

INTERNATIONAL SHORTCOURSE ON AGROECOLOGY

Special Focus: Agroecology and Rural Communities in Heterogeneous Landscapes

Organized and Coordinated by:

Dr. Stephen R. Gliessman & Dr. Joji Muramoto

Dept. of Environmental Studies • Center for Agroecology & Sustainable Food Systems •
Program in Community and Agroecology (PICA) • Community Agroecology Network (CAN)
All at the University of California, Santa Cruz (UCSC)

Place: Program in Community and Agroecology (PICA), UCSC

Date: 13-26 July, 2003

Information: Dr. Joji Muramoto - shortcourse@agroecology.org
www.agroecology.org/shortcourse.htm

Eligibility: Full command of English (Written and Oral). Applicants should be professionals working in the areas of agriculture, ecology, natural resources management and/or rural development.

Description

This year's special focus applies an interdisciplinary perspective to the interactions between rural communities and the biophysical components of rural territories. Specifically, the course aims to explore the application of agroecology in the search for the sustainability of human and ecological communities within dynamic and heterogeneous landscapes.

Academic Activities

The course will consist of lectures, demonstrations, and field applications of agroecology. Discussions of course concepts will be complemented with on-farm experiences in research and production problems. Activities will include presentations on specific topics given by invited specialists, group discussions on assigned readings, hands-on lab and field activities, individual and group presentations, field trips to local farms, and the preparation of a case study demonstrating principles of agroecology and sustainability based on agroecosystems in the participant's home area. Participants will receive key texts, bibliographies, and publications in the field of agroecology, and will access the University of California library system and other on-line resources to search the contemporary knowledge-base on agroecology and sustainable agriculture. Given this year's special focus, the course content and duration have been expanded to include more in-depth field activities and interactions with farming communities of the Santa Cruz area.

ORGANIZERS/INSTRUCTORS

Stephen R. Gliessman (SG), Alfred Heller
Professor of Agroecology, UCSC

Joji Muramoto (JM), Research Associate, CASFS,
UCSC

Elizabeth Dougherty (ED), Program of
Ethnography and Folklore, University of
Pennsylvania

V. Ernesto Méndez (EM), Doc. Candidate, UCSC

Hilary Melcarek (HM), Doc. Candidate, UCSC

Jered Lawson (JL), CAFF

Jason Scorse (JS), Doc. Candidate, UCB

Laura Trujillo (LT), Professor, University of
Chapingo, México

Patricia Allen (PA), CASFS, UCSC

Roseann Cohen (RC), Doc. Candidate, UCSC

Sean Swezey, Director, UC-SAREP

Shannon Binns (SB), Professor, University of
British Columbia

and others!

OTHER INSTRUCTORS

Ariane de Bremond (AB), Doc. Candidate, UCSC

Andrew Marshall (AM), Doc. Candidate, UCSC

Andrew Riseman (AR), Professor, University of
British Columbia

Anil Shrestha (AS), UC-IPM, Kearney Ag. Center.

