

INSTRUCTIONAL STAFF

Course instructors are drawn from representative sectors of the agricultural and environmental biotechnology community, including research scientists from various MSU departments, other universities, private companies, regulatory officials from state and federal agencies, specialists in information resources, and individuals experienced in biotechnology implementation from international perspective.

Our training team has strong expertise and practical experience in all aspects of biotechnology and biotechnology. Members of our training team have participated and conducted a number of training programs in both local and international settings.

Organized by:



WorldTAP

World Technology Access Program
(WorldTAP)

<http://worldtap.msu.edu/>

CONTACT

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Application Deadline:

August 15, 2013

Course Fee per Participant:

**Registration Fee: \$ 250
(non -Refundable)**

Course Fee: \$ 6,000

Course fee includes: instruction fee, course materials, air travel within the U.S., local ground travel, meals & lodging at three locations in the U.S. including Washington, D.C., East Lansing, MI & research institutions in another state.

Please make check payable to:
Michigan State University

MICHIGAN STATE
UNIVERSITY

**International
Agricultural
Biotechnology
Short Course**

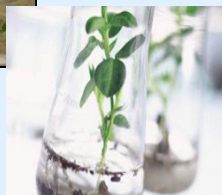
September 8 - 20, 2013



COURSE RATIONALE

An exciting wave of discovery in biotechnology is revolutionizing agriculture worldwide. Globally, countries are trying to increase the productivity and profitability of the agricultural sector of their economies, to feed growing populations and increase the quality of life for millions of people. Those goals must be achieved through practices that sustain those gains while protecting the environment and human health, and conserving biodiversity and other natural resources.

Agriculture throughout the world is in the early stages of a new biological revolution. Research has led to rapid advances in biotechnology and to a greater understanding of biological processes. This course is designed to help participants better understand the complex issues surrounding the use and management of biotechnology globally.



COURSE DESCRIPTION

Michigan State University (MSU) is recognized as a center of excellence in international agricultural development and training. MSU has emerged as a leader among U.S. Land Grant institutions in building capacity in biotechnology research and management around the globe to enhance food and nutritional security, environmental quality, and economic development. MSU will partner with state and federal agencies and private sector institutions and offer a two-week short course in agricultural biotechnology. This short course will encompass biotechnology research, policies, management, networking, and public outreach components. In addition, biotechnology-related trade issues will be covered in the course.

The short course will be offered annually. The course



will draw from firmly established working relationships with government agencies, industry leaders, US universities, MSU faculty specialists, MSU research stations, farmer groups, commodity associations, consumer groups, NGOs, and international development organizations that are supportive of biotechnology research and development globally. This uniquely diverse course take an interactive and participatory approach, and use a broad mix of applied classroom instruction, case studies, panel/group discussions, and laboratory, greenhouse, and field visits.



COURSE COMPONENTS

- Applications of biotechnology in agriculture and global overview of biotechnology.
- Biotechnology research and development in the U.S.
- Biotechnology policies and regulatory framework in a national and global context: environmental biosafety, biodiversity, and food safety.
- International food laws and regulations (CODEX, WTO, OECD, FAO, United Nations Biosafety Protocol).
- Intellectual Property Rights (IPR), technology transfer and commercialization of biotechnology.
- Public-private sector partnerships.
- Socio-economic impacts of biotechnology.
- Biotechnology and international trade.
- Adoption/acceptance of new technology.
- Consumer acceptance, public perception, and communication in biotechnology.
- Field visits to farmers growing biotechnology crops.
- Information and training resources in agricultural biotechnology.

