DEPARTMENT OF CIVIL AND MECHANICAL ENGINEERING
CE350: INFRASTRUCTURE ENGINEERING

Course Schedule – AY 19-2

	Lesson		Date	Subject	Assignment
Infrastructure Systems	1	IS-1	09 JAN	An Introduction to Infrastructure	
	2	IS-2	11 JAN	Critical Infrastructure Sectors	LSN 2 Reading Assignment
	3	IS-3	15 JAN	Network Theory	LSN 3 Reading Assignment
	4	IS-4	17 JAN	Network Modeling	LSN 4 Reading Assignment
	5	IS-5	22 JAN	Component Model	LSN 5 Reading Assignment
	6	IS-6	24 JAN	Assessing Infrastructure Systems	LSN 6 Reading Assignment
	7	IS-7	28 JAN	Infrastructure Resilience	LSN 7 Reading Assignment
	8	IS-8	01 FEB	Stakeholder Analysis	LSN 8 Reading Assignment
	9	IS-9	04 FEB	Solid Waste Management and Social Justice	LSN 9 Reading Assignment
Water	10	W-1	06 FEB	Water Resources and Distribution Systems	Problem Set 1
	11	W-2	08 FEB	Dams and Levees	LSN 11 Reading Assignment
	12	W-3	12 FEB	Water System Demand	LSN 12 Reading Assignment
	13	W-4	14 FEB	Water Treatment Methods and Models	LSN 13 Reading Assignment
	14	W-5	19FEB	Wastewater Treatment Methods and Models	LSN 14 Reading Assignment
	15	W-6	21 FEB	Water Treatment Plant Lab	REPORT TO LUSK RESERVOIR NORTH END
	16	W-7	25 FEB	Water Resilience and Assessment	Problem Set 2
	17	W-8	01 MAR	Water Sustainability	
	18	WPR-1	04 MAR	Written Partial Review 1	WPR I
Electricity	19	E-1	06 MAR	Introduction to the Energy Sector	LSN 19 Reading Assignment
	20	E-2	08 MAR	The Electrical System: An Overview	LSN 20 Reading Assignment
	21	E-3	18 MAR	Electrical System Demand	LSN 21 Reading Assignment
	22	E-4	20 MAR	Generation of Electricity and Renewables	LSN 22 Reading Assignment
	23	E-5	22 MAR	Electrical Transmission	LSN 23 Reading Assignment
	24	E-6	26 MAR	Distribution and Use of Electricity	LSN 24 Reading Assignment
	25	E-7	29 MAR	Power Consumption Lab	
	26	E-8	02 APR	Energy Sustainability	Recon Plan Due
	27	D-1	04 APR	Field Recon Trip (Tentative)	
Transportation	28	E-9	08 APR	Household Power Exercise	
	29	T-1	10 APR	Introduction to Transportation	Problem Set 3
	30	T-2	12 APR	System Analysis I – Trip Generation and Distribution	LSN 30 Reading Assignment
	31	T-3	16 APR	System Analysis II – Modal Analysis	
	32	T-4	18 APR	System Analysis III – Flow Modeling	Problem Set 4
	33	T-5	22 APR	Railroads I	
	34	T-6	24 APR	Railroads II	
	35	WPR- 2	26 APR	Written Partial Review 2	WPR II
Doctrine	36	D-2	29 APR	Infrastructure in Doctrine and Reconnaissance I	
	37	D-3	03 MAY	Briefings	Infrastructure Recon Report
	38	D-4	06 MAY	Briefings	
	39	D-5	08 MAY	Infrastructure in Doctrine and Net Zero	
	40	Review	10 MAY	Course Review and the Road Ahead	Problem Set 5

This version is dated 12/4/18. Future versions will be published if needed and will override this version.