**Course Titles:**

**Course 1:** The Kenya Tour (3 credits)

E400/E555/V450/V550: The Kenya Tour: Public and Environmental Policy in Kenya (TCHABROAD)

E400/E555: The Kenya Tour: Environmental Science and Management in Kenya (TCHABROAD)

V450/V550: The Kenya Tour: Modern Kenyan Culture and Society (TCHABROAD)

H455/E400/E555: The Kenya Tour: Public and Environmental Health in Kenya (TCHABROAD)

**Course 2:** Kenya Case Study (3 credits)

E400/V450/H455/E555/V550 Kenya Case Study: From Policy to Practice

**Institutional Collaborators:**
Indiana University (Bloomington, IN, USA) and Moi University (Eldoret, Kenya)

**Location:** Eldoret, Kenya

**Dates:** In Kenya: Thursday, July 1st – Saturday July 31st, 2010

**Lead Instructors:**
Indiana University: Dr. Diane Henshel and Dr. Henry Wakhungu
Moi University: Dr. Susan Chebet, Dr. Gelas Simiyu, Dr. James Chelanga, Dr. William Kitagwa

**Credit Hourss for Students:** Six (two, three-credit SPEA courses, E400, E555, H455, V450, or H550 courses)

**Course Language:** English

**Program Overview:**

This four week summer program will introduce participants to Kenya, Kenyan society and culture, politics, history, environmental concerns, geography, environmental policy and management, and public health considerations through the mechanism of two weeks of in class lectures and discussions, a week of day trips combined with lectures, and an extended (one week) bus tour during which the faculty will provide shorter lectures and lead guided discussions and the students will do field research in preparation for final reports and formal presentations.

This tour is a modification of a longstanding Moi University course that takes students and accompanying faculty to four main regions of Kenya: (1) the Great Rift Valley, (2) the coast on the Indian Ocean, (3) Lake Victoria, and (4) the Masai Mara National Park.

USA participants will work side by side with their Kenyan peers studying Kenya from one of the four disciplinary perspectives delineated above. In the evenings, Kenyans and Americans
will work together in cross-disciplinary teams considering a relevant question or issue from a cross-disciplinary perspective. Examples of such questions or issues might be “How do gender roles affect productivity in the society?” or “What impact is AIDS having on the Kenyan people?” or “What are the prospects for sustainable use of water throughout Kenya?” or “What opportunities are there for developing alternative energy technologies throughout Kenya”, and “What impact will the access to alternative energy sources have on the society?”. At the end of the tour, the student cross-disciplinary teams will return to Moi University’s Main campus to develop a formal final report and make a presentation at an all-day seminar. The last full day in the program will include a closing graduation ceremony hosted by Dr. Mibey, the Moi University Vice-Chancellor.

The goals of the four week summer program are:
1. To introduce participants to the main regions of Kenya, studying culture, society, the geology of each region, politics, public policy, wildlife management, and environmental science and management.
2. To enable participants to study in depth one of the 4 topics of the course within the Kenyan context (the disciplinary focus)
3. To enable participants to study in depth a cross-disciplinary issue in teams composed of both IU and Moi University students.
4. To develop a network of Kenyan friends and faculty mentors.
5. To help all the participants develop an understanding and appreciation of another culture.

This part of the complete program builds on a course already offered to Kenyan students at Moi University through the School of Environmental Studies called *Environmental Impact Assessment*.

Before arriving at Moi University campus to join Kenyan students in the course, IU students will take a short two day tour to visit Nairobi National Park, the National Museum, and two small lakes, Lake Borgoria and Hot Springs and Lake Baringo.

**Disciplinary Tracks**
1. Science and Natural Resource Management/Agricultural Management (This is the original Environmental Impact Assessment course, adding or incorporating the issues associated with the agricultural regions of Kenya.)
2. Kenyan Society and Culture
3. Kenyan Public, Social, Environmental and Political Policy
4. Public and Human Environmental Health

There is one Moi University faculty member per track, and two cross-disciplinary IU faculty members traveling and helping according to their disciplinary expertise.

**Learning Objectives:**
The learning objectives of the four week summer program are:
1. To introduce students to the main regions of Kenya, studying culture, society, the geology of each region, politics, public policy, wildlife management, and environmental science and management.
2. To enable students to study in depth one of the 4 topics of the course within the Kenyan context (the disciplinary focus)
3. To enable students to study in depth a cross-disciplinary issue in teams composed of both IU and Moi University students
4. To help IU students develop an understanding and appreciation of another culture.

In addition, the course will help the IU students develop a network of Kenyan friends and faculty mentors.

Class Schedule:
Classes will be held Monday through Friday 8 a.m. through 5 p.m. with a 1.5 hour lunch break, and a “health break” after every 1.5 – 2 hours of class, as per standard Moi University class practices.
Field trips will be held mostly on the weekends and during the extended nine day Kenya bus tour.

Students will meet in the evenings after dinner in their interdisciplinary groups to work on their final reports and presentations. Faculty will circulate among the groups to help guide the discussions and help provide resources and information as needed.

