

TEACHING PLAN				
Agenda for survival: Learning the policies, practices and politics of environmental management in India (June 04 - August 02, 2008)				
Date	Session Title	What will be covered	Faculty	Time
04.06.08 (Wed.)	Registration	Registration formalities, introductions	Gita Kavarana	10:00 am - 10:30 am
	Orientation Lecture	Challenge of the balance	Sunita Narain	11:00 am - 12:00 am
	Tour	Tour: Resources & research facilities at CSE	Sharmila Sinha	12:15 pm - 1:00 pm
		LUNCH		1:00 pm - 2:00 pm
	Course introduction	Course Introduction (structure, objectives and expectations)	Gita Kavarana	2:00 pm - 3:15 pm
MODULE > Environmental(ism) in India: State of the resource				
05.06.08 (Thurs.)	Workshop	Introduction to elements of good writing, editing	Paromita Ukil, Souparno Bannerji	10:00 am - 11:00 am
		TEA		11:00 am - 11:15 am
	Library visit	Participants to familiarise themselves with the CSE library & the digital cataloguing systems, etc.	Kiran Panday	11:15 am - 11:45 pm
	Reading >	Politics of environment' -- essay by Anil Agarwal in library		11:45 am - 1:00 pm
		LUNCH		1:00 pm - 2:00 pm
	Tutorial	Discuss <i>Politics of Environment</i> essay	Pratap Pandey	3:30 pm - 4:30 pm
06.06.08 (Fri.)	Overview	State of the resource: Land use and land rights in India <ul style="list-style-type: none"> • From states to ecological zones • Land classification in India (agencies involved, overlaps, issues) • Overview of India's eco regions (show map) • CPRs, wastelands (importance, extent, pressures) • Resource curse & conflicts (poorest live on richest lands, & how this creates conflicts) 	Pratap Pandey	10:00 am - 11:15 am
		Lunch		1.00pm - 2.00pm
	Invited speaker	No one's lands: Understanding wastelands and common lands	Ashok Chowdhury	2:30 pm - 4:00 pm
	Film & discussion	<i>The living word</i> (Knud in a freewheeling conversation with Anil Agarwal)	Sharmila Sinha	
09.06.08 (Mon.)	Discussion > assignment	Discuss the magazine assignment; set roles, deadlines (writing, reporting, editing, production)	Aditya Batra, Paromita Ukil	10:00 am - 11:30 am
		TEA		11:30 am - 11:45 am
	Invited speaker	Water and Environmental History: Understanding British India for Critiquing Supply-Side Hydrology.	Rohan D'Souza	11:45 am - 1:00 pm
		LUNCH		1:00 pm - 2:00 pm
	Overview	State of the resource: Water resources <ul style="list-style-type: none"> • Water balance in India (sources, supply) • Groundwater: Overused, unaccounted • Demands by rural, urban, industrial sectors • Water rights regime & livelihood security • Official water management (irrigation, drinking water schemes, urban, industrial water demands) • Management models (River linking, water privatisation & pricing debate; big dams; community-managed regimes) 	Gita Kavarana	2:00 pm - 3:15 pm
10.06.08 (Tue.)	Overview	State of the resource: Energy in India <ul style="list-style-type: none"> • Energy sources, status, demand-supply across various sectors • Rural demands for biomass energy • Case of electricity • Understanding linkages with emissions • Renewables, nuclear or coal? Evaluating the choices 	Chandra Bhushan	10:00 am - 11:15 am
		LUNCH		1:00 pm - 2:00 pm
	Workshop	Introduction to elements of good writing, editing	Paromita Ukil	2:00 pm onwards
MODULE > Environmental(ism) in India: Governance imperatives				

11.06.08 (Wed.)	Overview	Administering the environment <ul style="list-style-type: none"> • Fractured governance systems • Terms defined: Standards; regulation; monitoring; laws • Why is environmental regulation in India weak • An example: the EIA process 	Chandra Bhushan	10:00 am - 11:15 am
	TEA			11:15 am - 11:30 am
	Invited speaker	Varieties of environmentalism in India <ul style="list-style-type: none"> • The movement today and its agenda(s) • Grassroots democracy: Leading community-led environmental movements 	Anupam Mishra	11:30 am - 1:00 pm
