

Course Calendar (Fall 2024)

SE-450: Decision Analysis

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	DATE	COURSE TOPIC	ASSIGNMENTS*
Week #1	8/26	Welcome and Overview	READING CH. 1 ~ CH.4
	8/28	Introduction to Decision-Making Fundamentals	
	8/30	Introduction to Decision-Making Fundamentals (cont.)	
Week #2	9/2	LABOR DAY – No Class	
	9/4	Multi-Criteria Decision Making (MCDM) – AHP	
	9/6	MCDM – AHP	
Week #3	9/9	MCDM – TOPSIS	HW-1 DUE
	9/11	MCDM – TOPSIS	
	9/13	MCDM – AHP/TOPSIS Exercise	
Week #4	9/16	MCDM – MAUT	READING CH.5
	9/18	MCDM – MAUT	
	9/20	MCDM – MAUT	
Week #5	9/23	MCDM – Sensitivity Analysis	
	9/25	MCDM – Sensitivity Analysis	
	9/27	MCDM – Sensitivity Analysis	
Week #6	9/30	MCDM – Conjoint Analysis	HW-2 DUE
	10/2	MCDM – Conjoint Analysis	
	10/4	Group Decision Making Processes	
Week #7	10/7	Group Decision Making Processes	HW-3 DUE
	10/9	EXAM-I REVIEW	
	10/11	EXAM-I	
Week #8	10/14	Decision Making under Uncertainty (DMU) – Decision Tree	READING CH.7
	10/16	DMU – Decision Tree	
	10/18	DMU – Decision Tree	
Week #9	10/21	DMU – Structured Decision Models	HW-4 DUE
	10/23	DMU – Structured Decision Models	
	10/25	DMU – Structured Decision Models	
Week #10	10/28	DMU – Structured Decision Models	READING CH.12, 13
	10/30	DMU – Sensitivity Analysis	
	11/1	DMU – Sensitivity Analysis	
Week #11	11/4	DMU – Sensitivity Analysis	HW-5 DUE; READING CH.14, 15
	11/6	DMU – Value of Information	
	11/8	DMU – Value of Information	
Week #12	11/11	DMU – Value of Information	
	11/13	Exam-II Review	
	11/15	EXAM-II	
Week #13	11/18	Risk-based Decision Making (RDM) - Overview	HW-6 DUE
	11/20	Risk-based Decision Making (RDM)	READING CH.16, 17
	11/22	Risk-based Decision Making (RDM)	
Week #14	11/23 ~	FALL BREAK	
Week #15	12/2	Utility Axioms, Paradoxes, Implications	HW-7 DUE
	12/4	Utility Axioms, Paradoxes, Implications	
	12/6	Utility Axioms, Paradoxes, Implications	
Week #16	12/9	Graduate Project Presentation	
	12/11	FINAL EXAM REVIEW	
	12/13	FINAL EXAM – DATE AND TIME (TBD)	

- Due dates may change, please refer to the CANVAS for updates.