**Florida Institute of Technology**

**ADDING A NEW COURSE TO THE CURRICULUM**

This is a request for reactivation of a course in the system.  
☐ Yes  ☐ No

**New courses are available beginning with the fall term in which they appear in the University Catalog.**

**SUBJECT**  
(B, 10)  
(Course No.  
(Catalog: 100)

**CREDIT HOURS**  
(3)

**ACADEMIC YEAR TO BE ADDED TO THE FILE**  
(Fall 2016  
(Fall 2010)

**CLASS HOURS**  
(20 semester)

**LECTURE HOURS**  
(10 semester)

**LAB HOURS**  
(100 semester)

**CONTACT HOURS (CEU ONLY)**  
(N/A)

**DEPARTMENT**  
(Biological Sciences)

**SCHEDULE TYPE**  
(Field D)

**COMPANY TITLE**  
(Field Bio & Eco-Africa)

**This course will be entered into the system as:**  
☐ BI Level  
☐ Cross Listed  
☐ Dual Numbered  
☐ Full Load  
☐ None of these/Standard Listing

**CATALOG TITLE**  
(Field Biology and Ecology—Africa)

**CATALOG DESCRIPTION OF COURSE** (Restricted to 350 characters, including spaces)

Students spend two weeks in Kenya, investigating patterns of abundance, distribution, habitat requirements and behavior common to vertebrate species of African savannah ecosystems. Begins with one week on the main campus in Melbourne.

This description has been approved by the catalog office.  
**Catalog & Curriculum Manager Date**

In addition, please attach a course syllabus and/or a more detailed description.

**REstrictions**  
☐ Prerequisite  
☐ Corequisite

**Course Number:**  
(1020)

**Grade to be Issued**

☐ A, B, C, D, F  
☐ A, B, C, D, F, CEU/Audit  
☐ CEU  
☐ S, U  
☐ F, F  
☐ Other

**ADDITIONAL RESTRICTION**

☐ and  
☐ or

**If this course replaces a course currently offered in BANNER, please indicate old course information and the date term the course may be removed from the system.**

**SUBJECT**  
(B, 10)  
(Course No.  
(Catalog: 100)

**TERM TO INACTIVATE**

☐ Yes  ☐ No

**Will this course be used to measure program-level student learning outcomes?**  
If yes, review and signature required.**

**Will this course be used to satisfy the scholarly inquiry requirement?**  
If yes, attach "Q" materials for review.

**Will this course impact any existing programs?**  
If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

**APPROVALS:** On completion of description and course number verification, affix appropriate signatures as indicated, and submit to the Office of Graduate Programs, or Undergraduate Curriculum Committee Chair for placement on agenda.

**Chair, Graduate Council Date**

**Chair, Undergraduate Curriculum Committee Date**

**Dean or Associate Dean Date**

**Catalog & Curriculum Manager Date**

**Florida Institute of Technology • Office of the Registrar**

150 West University Boulevard, Melbourne, FL 32901-6975 • (321) 674-8114 • Fax (321) 674-7827

RGR-253-015
Syllabus outline for Course Bio 2925 (3 credits)

Goal: Students will learn the basics of savanna ecology, be able to identify common animals of Kenya, develop an understanding of key behavioral adaptations of predators and prey. Students will learn and practice observational techniques in the context of hypothesis testing.

Instructor: Dr. Mark Bush

The course will consist of a preparatory week taught in Melbourne, followed by 2 weeks of field study in Kenya.

1 week in Melbourne
Theme: African Savanna ecology
Each day will consist of 3, 1.15 hr lectures, and one 90 minute session of literature review and group discussion.

Day 1:
9-10.15: The location and climate of savannas
10.45-12: The history of savannas
1.00-2.15: Our itinerary, checklists, and opportunities
2.30-4.00: Project search and formulation

Day 2
9-10.15: Evolution of humans in savannas
10.45-12: Modern savanna ecosystem ecology
1.00-2.15: Modern savanna community ecology
2.30-4.00: Project search, group discussion

Day 3
9-10.15: The ungulates
10.45-12: The carnivora
1.00-2.15: Field techniques 1
2.30-4.00: Project search, group discussion, hypothesis generation

Day 4
9-10.15: Other large mammals
10.45-12: Birds of prey and carrion
1.00-2.15: Seed dispersers
2.30-4.00: Project presentation: hypotheses and expectations

Day 5
9-10.15: Exam
10.30-12: Field techniques 2

Field class:

Day 1 Fly from MCO – Nairobi Overnight flight
Day 2 Arrive Nairobi early evening. Overnight in Nairobi

Day 3 Nairobi-Samburu. 4 hr drive to Samburu National Reserve.
Evening game drive.
Discussion paper (TBD)

Day 4 Samburu Morning and afternoon game drive at Samburu National Reserve.
Discussion paper (TBD)
Day 5 Samburu-Ol Pajeta
Drive to Ol Pajeta, arriving in time for Evening game drive
Discussion paper (TBD)

Day 6 Ol Pajeta-Aberdares
Morning game drive at Ol Pajeta, transfer to Aberdares, evening game drive.
Discussion paper (TBD)

Day 7 Aberdares
Full day game drive
Discussion paper (TBD)

Day 8 Aberdares-Lake Naivasha
Arrive Lake Naivasha in the pm. Boat tour for wildlife
Discussion paper (TBD)

Day 9 Lake Naivasha-Masai Mara
Transfer to Masai-Mara
Discussion paper (TBD)

Days 10 - 12 Masai Mara
Full day game drives
Discussion papers (TBD)

Day 13 Masai Mara-Nairobi
Early morning game drive. Depart after game to Nairobi to catch international flight back home.

Day 14 Arrive MCO.

Evaluation of field portion will be based on participation, Daily Journal and Project report (due 2 weeks after return).

Grading:
Exam 25%
Participation 15%
Journal 20%
Project report 40%