12.06.08 (Thurs.)	Invited speaker	The judiciary in environment <ul style="list-style-type: none"> • PILs; Brown vs Green Laws • Milestone judgements • The forest case • Assessment: Has environmental justice been served? 	Ritwick Dutta	10:00 am - 11:15 am
	TEA			11:15 am - 11:30 am
	Tutorial	Discussion on <i>Towards green villages</i>	Pratap Pandey	3:00 pm - 4:15 pm
MODULE > Biomass Imperatives & food security				
13.06.08 (Fri.)	Lecture	Forest management: An assessment <ul style="list-style-type: none"> • Forest governance: Brief historical overview • Community responses, innovation (JFM, CFM, other initiatives) 	Aditya Batra	10:00 am - 11:15 pm
	TEA			11:15 am - 11:30 am
	Film & Discussion	<i>Film > Village Republics</i> <ul style="list-style-type: none"> • Discuss how watershed is the new unit of development • Water as core of sustainable development • Changing focus: From hydrological to social & economic parameters • Imperatives of village-level planning 	Supriya Singh	11:30 am - 1:00 pm
16.06.08 (Mon.)	Invited speaker	Poverty as an environmental 'problem' <ul style="list-style-type: none"> • Current state and extent of biomass in the country • State of economy in various ecosystems • Poverty trends (concentration, chronic nature) • How poverty is measured, assessed; sources of data 	Richard Mahapatra	10:00 am - 11:15 am
	TEA			11:15 am - 11:30 am
	Lecture	NREGA: An ecological act?	Neha Sakujha	11:30 am - 1:00 pm
17.06.08 (Tue.)	Invited speaker	Panchayati Raj Institutions <ul style="list-style-type: none"> • Official response to centralisation crisis • Understanding the PRI structure • PRIs in project implementation • Other forms of democratic community decision-making (user groups, paani panchayats, self-help groups, caste panchayats, Village Development Committees/JFM, etc.) • Critiques: Gram sabha vs. gram panchayats; panchayats politicised; women's participation 	Sandip Das, Supriya Singh	10:00 am - 11:15 am
	TEA			11:15 am - 11:30 am
	Workshop	How to create a poverty line	Rajeev Betne	
MODULE > Ecological Livelihoods; Forests & Wildlife				
18.06.08 (Wed.)	Invited speaker	Sukhomajri: How a village-led eco-restoration project transformed livelihoods	SP Mittal	10:00 am - 11:15 am
	TEA			11:15 am - 11:30 am
	Invited speaker	Understanding the ecological basis of poverty in India	Richard Mahapatra	11:30 am - 1:00 pm
19.06.08 (Thurs.)	Student case studies	<ul style="list-style-type: none"> • Why the tiger is disappearing • Environmentalism of the poor • Forest Rights Act 	Sharmila Sinha, Aditya Batra, Pratap Pandey	10:00 am - 1:00 pm
	LUNCH			1:00 pm - 2:00 pm

	Film	Tiger: The death chronicles	Amit Shankar	2:00 pm - 3:00 pm
20.06.08 (Fri.)	Interactive workshop	How to measure the wealth of a village: Models and key indicators	Supriya, Neha Sakhuja	10:00 am - 11:15 am
		TEA		11:15 am - 11:30 am
	Discussion	Uncovering the 'environmental' angle in news	Pradip Saha	11:30 am - 1:00 pm
		LUNCH		1:00 pm - 2:00 pm
	Field trip briefing	What to see & what to expect; admin. details	Aditya Batra, Sharmila Sinha, Pratap Pandey	2:00 pm - 3:15 pm
Field trip to Himachal Pradesh & Uttarakhand				
