



Agroecology Program



An Innovative Agricultural Science Education at a Non-Land-Grant University

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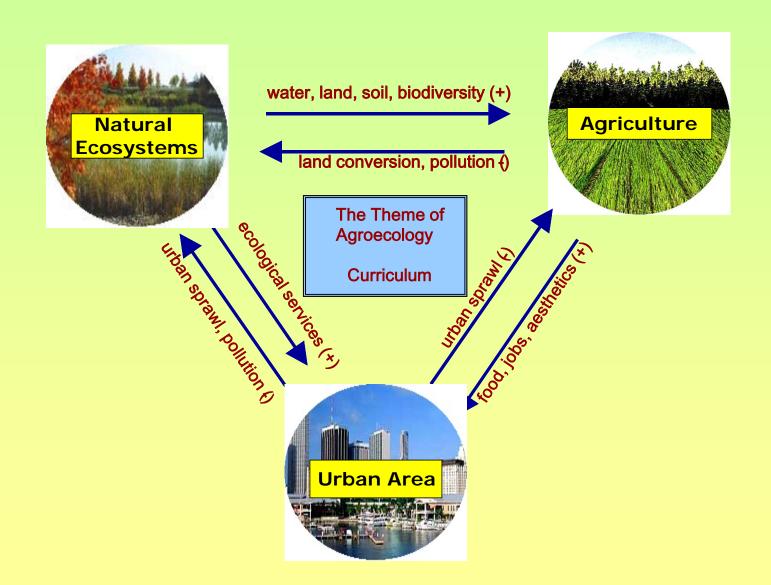
Theme

Promoting Student-Centered Learning and Engagement

FIU's Vision and Mission

Student-Centered Urban Public Research University







Structure

- Objectives
- **❖**Recruitment

- Teaching
- *Research

Outreach



Objectives of the FIU-Agroecology Program

- Continue to offer a comprehensive agroecology program at FIU by targeting under-represented populations and a significant number of freshmen from high schools and transfer students from Miami Dade College with agriculture sciences background
- Incorporate scientific instrumentation into the agricultural sciences curriculum
- Establish campus organic garden to provide students with hands on experience
- Promote agriculture careers Jobs or Graduate Education



Recruitment Activities

- Biannual visit to six Miami-Dade County Senior High Schools (STEAM Academy)
- Summer workshops for High School Students in STEAM area
- Environmental Immersion Day for High School Students through Fairchild Challenge Program
- Participation in Fairchild Challenge Competition Judge
- Participation in Miami-Dade County Science and Engineering Fair Judge and best project awards





Agrocology curriculum and increase the enrollment of under-represented students

Undergraduate Program

Major in Agriculture Sciences – Fall 2015

Degree: BS Environmental Studies

Some of the Courses:

Horticulture + Lab Agronomy – Modern Crop Production Soil Science + Lab Soil Microbiology + Lab **Integrated Pest Management Agriculture Colloquium Agriculture Internship** Agroecology



Sustainable Agriculture



Research Activities

- Incorporate scientific field experiments as requirement for Agroecology and Sustainable Agriculture courses
- Agroecology class students conducted various field experiments. The focus of these projects is sustainable agriculture production
- 250 students took part in different field experiments









Campus Organic Garden

Exp. Learning Activities



Shade house



Permaculture



Community Garden



Fish pond



Vermiculture unit



Native edible

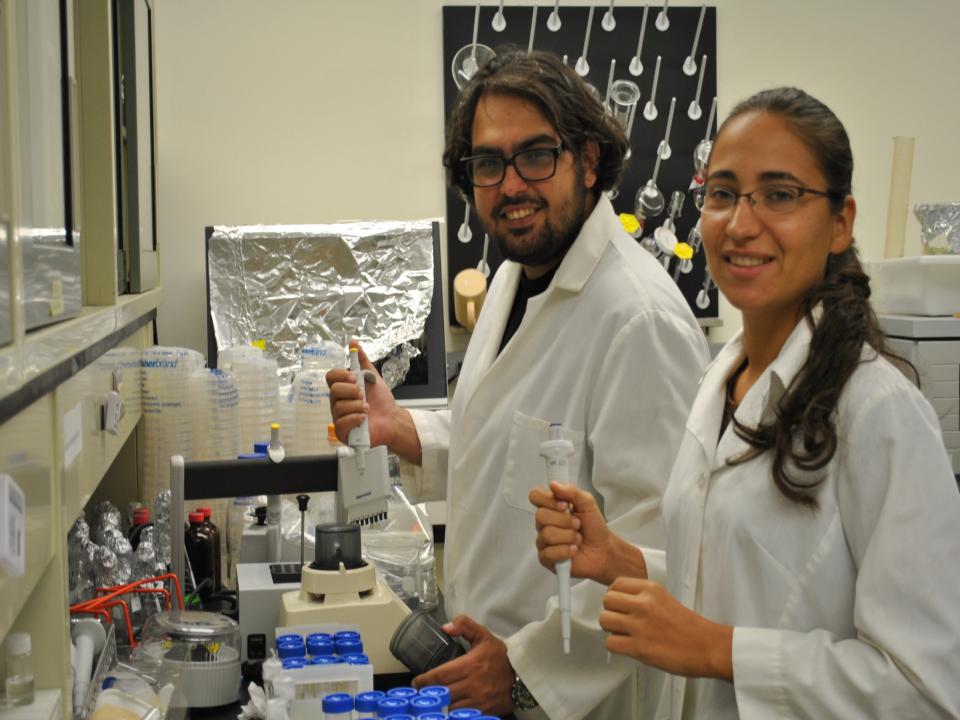






Students Research













❖ Goal:

Outreach Activities

Annual Agroecology Symposium:



Tuesday, February 24th, 2009 Florida International University MARC Building Pavilion



Registration at 9:00 am

- -- bring together academicians, agricultural agency and extension personnel, and farmers to FIU to address emerging issues in sustainable agriculture science for the benefit of students and faculty
- -- showcase the agroecology student projects & provide them with professional experience of communication and interaction





















Collaborators

Inter American University



Fairchild Tropical Botanical Garden







Bee Heaven Farm

Certified organic by QCS since 1997



Saint Thomas University

Miami-Dade

College

Earth Learning





http://agroecology.fiu.edu

This entire program success is possible by funding through: **USDA-NIFA-MSP USDA-NIFA-NNF USDA-NIFA-HSI** Collaborators, Partners, Faculty, and Students