CRIME ANALYSIS & MODELING WITH CRIMESTAT IV

	DAY 1	DAY 2
	(starts at 9:00)	(starts at 9:00)
9:00-9:45	T1: Basic Concepts in	T7: Introduction to Hot Spot
	Geoinformation (Spatially discrete vs	Analysis (Not risk-adjusted and risk-
	continuous data, distance	adjusted hot spot analysis)
	measurements, spatial autocorrelation,	
	global vs local statistics, MAUP, edge	
	effects, etc.)	
9:45-10:30	T2: Introduction to CrimeStat IV	T8: Hot Spot Analysis I (Spatial
	(Program requirements, installation,	mode, spatial fuzzy mode, nearest
	data input and result output,	neighbor hierarchical clustering)
	coordinate systems, etc.)	
10:30-10:45	BREAK	BREAK
10:45-11:30	T3: Introduction to Point Pattern	T9: Hot Spot Analysis II (Kernel
	Analysis (PPA) (goal and	density estimation, risk-adjusted hot
	components of PPA, complete spatial	spot analysis)
	randomness, first and second order	
	effects, historical development)	
11:30-12:15	T4: Spatial Descriptive Statistics	T10: Theories and Concepts in
	(Spatial mean, spatial medium, center	Criminal Geographic Profiling (CGP)
	of minimum distance, standard	(Least effort principle, rational choice
	distance deviation, standard	theory, routine activity theory, serial
	deviational ellipse)	offender typology, etc.)
12:15-13:15	LUNCH	LUNCH
13:15-14:00	T5: Hypothesis Testing and	T11: CGP Models I (Centrographic
	Statistical Significance	statistics, non-calibrated journey-to-
		crime estimation)
14:00-14:45	T6: Spatial Distribution and	T12: CGP Models II (Calibrated
	Distance Analysis (Clustered, random	journey-to-crime estimation, evaluating
	and regular spatial distribution,	CGP models)
	nearest neighbor analysis)	
14:45-15:00	BREAK	BREAK
15:00-16:00	EXERCISE 1: Spatial Descriptive	EXERCISE 3: Hot Spot Mapping
	Statistics	
16:00-17:00	EXERCISE 2: Spatial Distribution	EXERCISE 4: Criminal Geographic
	and Distance Analysis	Profiling
17:00	END DAY 1	END DAY 2

Course Outline