

COSC-360 Introduction to Computer Simulation and Modeling

Spring 2011 Course Schedule

Required Text: Simulation With Arena, by Kelton, W. David, Randall P. Sadowski, Nancy B. Swets

Week		Topic	Chapters	Assignments	
	11-Jan	-----	-----		11-Jan
Week 1	13-Jan	Introduction, What is Simulation?	1		13-Jan
Week 2	18-Jan	Fundamental Simulation Concepts	2, Appendix B		18-Jan
	20-Jan				20-Jan
Week 3	25-Jan	Fundamentals, A Guided Tour Through Arena	2,3		25-Jan
	27-Jan			HW 1 Assigned	27-Jan
Week 4	1-Feb	Fundamentals, A Guided Tour Through Arena	3		1-Feb
	3-Feb	Lab	Lab 1		3-Feb
Week 5	8-Feb	Modeling Basic Operations & Inputs	4	HW 1 Due*, HW 2 Assigned	8-Feb
	10-Feb	Lab	Lab 2		10-Feb
Week 6	15-Feb	Modeling Basic Operations & Inputs	4		15-Feb
	17-Feb	Lab	Lab 3		17-Feb
Week 7	22-Feb	Modeling Basic / Detailed Operations	5	HW 2 Due*, HW 3 Assigned	22-Feb
	24-Feb	Lab	Lab 4		24-Feb
Week 8	1-Mar	Mid-term exam			1-Mar
	3-Mar	Modeling Detailed Operations	5	HW 3 Due*	3-Mar
Week 9	8-Mar	Spring Break	-----		8-Mar
	10-Mar				10-Mar
Week 10	15-Mar	Modeling Detailed Operations	5	HW 4 Assigned	15-Mar
	17-Mar	Lab	Lab 5		17-Mar
Week 11	22-Mar	Modeling Detailed Operations	6		22-Mar
	24-Mar	Lab	Lab 6		24-Mar
Week 12	29-Mar	Statistical Analysis of Output from Terminating Simulations	7	HW 4 Due*	29-Mar
	31-Mar	Lab	Lab 7		31-Mar
Week 13	5-Apr	Intermediate Modeling and Steady-State Statistical Analysis	8	HW 5 Assigned	5-Apr
	7-Apr	Lab	Lab 8		7-Apr
Week 14	12-Apr	Entity Transfer	8		12-Apr
	14-Apr	Lab	Lab 9	HW 5 Progress Report Due ^{Note 1}	14-Apr
Week 15	19-Apr	Entity Transfer	TBD		19-Apr
	21-Apr	Easter	-----		21-Apr
Week 16	26-Apr	Presentations		HW 5 Due* / Presentations ^{Note 2}	26-Apr
	28-Apr	Presentations / Exam Review			28-Apr
	3-May	Final Exam/TBA			3-May
	5-May				5-May
	9-May				9-May
	12-May				12-May