Course Work Products (Formal Evidence of Learning):
1. Formal team reports addressing cross-disciplinary question chosen by team at the beginning of the course.
2. Formal report presentation to the university community in a formal symposium format.
3. Daily journals reflecting on their lessons and experience from their disciplinary perspective. Undergraduates are required to write a minimum of four single spaced pages per week (generally one page four times a week) and graduate students are required to write a minimum of 7 single spaced pages per week (generally one page per day).
4. Blog – students are expected to contribute to the course blog at least once a week.
5. Facebook – students are expected to contribute to the facebook page at least once a week.

Grades and Expectations:

Students will receive grades for the two courses separately.

Kenya Case Study:
The grades for the Kenya Case Study will be based on the formal report and final presentation, as well as on attendance in lectures, participation in class and group discussions, and attitude.

Kenya Tour:
The grades for the Kenya Tour will be based on the daily journals, the blog and facebook contributions, and on participation in group and class discussions on the field trips and attitude.

Readings must be completed before lectures. Readings supplied digitally will be (are) available to the students through the linked Kenya Today preparatory course Oncourse site. The required textbook (Maathai’s book: The Challenge for Africa) is available through the bookstores currently.
No academic dishonesty will be tolerated. All final reports will be submitted through TurnItIn to ensure that all cited material is appropriately paraphrased rather than quoted too extensively.

**Required Texts:**


**Lecture Topics:**

July 4th: Informal meeting of all course participants (Moi and IU combined)

July 5th: Official Launching, Lectures 1,2
- Course Introductions, expectations, introduction to group projects, project cycle timing.
- Visit campus resource locations

July 6th: Lectures 3,4,5,6, 7,8
- Overviews of environment, health, policy, society and culture
- Discussion of individual interests (to facilitate group formation)
- Brainstorming to identify cross-disciplinary questions (break outs, then whole class)

July 7th: Group formation and choosing group topics
- Lectures 9,10
  - Environmental Impact Assessment Introduction (E400, E555 – Track 1)
  - Cultural practices, indigenous knowledge, ethnobotany, traditional medicine (Track 2)
- Afternoon: Tour of Eldoret and AMPATH hospital and related programs, Rivatex tour

July 8th: Lectures 11,12
- Public participation in Environmental Impact assessment (EIA; Track 1)
- Environmental Management systems and standards (Track 1)
- Energy Issues; How to make a solar cooker (assignment – making a solar cooker for providing to the community; Track 2)
- Afternoon: Group research for project, presentation to class of cross-disciplinary research question and rationale.
- Discussion of expectations during field trips.

July 9th: Field trip to Yala Swamp

July 10th: Field trip to Kakamega Forest

July 11th: Field trip to Kitale Natural Conservances and Saiwa Swamp Park

July 12th: Lectures 13,14,15,16
- EIA Identification Methods, Impact prediction and assessment, EIA and health issues (Track 1)
- Health Impact Assessment (Tracks 1,2)
- Health, sexuality, diseases (malaria, AIDS, cholera) – linkage to behavior and attitudes, food, water, health practices. (Track 2)
- Male and female rites of maturation and training for adulthood (Track 2)
- Afternoon: work on group projects

July 13th: Lectures 17,18,19,20
- EIA and Policy issues (Track 1)
- EIA and Impact mitigation (Track 1)
- EIA Process: writing an EIA report, writing an EIS (Track 1)
- Doing an environmental audit (Track 1)
Water Issues: natural pollution and human impacts (algae, invasive species, human effects on fish populations); Anthropogenic pollution; Pollutant effects on biota; Overview of health risk assessment (Track 2)
Afternoon: group work on projects, consultations with faculty

July 14th: Lectures 21,22
   EIA process, report and EIS continued (Track 1)
   Forest Issues (forest as a natural resource and common property, deforestation, flooding, interactions and use by wildlife) (Track 2)
Afternoon: work in groups, consultations with faculty

July 15th: Field trip to Flourspar Mines and Tumdo ne Leel Field Station
July 16th: Start on Kenya Tour. Visit to Kapsumbeiyo Tea Factory, Kericho Tea Estates, Bomet
July 17th: Masai Mara National Park (lectures by Dr. Sarem, Narok University College)
July 18th: travel to Mombasa
July 19th: Msima Springs, the Five Sisters Hills, and Mashedani Lava Fields in Tsavo West National Park.
July 20th: South Coast: Likoni, Diani Reef, Titanium Mines, Kwale Sugar Farms
July 21st: North Coast: Kilifi town, Gede Ruins, Arabuko Sokoke Forest, Kipepeo Farms
July 22nd: Malindi Marine Park, Malindi Reptile Farm, Mombasa Salt Works, San Marco Space Station
July 23rd: travel back to Eldoret: Stop in Fort Jesus and Mama Ngina Close (Mombasa)
July 24th: Preparation of final reports
July 25th: Preparation of final reports
   Afternoon: Field Trip to Kesses Dam
July 26th: Final report preparation, meet with faculty for final consultation for reports
July 27th: Reports handed in, faculty grading, students preparing final presentations
July 28th: Final Symposium (Moi University community invited)
July 29th: Closing ceremony in the morning
   Afternoon: packing, preparation to leave
July 30th: Leave for Nairobi Airport for evening departure. Lunch stop in Nakuru.