Tentative Course Outline

WEEK	LECTURE	LAB WORK	
Jan. 29	Introduction to Simulation, Simulation Exercise Event Scheduling/Time Advance Algorithm		
Feb. 5	Simulation by Hand, Input Modeling	Lab 1 – Simulation by Hand	
Feb. 12	Input Modeling	Lab 2 – Simulation Examples	
Feb. 19	Input Modeling, Random Number Generation	Lab 3 – Input Modeling	HW 1 Due
Feb. 26	Random Number and Random Variate Generation		
Mar. 4	Random Variate Generation, Introduction to Arena		
Mar. 11	Arena Basic Modeling	Lab 4 – Random Number and Variate Generation, Intro. to Arena	HW 2 Due Project Assigned
Mar. 18	Arena Detailed Modeling	Lab 5 – Arena	HW 3 Due
Mar. 25	Arena Detailed Modeling		Project Part 1 Due, Midterm Exam
Apr. 1	Further Modeling with Arena	Lab 6 – Arena	
Apr. 8	NO LECTURES		
Apr. 15	Output Analysis		HW 4 Due
Apr. 22	Output Analysis, Verification/Validation		Project Part 2 Due
Apr. 29	Comparing Alternative Configurations		
May 6	Comparing Alternative Configurations Optimization via Simulation	Lab 7 – Output Analysis	ARENA Quiz
May 13	NO LECTURES		Project Part 3 Due

Weekly Schedule

Week	Section 1		Section 2	
	Monday	**Thursday**	**Monday**	**Wednesday**
Jan. 29	2L	2L	2L	2L
Feb. 5	2L	No lecture	2L	No lecture
Feb. 12	2L	2L	2L	2L
Feb. 19	2L	No lecture	2L	No lecture
Feb. 26	2L	2L	2L	2L
Mar. 4	2L	No lecture	2L	No lecture
Mar. 11	2L	2L	2L	2L
Mar. 18	2L	No lecture	2L	No lecture
Mar. 25	2L	2L	2L	2L
Apr. 1	2L	No lecture	2L	No lecture
Apr. 8	No lecture	No lecture	No lecture	No lecture
Apr. 15	2L	2L	2L	2L
Apr. 22	No lecture	2L	No lecture	2L
Apr. 29	2L	No lecture	2L	No lecture
May 6	2L	2L	2L	2L
May 13	No lecture	No lecture	No lecture	No lecture