Brian Leahy (BL), CCOF

Chris Bacon (CB), Doc. Candidate, UCSC

Carlos Guadarrama (CG), Professor, University of
Chapingo, México

Carol Shennan (CS), CASFS, Professor, UCSC

SCHEDULE
INTERNATIONAL SHORTCOURSE ON AGROECOLOGY: JULY 14-26, 2003

DAY	TIME	INSTRUCTOR
Monday 14		
1. Introduction to the Course & to Agroecology		
Introduction, Course Overview & Welcome from UCSC Administration	8:00-9:00 am	SG, JM,
Introduction to Village facilities, logistics, PICA, CAN	9:00-10:00	SG, JM
<i>Coffee Break</i>	10:00-10:15	
Participant and Instructor Introductions & Presentations	10:15-12:15	ALL
<i>Lunch</i>	12:15-1:30 pm	
Concepts in Agroecology: The Ecological Foundation	2:00-3:00	SG
2. Sustainable Management of Natural Resources		
2.1 Soil & Nutrients	3:00-4:00	JM
<i>Coffee Break</i>	4:00-4:15	
Tour & Explanation of CASFS	4:15-5:15	CS
Tuesday 15		
2.2 Water	8:00-9:00 am	SG
2.3 Biotic Resources	9:00-10:00	SG
<i>Coffee Break</i>	10:00-10:15	
2.4 Ethnobotany and Plant Resources in Agroecosystems	11:15-12:15	SB
<i>Lunch</i>	12:15-1:30 pm	
2.5 Weed Management	1:30-2:30	AS
2.6 Insect Management/ Biological Control	2:30-3:30	SS
<i>Activity/Laboratory</i>	3:30-5:30	
2A Soil, Water & Nutrients		JM, SG
2B Insect/Weed/Disease Management		SS, AS, HM
Wednesday 16		
3. Agroecosystem Structure & Function		
3.1 Cropping System Design & Management	8:00-9:00 am	SG
3.2 Plant Breeding and Sustainable Agriculture	9:00-10:00	AR
3.3 Biodiversity & Pest Management	10:00-10:15	SS
<i>Coffee Break</i>	10:15-11:15	
3.4 Animals in sustainable agroecosystems	11:15-12:15	SG
<i>Lunch</i>	12:15-1:30 pm	
3.5 Agroforestry Systems and Homegardens	1:30-2:30	EM, RC
3.6 Organic Agroecosystems	2:30-3:30	SS, SG
<i>Activity/Laboratory</i>	3:30-5:30	
2A and 2B Complete laboratory activities		All
Presentations		
Thursday 17		
4. Social Dimensions in Agroecology		
4.1 Introduction: The human component in Natural Resources Management	8:00-8:15 am	SG
4.2 Agro-food Systems	8:00-9:00	CB
4.3 Land Tenure Issues	9:00-10:00	AB
<i>Break</i>	10:00-10:15	
4.4 Political Ecology of Coffee in Mexico	10:15-11:15	LT
4.5 Coffee farmer typologies in Mexico	11:15-12:15	CG
<i>Lunch</i>	12:15-1:30 pm	
4.6 Alternative Education in Sustainable Agriculture in the U.S.	1:30-2:30	AM
4.7 Food Security	2:30-3:30	PA
<i>Activity/Laboratory</i>	3:30-5:00	
Participatory Research and Training		EM
Planning the Rapid Farm Appraisals		ALL
Friday 18		
Rapid Appraisals (Farm Visits)	ALL DAY	

Saturday 19		
Rapid Appraisals (Farm and Market Visits)	ALL DAY	
Sunday 20	FREE !!!	
Monday 21		
4.8 Urban Agriculture	8:00-9:00 am	HM
4.9 Economics of Sustainability	9:00-10:00	JS
<i>Break</i>	10:00-10:15	
4.10 Community Alliances for Sustainability	10:15-11:15	JL
4.11 Organic Certification and Sustainability	11:15-12:15	BL
<i>Lunch</i>	12:15-1:30 pm	
Interdisciplinary Analysis of Agro-food Networks (Farm data)	1:30-2:30	SG, EM, HM, AM. CB, RC
Interdisciplinary Analysis of Agro-food Networks (Farm data)	2:30-3:30	
<i>Activity/Laboratory</i>	3:30-5:30	
Presentations		All
Tuesday 22		
5. Advanced Concepts in Agroecology: Introduction	8:00-8:15 am	SG
5.1 Landscape Approaches to Natural Resources Management	8:15-9:00	SG, EM
5.2 Environmental Services: Concepts & Key Issues	9:00-10:00	EM
<i>Break</i>	10:00-10:15	
5.3 Agroecology and the Politics of Conservation	10:15-11:15	ED
5.4 Integrating Culture and Agroecology	11:15-12:15	RC
<i>Lunch</i>	12:15-1:30 pm	
5.5 Social Sustainability: Moving Agroecology into Rural Communities	1:30-2:30	SG
5.6 Sustainability Indicators for Agroecosystems	2:30-3:30	SG
<i>Activity/Laboratory</i>	3:30-5:30	All
Analysis of Sustainability (Farm Data) and Presentations		
Wednesday 23		
6 Case Studies of Interdisciplinary Agroecological Research	8:00-8:15 am	SG
6.1 Sustainable Coffee in Mesoamerica	8:15-9:15	LT, CG, CB, EM
6.1 Continued...	9:15-10:15	
<i>Coffee Break and Cupping</i>	10:15-11:15	CB
6.2 Sustainable Strawberry Project	11:15-12:15	JM, SG
<i>Lunch</i>	12:15-1:30 pm	
6.3 Organic Conversions	1:30-2:30	SG
6.4 Conversion Case Studies	2:30-3:30	SS
<i>Activity/Laboratory</i>	3:30-5:30	ALL
6.5 Creating a Case Study Online: an Introduction		
Thursday 24		
6.6 Case Study Development	8:00-9:00	SG
Case Study Development	9:00-10:00 am	All
<i>Break</i>	10:00-10:15	
Case Study Development	10:15-11:15	All
Getting the Case Study Online	11:15-12:15	All
<i>Lunch</i>	12:15-1:30 pm	
Completing a Case Study/Presentations	2:00-5:30	All
Friday 25		
7. Conclusion: Transitioning to Sustainable Agriculture	8:30-9:30 am	SG
7.1 Networking Communities for Sustainability	9:30-10:30	SG
<i>Break</i>	10:30-11:00	
Discussion and Course Evaluation	11:00-12:15	All
<i>Lunch</i>	12:30-1:30 pm	
Going Away Party !!!	7:00	All
Saturday 26: Departure ®		