Mon., 23.06.08 to Sun., 29.06.08	Field trip to Sukhomajri, Bunga, Bhakra Dam and Doon valley	<p>Schedule:</p> <p><u>23.06.08 (Mon.):</u> Leave late night (11:30 pm).</p> <p><u>24.06.08 (Tue.):</u> Reach Nangal by 07:00 am. Breakfast en route. Rest in hotel at Nangal. Proceed to Bhakra dam by 11:00 am. Dinner and night at Hotel Yadvendra Palace (Pinjore).</p> <p><u>25.06.08 (Wed.):</u> After breakfast, travel to Sukhomajri. Interaction with community members and walk through watershed works & forest. Lunch at Pinjore. Evening talk with Madhu Sarin on the Forest Rights Act & Sukhomajri. Dinner & night at Pinjore.</p> <p><u>26.06.08 (Thurs.):</u> After early breakfast, visit to Bunga. Lunch at Panchkula. Reach Dehradun by evening. Dinner and night at Rural Litigation Entitlement Kendra (RLEK).</p> <p><u>27.06.08 (Fri.):</u> After breakfast, talk by RLEK. Lunch at Dehradun. Post-lunch, leave for Gaidikhata resettlement camp. Evening and dinner at Haridwar. Night at RLEK.</p> <p><u>28.06.08 (Sat.):</u> After breakfast, visit Peeli / Doiwala to meet members of van gujjars living inside the forest. Evening at Rishikesh. Dinner in Dehradun. Night at RLEK.</p> <p><u>29.06.08 (Sun.):</u> After breakfast, proceed to Delhi (lunch en route). Reach Delhi by evening.</p>	Sharmila Sinha, Pratap Pandey, Aditya Batra, D.S. Bains	
30.06.08 (Mon.)		DAY OFF		
01.07.08 (Tue.)	Workshop	Discuss assignment	Parmomita Ukil, Aditya Batra	10:00 am - 11:15: am
		TEA		11:15 am - 11:30 am
	Invited speaker	<p>Land for 'development' & industrialisation: Grassroots responses</p> <ul style="list-style-type: none"> • Land use policy & property rights regimes in India • Overview of land reforms • Overview of the Land Acquisition Act & the R&R Act • Conflicts over land acquisition (Nandigram & Singur, SEZs, mining, dams & forest displacements) 	Suparno Lahiri	11:30 am - 1:00 pm
02.07.08 (Wed.)	Invited speaker	Cradle of culture	PS Ramakrishnan	
Towards sustainable industrialisation				
03.07.08 (Thurs.)	Overview	<p>Industry and resource use</p> <ul style="list-style-type: none"> • History of industrialisation trends in India • Resource use, employment, waste & pollution • What it takes to manufacture something (material intensity, etc.) • Pollution prevention & control: Fundamentals, case studies • Pollution hotspots: Cases 	Monali Zeya Hazra	
	Research discussion	<p>Understanding pollution</p> <ul style="list-style-type: none"> • How environmental standards & regulations are set • Pollution -- proxy vs actual • Case study: How pesticide standards are set in India 	Chandra Bhushan	

04.07.08 (Fri.)	Lecture	Why environmental regulation of industries in India is weak <ul style="list-style-type: none"> • Terms defined: Standards; regulation; monitoring; laws • Agencies & actors involved • New generation of regulations (Economic, market-based; informal, voluntary agreements, etc.) • An example: the EIA process 	Chandra Bhushan	
	Lecture	Resource curse: Case of mining	Monali Zeya Hazra	
07.07.08 (Mon.)	Lecture	Lecture: Industry's efforts to partner with communities: An assessment <ul style="list-style-type: none"> • Some interesting CSR initiatives • Farm forestry > paper industry • Biofuels > Food vs. energy debate in India 	Monali Zeya Hazra	
	Discussion	Small scale & polluting (Sponge iron; textile dyes in Pali, etc.)	Nivit Kumar Yadav	
MODULE > Toxic growth				
08.07.08 (Tue.)	Overview	Environment and health <ul style="list-style-type: none"> • How environmental changes and health impacts are linked • Some key terms (DALYs, etc.) • Scope of inquiry: Vector-borne, water borne, changes in nutrition, etc. • Structure & history of health delivery systems (aganwadis, ANMs, etc); policies, funding • Major milestones & critique of public health initiatives 	Gopi	11.30 - 1.00pm
	Film & discussion	<i>Smog, Inc.</i>	Anumita Roychowdhry	
09.07.08 (Wed.)	Overview	Food safety perspectives <ul style="list-style-type: none"> • Contamination of the food chain • Standards vs. regulation and monitoring • Deconstructing pollution standards in India: Proxy vs. Actual • Case study > Groundwater contamination: Aerated soft drinks 	Kushal Yadav	
	Discussion	Poison vs. nutrition	Kushal Yadav, Pratap Pandey	
