

D-Lab

Fall 2003

Syllabus & Assignments

Week	Date	Topics	Assignments
1	3 Sep	Introduction Appropriate Technologies in the Developing World	In-Class Assignment 1: -World Facts Quiz Reading Assignment 1: -Excerpts from <u>Small is Beautiful</u> , Ernst Schumaker - <i>Kofi Annan's Astonishing Facts</i> , Barbara Crosette Writing Assignment 1: -Reaction piece to <u>Small is Beautiful</u>
	5 Sep	Introduction to target countries	Reading Assignment 2: - <i>Power to the People</i> , Peter Hawthorne - <u>Field Guide to Appropriate Technology</u> , pp 29 - 47
2	8 Sep	Intermediate Technology Participatory Development Stakeholder Analysis	In-Class Assignment 2: -Participatory Development Reading Assignment 3: - <i>Pushed to the Edge</i> , Norman Myers Homework Assignment 1: -Stakeholder Analysis
	10 Sep	Environment	Reading Assignment 4: - <u>Field Guide to Appropriate Technology</u> , pp 157 - 169
	12 Sep	Introduction to projects and partners	Homework Assignment 2: -Country selection

3	15 Sep	Energy issues in the developing world Guest Speaker: Samudra Vijay	Reading Assignment 5: - <u>Field Guide to Appropriate Technology</u> , pp 192 - 203
			Homework Assignment 3: -Energy worksheet
	17 Sep	Photo-voltaic system design Photo-voltaic electronics lab Guest Speaker: Jim Bales	Reading Assignment 6: - <i>The \$230-billion Global Lighting Energy Bill</i> , Evan Mills
			Homework Assignment 4: -Photo-voltaic lab
	19 Sep	Language 1: Greetings, grammar and getting to know people	Language Assignment 1
			Homework Assignment 5: -Current events
4	22 Sep	Student holiday: No class	
	24 Sep	Case study: Home illumination systems Guest Speaker: Maria Thompson Light Lab	Reading Assignment 7: - <u>Field Guide to Appropriate Technology</u> , pp 509 - 513 - <i>Forty Litres of Water a Day</i> , Hilary Bower
			- <u>The Right to Water</u> , World Health Organization pp 6 - 21
			Writing Assignment 2: Reaction piece on water readings
	26 Sep	History, economics, politics and current events More about partners and projects	In-Class Assignment 3: -Form Project Teams
5	29 Sep	Water issues in the developing world Guest Speaker: Daniele Lantagne Water lab	Homework Assignment 6: -Water testing

	1 Oct	Quiz 1 Water lab	Reading Assignment 8: - <i>Microfinance and Poverty Reduction: Experiences of Grameen Operation in Asia</i> , H.I. Latifee - <i>The Nature and Evolution of Poverty</i> , World Bank
			Writing Assignment 3: -Practicing Poverty
	3 Oct	International Development Forum	In Class-Assignment 4: -IDF worksheet
6	6 Oct	Poverty reduction schemes	Reading Assignment 9: - <u>Field Guide to Appropriate Technology</u> , pp 18 - 29
	8 Oct	Project Implementation Case Study: Guest Speaker: Prof Iqbal Qadir Field project planning	Homework Assignment 7: -Presentations
	10 Oct	Language Quiz 1 Language 2: Questions and answers	Language Assignment 2
7	13 Oct	Columbus Day: No Class	
	15 Oct	Team Presentations	Reading Assingment 10: - <i>Small Holding Up</i> , John Zarb - <u>Field Guide to Appropriate Technology</u> , pp 277 - 282
	17 Oct	Case Studies: Technology implementation	

8	20 Oct	Agriculture in the developing world	<p>Reading Assignment 11: <i>-The Case for Genetically Modified Crops with a Poverty Focus</i>, H. Atkinson, J. Green, S. Cowgill and A. Levesley <i>-The GM Mirage Will Not Help the Poor</i>, A. Wijeratna <i>-The Dark Side of Biotechnology</i>, P. Stumpf</p> <p>Writing Assignment 4: -Reaction piece on genetic modification articles</p>
	22 Oct	Agricultural Technology Showcase	<p>Reading Assignment 12: <i>-Reconceptualizing the Digital Divide</i>, Mark Warschauer</p>
	24 Oct	Cooking Lab	
9	27 Oct	Information Technology Guest Speaker: Ken Keniston	<p>Reading Assignment 13: <i>-High Technology and Low Income Communities</i>, D. Schon, B. Sanyal, W. Mitchell</p>
	29 Oct	Information Technology Guest Speaker: Leo Burd	<p>Reading Assignment 14: <i>-World Health Report</i>, WHO pp 1 - 26 <i>-Selections from Health and the Developing World</i>, J. Bryant</p> <p>Writing Assignment 5: -Reaction piece to <u>Health and the Developing World</u></p>
	31 Oct	Language Quiz 2 Language 3: Numbers, Time, Measurements	Language Assignment 3

10	3 Nov	Health issues in the developing world	Reading Assignment 15: - <u>World Health Report</u> , WHO pp 99 - 140 - <u>Dying for Growth</u> , pp 3 - 10, J. Millen, A. Irwin, J. Y. Kim
	5 Nov	Improving Health in the Developing World	Homework Assignment 8: -Trip Application
	7 Nov	Case Studies: Working with government and non-governemnt organizations. Guest Speaker: Edourdo Dorian	
11	10 Nov	Veterans Day: No Class	
	12 Nov	Quiz 2 Cross-Cultural Skills	Reading Assignment 16: - <u>Field Guide to Appropriate Technology</u> , pp 51 - 65 - <i>Supporting Women's Use of Information Technologies for Sustainable Development</i> , N. Hafkin, N. Taggart
	14 Nov	Cultural taboos Cultural implications of development projects	Reading Assignment 17: - <u>Field Guide to Appropriate Technology</u> , pp 12 - 16
12	17 Nov	Gender issues Field Project Planning	Reading Assignment 18: - <i>Manufacturing Enterprise</i> , ITDG
			Homework Assignment 8: -Final Presentations
	19 Nov	Manufacturing in developing countries	In-Class Assignment 5: -How things are made
			Homework Assignment 9: -Project progress report
21 Nov	Language Quiz 3 Language 4:	Language Assignment 4	

13	24 Nov	Manufacturing Case Study: Whirlwind International	Reading Assignment 19: -Artisan Profiles, Aid to Artisans
	26 Nov	No Class: Thanksgiving vacation	
	28 Nov	No Class: Thanksgiving Vacation	
14	1 Dec	Small enterprise development Artisans and crafts Field Project Planning	Reading Assignment 20: - <u>Field Guide to Appropriate Technology</u> , pp 114 - 122, 125 -129 - <i>Asking Appropriate Questions</i> , Marilyn Carr
	3 Dec	Survey Design and Interviewing Techniques Field Project Logistics Guest Speaker: Heather Lukacs	Homework Assignment 10: Field Project Preparation Worksheet
	5 Dec	Travel information, health, safety	
15	8 Dec	Final Presentations	
	10 Dec	Final Presentations Evaluations	