

Field Training in World Hunger and Malnutrition:
Practical Skills to Make a Difference
May 16 - 29, 2010
Course Objectives

This course is designed to:

- 1) Give participants a better understanding of major causes of world hunger and malnutrition
- 2) Demonstrate specific appropriate technologies that can be used to combat hunger and malnutrition
- 3) Increase sensitivity to community development and cross-cultural issues
- 4) Provide a learning atmosphere of adult participatory education which includes engaged dialogue, critical thinking, and hands-on learning.

Courses taught fall into one of the six categories below. Within each category, participants will be able to:

I. Food Production:

Make raised beds for gardening
Set up simple drip irrigation
Identify options for urban gardening and gardening in difficult conditions
Demonstrate alternatives to expensive commercial fertilizers and pesticides
Suggest modifications for gardening for those with HIV/AIDS
Name key underutilized tropical plants with much promise

II. Water and Sanitation Technologies:

Make a simple water pump
Make a tippy-tap
Set up a Bio-sand filter
Learn the Sodis method of water purification
Identify other low-tech methods of water purification
Describe two low-tech inexpensive techniques for drilling a well in areas with accessible surface water
Identify major latrine types and advantages

III. Food Preservation/Fortification Technologies:

Preserve foods with an evaporative cooler or "pot in a pot" method
Make a simple solar dryer and preserve foods by drying
Consider additional methods of food preservation
Make leaf powder and leaf concentrate
Cook a variety of foods fortified with leaf powder
Identify ways of reducing loss of post-harvest food

IV. Child Nutrition:

Assess basic child malnutrition in a community
Identify most effective intervention strategies
Identify major micronutrient deficiencies and strategies for reduction
Promote basic child survival technologies such as GOBI appropriately
Address parasites at the community level
Make nutritious weaning foods

V. Alternative Household Energy:

Build and cook with a solar cooker
Build and cook with a fireless cooker
Build and cook with a sawdust stove
Build and cook with a 16-brick stove
Demonstrate core principles of fuel efficient cookstoves
Explain how alternative household energies can impact world hunger

VI. Community Development / Needs & Resource Assessment:

Demonstrate group participatory methods to raise community awareness and participation in addressing basic human needs.

Become sensitized to the vital importance of community participation for sustainability and true community development.

Be familiar with the CD library resource collection in appropriate technologies and community development distributed at SIFAT.

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