MODULE: Contemporary challenge > Urban growth				
10.07.08 (Thurs.)	Lecture	Urban growth: state-of-art (India regional scene; global trends) <ul style="list-style-type: none"> • The concern (not organic growth; distress-led; taking poverty load of country) • Effects: Intensification of resource use (incl. waste); Land use (poor urban planning) 	Anumita Roychowdhury	
	Discussion	Rural residues: Delhi's urban villages	Shankar Musafir	
MODULE > Air pollution & mobility in Indian cities				
11.07.08 (Fri.)	Overview	Urban air pollution and mobility: A primer <ul style="list-style-type: none"> • Air pollution: Current status in Indian cities • Leapfrog imperatives • Congestion & its causes • Imperatives of re-planning living, working spaces 	Anumita Roychowdhury	
	Invited speaker	Public transport: Evaluating the choices	Geetam Tiwari	
14.07.08 (Mon.)	Survey & walk	Survey of peak morning traffic & congestion mix at Ambedkar Ngr. Crossing & walk through BRT corridor to understand mobility p[anning	APC team	
	Presentation	Presentation & discussion on findings		
15.07.08 (Tues)		Media strategy: How to write a press release	Souparno Bannerji	
	Discussion	Advocating change: Lessons from CSE's 'Right to Clean Air' campaign	Anumita Roychowdhury	
MODULE: Contemporary challenge > Urban water & waste management				
16.07.08 (Wed.)	Overview	Urban water management: Primer on the crisis <ul style="list-style-type: none"> • Demand-supply gap (cases, etc.) • Urban bias: Water supply from rural areas • Water-waste connection (cost; reuse, etc.) • Managing groundwater (govt. & community initiatives) • Lessons from the world: Govt. looking at models to further decentralise • From sewerage to sanitation: Understanding the paradigm shift for India 	RK Srinivasan	

	Overview	Solid waste management: Issues	Kushal Pal Yadav	10.00 am - 11.30 am
17.07.08 (Thurs.)	Field trip	Yamuna boat ride & visit to landfill	Shikha & Sharmila	12.30 pm
18.07.08 (Fri)		Off Day		
21.07.08 (Mon)	Film & discussion	<i>Faecal attraction</i>	Pradip Saha & SV Suresh Babu	
	Discussion	The water privatisation debate in urban India	SV Suresh Babu	
22.07.08 (Tue.)	Interactive workshop	Urban rainwater harvesting: A primer	Salahuddin Saiphy	
	Research workshop	How to create a water profile of a city	Salahuddin Saiphy, RK Srinivasan	
23.07.08 (Wed)	Field trip	Walk to Mehrauli Archaeology Park to view traditional RWH structures	Salahuddin Saiphy	
24.07.08 (Thurs.)		Student presentations		
25.07.08 (Fri.)		DAY OFF FOR ASSIGNMENT		
		MODULE: Climate change & global environmental governance		
28.07.08 (Mon.)	Overview	Global governance of the environment: Views from the South <ul style="list-style-type: none"> • Brief introduction to the Bretton Woods system, and India's affiliations to it • Understanding the terms: 1st /2nd/3rd worlds, Developed world/ developing world/LDCs etc. 	Pratap Pandey	
29.07.08 (Tue.)	Overview	Southern responses to climate change <ul style="list-style-type: none"> • Luxury emissions vs. survival emissions • Major climate negotiations: Milestones • Global political alignments on climate talks • Climate and trade 	Mario D'Souza	
	Exhibition	A take on official concern about climate change: DTE cartoons	Amit Shankar	
	Film & discussion	<i>An inconvenient truth</i>	Pradip Saha	
30.07.08 (Wed.)	Invited speaker	Climate change: receding glaciers, downstream hydrological effects' (focus on India).	Prof. Syed Iqbal Hasnain	
	Research workshop	Understanding the carbon economy & 'sinks'	Chandra Bhushan	
31.07.08 (Thurs.)	Lecture	Market-linked strategies: A critique of Clean Development Mechanism	Mario D'Souza	
	Film	Sunderbans	Pradip Saha	
01.08.08 (Fri.)		DAY OFF FOR ASSIGNMENT		
02.08.08 (Sat.)		Student presentations & certificate distribution		