrier, Resolution file-mosaic vs raster catalog Characteristics Cell Stats: local(cell stats)+calcs per cell1 or more rstr, focal(neighborhood) calcs over a region in 1 raster, zonal(zonal) calc valu in raster region det	L6X	GIS_F--9:all
205_GIS	1	SA-3D	analysis	Raster, GRID	MapAlgebra access ATb or GUI ATb: MANY functions!! TINs later	L7X	GIS_F--10:all
205_GIS	1	SA-3D	Analysis	Raster, GRID	Analyses---Operations & Apps Functions Math Operators(* / etc) & MapAlgebra_Calculator Functional Operators:	L5X	GIS_F--11: all
205_GIS	1	SA-3D	Analysis	Raster, GRID	--Interpolation vs Density--IDW, Spline nodata considerations! --density distr across area slope vs slump, hillshade, line of sight, & viewshed, cut/fill, model hydrology steepest path, contour, various distance measures	L4X	GIS_F--12: all
205_GIS	2	SA-3D	analysis	Raster, GRID	More functional Apps: Terrain Profiles 3D Also see Analysis--Raster Terrain profiles start ArcMap end in ArcScene Line of sight, contours, cutfill in Atb above-below plane but not maskable steepest path-watrch it	L8X L9X	GIS_F--11: all

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205_GIS	1	SA-3D	Analysis	TIN	no cut fill TINs AV draw points in 3-D = no drape use #d tools to draw 3D on fly w/ Z-SHP Tin creation= 1- pts or DEM; 2-soft break; 3- hard break; 4- clip w/ poly HULLS: Erase, clip, fill and Replace Polygons Hard vs Soft Breaklines	L11X	Server_Resources
205_GIS	1	ArcMap	Operati on	TIN	TINS part 2 Aspects, creation,symbology, hard vs soft , hulls TIN aspects caching for speed z-polgons = number of triangle z units specify - conversion Symbolization ADV TIN Display (BASIC) 3-D TIN creation Symbology TIN editing	L14XZ	Server_Resources
205_GIS	1	ArcScene	Presenta	TIN	Rendering Intro: components and actions z-units transparency Base Heights, Extrusion, offset, Exaggeration & Calc of it,	L15XZ	Server_Resources
205_GIS	1	ArcScene	Presenta	TIN	Rendering Symbology Shading Buttons Flight: buttons, shift to hold altitude, arrows change walk ht Observer, target, navigate tool	L16XZ	Server_Resources
205_GIS	1	SA-3D	Presenta	3-D animation	Part 1: .mov, wrl, avi, etc animation componenets: time scaled to 1,	L17XZ	Server_Resources

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205_GIS	1	SA-3D	Presentation	3-D animation	animation methods(3): recording, move layer along track, open different dataframesXX?? screen captures ALL so be careful---Leave computer ALONE!	L21XZ	Server_Resources
205_GIS	1	ArcMap	Presentation	Crystal Reports (ADV)	Crystal Reports: Part 1 Interface and components	L20XZ	GIS_F: 8 Server_Resources
205_GIS	1	OPEN	Analysis	Time	OPENXXX TrakWhat: 1-tracking map= position chgs ovr time Bear mvt 2--Timwe series= charactr chgs over time lake dries up combo=hurricane position and wind Factors: noun discrete bear verb (events) crime patterns trends: 2+dates or before/after or cy	L19XZ	
205_GIS		ArcGlobe	Presentation		special layer addtn methods: elevation, drape, & float enhance flight and walk arrows yield ground O.S. caching LA float SMOG	L18XZ	Server_Resources
205_GIS	2	Cedra	Civil Design	Feature ADVANCED	create datasets for use with sub-cm units	L22XZ	Server_Resources
205_GIS	3	General	Special	Field_Trips	Field trip presentations		
205_GIS	3	Testing	Testing		midterm, final and quarterly		

	Seminar #

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