

January

CE 392R Calendar: Spring 2012

Instructor: Prof. Chandra Bhat

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17 First class Introduction and overview	18	19 Elements of the choice process	20 <u>EXTRA CLASS</u> Utility-based choice theory	21
22	23	24 <u>NO CLASS</u>	25	26 <u>NO CLASS</u>	27 <u>EXTRA CLASS</u> Binary choice models (BCM): Deterministic and random terms	28
29	30 <u>EXTRA CLASS</u> BCM: Development of choice probability structure	31 BCM: Index-based interpetation and maximum likelihood estimation				

February

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			1	2 BCM: Maximum likelihood estimation (contd.)	3	4
5	6 <u>EXTRA CLASS</u> 1st hw given BCM: Fit measures and LIMDEP software overview	7 <u>NO CLASS</u>	8	9 BCM: Fit measures (contd.) and empirical specification/ interpretation issues	10	11
12	13 <u>EXTRA CLASS</u> BCM: Marginal effects and elasticity effects (including aggregate prediction issues)	14 Multinomial logit (MNL) model: Overview and choice probability structure	15	16 1st hw due MNL: Estimation and basic specification considerations	17	18
19	20 <u>EXTRA CLASS</u> 2nd hw given 1st hw returned MNL: Properties and elasticity/marginal effects	21 MNL: Data requirements and data structure	22	23 MNL: Application and interpretation	24	25
26	27	28 <u>NO CLASS</u>	29			

March

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<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
				1 MNL: Specification re- finement	2 <u>EXTRA CLASS</u> 2nd hw due MNL: Specification refinement/market segmentation	3
4	5	6 3rd hw given 2nd hw returned MNL: Partial segmentation and testing	7	8 Nested logit (NL) model: Motivation and basic formulation <u>Project abstract and outline due</u>	9	10
11	12 Spring break	13 Spring break	14 Spring break	15 Spring break	16 Spring break	17 Spring break
18	19 <u>EXTRA CLASS</u> 3rd hw due NL: Choice probabilities	20 NL: Implied competitive structure and estimation	21	22 <u>NO CLASS</u>	23	24
25	26	27 4th hw given 3rd hw returned NL: Testing alternative structures	28	29 Ordered-response (OR) models: Theory and structure	30	31

April

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1	2	3 OR models: Estimation and marginal/elasticity effects	4	5 4th hw due OR models: Application and comparison with MNL	6	7
8	9	10 5th hw given 4th hw returned Introduction to advanced models	11	12 <u>NO CLASS</u> Open for discussions regarding project	13	14
15	16	17 <u>NO CLASS</u> Open for discussions regarding project	18	19 5th hw due Student project presentations	20	21
22	23	24 <u>NO CLASS</u>	25	26 <i>Teaching evaluation</i> Student project presentations	27 <u>EXTRA CLASS</u> 5th hw returned Student project presentations	28
29	30					

May

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		1 <u>NO CLASS</u>	2	3 Student project presentations Course summary and wrap-up	4 UT last class day	5
6	7 No classes	8 <u>Course project written report due</u> No classes	9 Final exams	10 Final exams	11 Final exams	12 Final exams
13	14 Final exams	15 Final exams	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		