

ESD.162J/6.695J/15.032J
Engineering, Economics and Regulation of the Electric Power Sector

SESSION	DAY	MODULE	TOPIC	INSTRUCTOR	WEEK	HOMEWORK
	Sun, 02-Feb				W1	
	Mon, 03-Feb				W1	
	Tue, 04-Feb				W1	
L1	Wed, 05-Feb	A.1	Intro power systems: operation & management	IPA	W1	HW1-out
	Thu, 06-Feb				W1	
R1	Fri, 07-Feb		Power systems: technology	IPA	W1	
	Sat, 08-Feb				W1	
	Sun, 09-Feb				W2	
L2	Mon, 10-Feb	A.2	Intro power systems: economics	IPA	W2	
	Tue, 11-Feb				W2	
L3	Wed, 12-Feb	B.1	Intro regulation	IPA	W2	HW1-due//HW2-out
	Thu, 13-Feb				W2	
R2	Fri, 14-Feb		US power sector regulation	IPA	W2	
	Sat, 15-Feb				W2	
	Sun, 16-Feb				W3	
	Mon, 17-Feb				W3	
L4	Tue, 18-Feb	B.2	Traditional regulation	IPA	W3	
L5	Wed, 19-Feb	C.1	Microeconomics	IPA	W3	HW2-due//HW3-out
	Thu, 20-Feb				W3	
R3	Fri, 21-Feb		Economic functions & models	IPA	W3	
	Sat, 22-Feb				W3	
	Sun, 23-Feb				W4	
L6	Mon, 24-Feb	C.2	Intro electricity markets	CB	W4	
	Tue, 25-Feb				W4	
L7	Wed, 26-Feb	C.3	Wholesale markets	CB	W4	HW3-due//HW4-out
	Thu, 27-Feb				W4	
R4	Fri, 28-Feb		Topics in wholesale markets	CB	W4	
	Sat, 01-Mar				W4	
	Sun, 02-Mar				W5	
L8	Mon, 03-Mar	D.1	Regulation of monopolies	IPA	W5	
	Tue, 04-Mar				W5	
L9	Wed, 05-Mar	D.2	Distribution	IPA	W5	HW4-due//HW5-out
	Thu, 06-Mar				W5	
R5	Fri, 07-Mar			IPA	W5	
	Sat, 08-Mar				W5	
	Sun, 09-Mar				W6	
L10	Mon, 10-Mar	E.1	Transmission: intro & investment	IPA	W6	
	Tue, 11-Mar				W6	
L11	Wed, 12-Mar	E.2	Transmission: cost allocation & tariffs	IPA	W6	HW5-due
	Thu, 13-Mar				W6	
R6	Fri, 14-Mar			IPA	W6	
	Sat, 15-Mar				W6	
	Sun, 16-Mar				W7	
L12	Mon, 17-Mar	E.3	Transmission access	IPA	W7	HW6-out
	Tue, 18-Mar				W7	
L13	Wed, 19-Mar	C.4	Ancillary Services	CB	W7	
	Thu, 20-Mar				W7	
R7	Fri, 21-Mar			CB	W7	
	Sat, 22-Mar					
	Sun, 23-Mar					
	Mon, 24-Mar		SPRING BREAK			
	Tue, 25-Mar		SPRING BREAK			
	Wed, 26-Mar		SPRING BREAK			
	Thu, 27-Mar		SPRING BREAK			
	Fri, 28-Mar		SPRING BREAK			
	Sat, 29-Mar		SPRING BREAK			

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	Sun, 30-Mar				W8	
L14	Mon, 31-Mar	F.1	End-user tariffs design I	IPA	W8	
	Tue, 01-Apr				W8	
L15	Wed, 02-Apr	F.2	End-user tariffs design II	IPA	W8	HW6-due
	Thu, 03-Apr				W8	
R8	Fri, 04-Apr			IPA	W8	
	Sat, 05-Apr				W8	
	Sun, 06-Apr				W9	
L16	Mon, 07-Apr	G	Retail markets	IPA	W9	HW7-out
	Tue, 08-Apr				W9	
L17	Wed, 09-Apr	H	Generation security of supply	CB	W9	
	Thu, 10-Apr				W9	
R9	Fri, 11-Apr			CB	W9	
	Sat, 12-Apr				W9	
	Sun, 13-Apr				W10	
L18	Mon, 14-Apr	E	Contracts-FTRs	CB	W10	
	Tue, 15-Apr				W10	
L19	Wed, 16-Apr	J	Renewables	RS	W10	HW7-due//HW8-out
	Thu, 17-Apr				W10	
R10	Fri, 18-Apr			TL	W10	
	Sat, 19-Apr				W10	
	Sun, 20-Apr				W11	
	Mon, 21-Apr		PATRIOTS DAY VACATION		W11	
	Tue, 22-Apr		PATRIOTS DAY VACATION		W11	
L20	Wed, 23-Apr	J	Renewables II	IPA	W11	
	Thu, 24-Apr				W11	
R11	Fri, 25-Apr		Gas & electricity markets	IPA	W11	
	Sat, 26-Apr				W11	
	Sun, 27-Apr				W12	
L21	Mon, 28-Apr	K	Contemporary network issues: Smart grids	IPA	W12	HW8-due
	Tue, 29-Apr				W12	
L22	Wed, 30-Apr	M	Regional markets	IPA	W12	
	Thu, 01-May				W12	
R12	Fri, 02-May		Visit ISO-NE	TL	W12	
	Sat, 03-May				W12	
	Sun, 04-May				W13	
L23	Mon, 05-May	N	Universal access	IPA	W13	
	Tue, 06-May				W13	
L24	Wed, 07-May	N	Universal access II	IPA	W13	
	Thu, 08-May				W13	
R13	Fri, 09-May			IPA	W13	
	Sat, 10-May				W13	Term paper due
	Sun, 11-May				W14	
L25	Mon, 12-May	O	Markets vs. Governments	IPA	W14	
	Tue, 13-May				W14	
	Wed, 14-May	Term papers	Term papers	IPA/CB	W14	
	Thu, 15-May		(Term papers: continuation)		W14	

L: lectures (M, W); R: recitation (F)
INSTRUCTORS
IPA: Ignacio Perez-Arriaga
CB: Carlos Batlle
CK: Christopher Knittel
INVITED LECTURER
RS: Richard Schmalensee
TEACHING ASSISTANT
TL: Tommy Leung