

Course Offering

Ecological Design and Applied Ecosystems

_____, 2002

Prescott, Arizona

Taught by: Marc Companion of Ocean Arks International
in partnership with the Ecosa Institute and Prescott College



Living ecosystems treat wastewater on-site to meet state standards for discharge or reuse.

Using nature's cycles and processes as inspiration, humans can learn to create buildings, technologies and communities that produce no waste and make astonishingly efficient use of natural resources.

In this fun and interactive 3 day course, learn the fundamentals of ecological design using living ecosystems in a variety of applications. Our explorations will include proven ecological technologies for wastewater treatment, repairing damaged bodies of water, converting food waste into food, and regulating building climates.



Floating Restorer ecosystems repair polluted bodies of water

We will also discuss how to integrate living ecosystems into schools and educational programs as a "living laboratory" for hands-on learning and research.

To learn the theory and practice of how contained ecosystems function, we will design and build a small-scale educational living machine for display in the Prescott area. Fieldwork will involve collecting live organisms, mud and organic matter from nearby streams and wetlands to seed our living system with life.



Educational ecosystems: The Classroom Living Machine



A display ecosystem built by students at Berea College in Kentucky.



Ecological agriculture: food waste is converted into fish, vegetables, and horticultural crops.



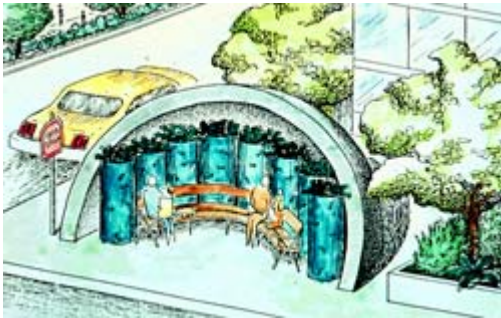
Green buildings: plants and aquatic systems purify air, regulate indoor climates, and treat waste.

We will also conduct group design charrettes to collectively brainstorm ecological strategies for your own specific projects and interests.

For more information on the course, contact Marc Companion at

marcc@together.net

phone: 802-860-0011



Learn ways to integrate living systems technology into your community.

For travel and accommodation information, contact Rob Israel at the Ecosa Institute

ecosa@mwaz.com

phone: 928-541-1002

Course Fee: \$350 for advanced registration. Ocean Arks members receive a 10% discount. Cost at time of arrival is \$400. Space is limited to 20.

To Register: phone the Ocean Arks office at 802-860-0011.

We accept Visa and MasterCard.



Ocean Arks International is a non-profit organization founded by John and Nancy Todd to purify the waters of the earth and develop strategies for living more lightly on the planet. Our work includes research, development, and education in many areas, such as: living systems for waste treatment and repairing damaged ecosystems, ecological food production technologies, solar architecture and bio-shelters, and industrial ecology.

