

# An Introductory Course in Environmental and Natural Resource Economics

AIT CC, Pathumthani, Thailand

2nd - 20th May, 2011

Week 1

Day	0	1	2	3	4	5
Time	Sun	Mon	Tue	Wed	Thu	Fri
	1-May	2-May	3-May	4-May	5-May	6-May
		1	5	9	13	17
9:00-10:30	<b>Arrival of Participants/Registration</b>	1. Welcome, Introduction, Logistics, Overview & Expectations 2. Use of Mathematics in Economics: A Review	Introduction to Natural Resource Economics: Non-Renewables	Renewable Resources - Fisheries	Forestry	Econometrics/STATA: Introduction
		AK/MN	RNB	RNB	RNB	MN
10:30		<i>Coffee Break</i>				
		2	6	10	14	18
11:00-12:30		Review of Differential Calculus & Static Optimization I	Non-Renewable Resources (contd)	Fisheries (cont)	Ground Water	Econometrics/STATA (contd.)
		MN	RNB	RNB	RNB	MN
12:30		<i>Lunch Break</i>				
1:30-2:00		<i>Discussion time for research projects (PS/RNB/MN)</i>				
		3	7	11	15	19
2:00-3:30		Review of Differential Calculus & Static Optimization II	Introduction to Dynamic Optimization	Vulnerability and Adaptation to Climate Change	Assignment 3 : Renewable Resources	Forests-- Examining Policy Options in India and Nepal
		MN	MN	Vilas Nitivattananon	MN	PS
3:30		<i>Tea Break</i>				
		4	8	12	16	20
4:00-5:30		Assignment 1: Review of Static Optimization	Assignment 2 : Non-Renewable Resources	How to design a good research project	Empirical Paper Presentation	Empirical Paper Presentation
	AK	MN	MN	PS	MN	
<b>RNB: RN Bhattacharya, PS: Priya Shyamsundar, MN: Mani Nepal; AK: Anuradha Kafle</b>						
5:30-6:30		REDD and Emission Reduction				
		Pablo Benitez				

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Week 2

Day	6&7	8	9	10	11	12	13	
Time	Sat/Sun 7&8-May	Mon 9-May	Tue 10-May	Wed 11-May	Thu 12-May	Fri 13-May	Sat 14-May	
		21	25	29	33	37		
9:00-10:30	<b>Sat - Field Trip &amp; Sun Free</b>	Global Change and the Earth System	Wealth and sustainable development	Non convex dynamics in ecosystems	Common Property Resources	Climate Change & Social Discounting -I	<b>Reading &amp; Project Preparation</b>	
		KGM	KGM	KGM	PD	PD		
10:30		<i>Coffee Break</i>		<i>Group Photograph</i>		<i>Coffee Break</i>		
		22	26	30	34	38		
11:00-12:30		Welfare and Environmental Economics -- A Review	Estimation of accounting prices of ecosystems	Social Capital & Environmental Externality	Poverty and Reproductive Behavior	Climate Change & Social Discounting - II		
		KGM	KGM	PD	PD	PD		
12:30 - 1:30		<i>Lunch Break</i>						
1:30-2:00		<i>Discussion time for research projects (PS/PD/KGM/MN)</i>						
		23	27	31	35	39		
2:00-3:30		Reading Time	Ecosystem Services	Project Discussion	Project Discussion	Reading Time		
		Group	KGM	PS/MN/KGM/PD	Group	Group		
3:30		<i>Coffee Break</i>						
		24	28	32	36	40		
4:00-5:30		Empirical Paper Presentation	Empirical Paper Presentation	Project Discussion	Empirical Paper Presentation	Atmospheric Brown Clouds (ABC) & CC		
	KGM/MN	KGM/MN	PS/PD/KGM/MN	PD/MN	Maheswar Rupakehti			

KGM: Karl Goran Maler, PD: Partha Dasgupta, PS: Priya Shyamsundar, MN: Mani Nepal

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**Week 3**

Day	14	15	16	17	18	19	20	
Time	Sun 15-May	Mon 16-May	Tue 17-May	Wed 18-May	Thu 19-May	Fir 20-May	Sat 21-May	
	<b>Reading and Project Preparation</b>	41	45	49	53	57	<b>Departure</b>	
9:00-10:30		Non-Market Valuation and CBA	Revealed Preference: Hedonic Method	Discrete Choice Modeling & RUM	Project Presentation	Project Presentation		
		EH	EH	EH	EH/PS/MN	EH/PS/MN		
10:30								
		42	46	50	54	58		
11:00-12:30		Revealed Preferences: Travel Cost Method	Stated Preference: CVM	Productivity Changes and Valuing Health Impacts	Project Presentation	Project Presentation		
		EH	EH	EH	EH/PS/MN	EH/PS/MN		
12:30		<i>Lunch Break</i>						
1:30-2:00		<i>Discussion time for research project (PS/EH/MN)</i>						
		43	47	51	55	59		
2:00-3:30		Assignment 4: Travel Cost	Assignment 5: Hedonics	Assignment 6: WTP Estimation	Project Presentation	Project Presentation		
		MN	MN	MN	EH/PS/MN	EH/PS/MN		
3:30								
		44	48	52	56	60		
4:00-5:30	Integrating Climate Models with Economic Analysis: Some Research Issues	Empirical Paper Presentation	Empirical Paper Presentation/ Project Preparation	Project Presentation	<b>Evaluation</b>			
	EH	EH/MN	EH/MN	EH/PS/MN	EH/PS/MN			

EH: Enamul Haque, PS: Priya Shyamsundar, MN: Mani Nepal