



AFRICA FOREIGN STUDY PROGRAM
DARTMOUTH COLLEGE
ENVIRONMENTAL STUDIES

SYLLABUS ENVS 42 FALL 2005

THE POLITICAL ECONOMY OF SOUTHERN AFRICA

Course Description: Environmental Studies 42 introduces the political economy of Southern Africa. Using competitive demands on the environment as its intellectual prism, the course investigates the historical, social, political and economic forces that are shaping modern-day Southern Africa. These forces include colonial and post-colonial land use strategies; agriculture and economic development; wildlife management and the role of parks, preserves and safari areas; tourism demands and impacts; and industrialisation and the urban environment. Students will investigate these issues in depth and first-hand and be conversant with the environmental policies that address them and the consequences of those policies.

Topics:

- Environmental Strategies in Rural and Urban Environments
- The Political Economy of Scarce Water Resources
- Land and Water Use Options and Strategies
- Human Ecology, Development and Wildlife Management
- Trans-Frontier Conservation Areas and Spatial Development Initiatives

Field Research Exercises: Human urban survival strategies; the rural and urban environment; water and wildlife census techniques and surveys; water resources in the urban and rural community; social ecology and community-based conservation; wildlife management and national parks.

Case Studies: Manzini and Kaphunga (Swaziland); Palaborwa, Timbavati, Kruger National Park, Tembe Elephant Park, Ndumo Elephant Reserve, Kosi Bay Reserve (South Africa); south-central, coastal and northern Namibia.

Principal topics in the Case Studies include:

- The tensions and impacts in the rural and urban environments;
- Competing historical and contemporary pressures on resources, reserves and national park lands;
- Land and water as political and economic issues;

- The roles of indigenous and contiguous communities;
- Wildlife management policies, options and pressures;
- Environmental impacts on national parks and their peripheries;
- CITES, TFCA (“Super Parks”) and SDIs impacts on the future development of Southern Africa.

Course Objectives:

- To assist students in recognizing and articulating the concepts and principles that created and now inform the tensions between urbanization, land use, development, wildlife management and tourism in Southern Africa.
 - To identify and interrogate the impacts of human interventions on these issues;
 - To analyze those interventions and to provide possible and logical solutions to them;
- To increase student sensitivities to the complexities of the environmental choices facing developing states.

Course Requirements

The student is expected

- To engage and understand the interrelated nature of the issues addressed in the course;
- To comprehend and articulate the fundamental issues engaged by the Case Studies;
- To learn the skill of searching for material and resources on any of the topics discussed from sources within Southern Africa;
- To prepare and present oral and written work on the Southern African land use issue in a seminar format and to answer oral questions on the presented work;
- To complete written tests on the materials presented, and
- To write two brief analytical and informative papers on the Southern African environment based on research and to provide appropriate documentation. This will be expected to include references to the student’s own Journal, and may also include references, with clear and appropriate citation, to the Journals compiled by other Dartmouth students.

Lectures and Readings for ENVS 40, 42, and 84 Fall 2005

Thursday 22 September

1430-1600: Lecture “Eco-tourism and Communities Bordering Conservation Areas”
Andre Van Zyl

Conservation Leadership Group, part of the Endangered Wildlife Trust
Pretoria

Reading:

Reader One:

Jeffrey Hackel, "Community Conservation"

Fikret Berkes, "Rethinking Community-based Conservation"

Monday 26 September

Reading:

Reader One:

"*Nkosi Sikelel iAfrika*"

Review: "South Africa" [Encarta.msn.com]

"Keeping a Journal"

1400-1500 Lecture "Community-based Conservation at Tembe"

Danie van Eeden

Centre for Wildlife Management

University of Pretoria

Readings:

Reader One:

William Adams and David Hulme, "Conservation and Community"

Roderick Neumann, "Landscapes of Nature"

Jennifer Jones, "Who Benefits?"

Reader Two:

Maps of Tembe, Ndumo and Mbangweni

Ian Felton and Catherine Hanekom, "Initial Assessment"

Tuesday 27 September

1000-1130: Lecture: "Cheetah Preservation vs. Conservation"

Ms. Kelly Wilson

Research Officer

DeWildt Wild Cheetah Project

Readings:

Reader One:

Bob Crilly, "Farmers on spot over cheetahs"

Kevin Crooks, "New Insights into Cheetah Conservation"

1300-1700: Field Trip: De Wildt Cheetah and Wildlife Centre

Craig Jackson

Centre for Environmental Studies

University of Pretoria

Readings:

Reader One:

D. G. A. Meltzer, A van Dyk, "History of the de Wildt Cheetah Breeding Project"

Map Quiz

Wednesday 28 September

1330-1500: Lecture "Tembe Elephant Reserve and Phinda"

Dr. Wayne Matthews, Warden, Tembe Elephant reserve
Kevin Pretorius, Phinda Conservation Corporation

Readings:

Reader One:

Richard Primack, "Designing Protected Areas"

Reader Two:

Wayne Matthews, "Maputaland's Tembe Elephant National Park"

"Tembe Gains Lions"

"Wildlands Trust Assists in Lion Relocation to Tembe Elephant Park"

Jennifer Jones, "Transboundary Conservation"

1515-1615: Lecture: "The Social and Political History of KNP"

Prof. Jane Carruthers

Department of History

University of South Africa (UNISA)

Readings:

Reader Two:

Johan T. du Toit, "The Historical and Conceptual Framework"

Brian Van Wilgen, "Fire as a Driver of Ecosystem Variability" (*)

Ian White, "Kruger's Elephant Population"

Sharon Pollard, "Beyond the Fence: People and the Lowveld Landscape" (*)

(*) To be read before our arrival in Kruger National Park on 9 October.

Thursday 29 September

0830 – 1000: Lecture: "Southern Africa Political Economy"

Mr. H. W. Short

Department of Foreign Affairs

Pretoria

Readings:

Reader One

David Dickinson, "Confronting Reality"

Phillip Huxtable, "The African State Toward the 21st Century: Legacies"

Sam Moyo and Daniel Tevera, "Regional Environmental Security"

Eddie Cross, "Sink or Swim"

1100-1200: Lecture: "Sustain Harvest of Reed Beds in Tembe"

Mr. Jason Tarr

Centre for Wildlife Management

University of Pretoria

1400-1500: Lecture: "Elephants: Population, Culling, Meta-populations, TFCAs"

Prof. Rudi Van Aarde

Department of Zoology and Entomology

Conservation Ecology

University of Pretoria

Readings:

Reader Two:

Rudi Van Aarde, "Culling and the Dynamics of KNP"

Victoria Butler, "Elephants: Trimming the herd"

Cheri Sugal, “The Price of Habitat”

S. J. McNaughton, “Large Mammals and Process Dynamics”

1515-1615: Lecture: “Elephants: Population, Culling, Meta-populations, TFCAs”

Prof. Rudi Van Aarde

Department of Zoology and Entomology

University of Pretoria

NOTE: Readings for discussion

Reader Two:

James Workman, “Rule of the Game” and “Water Sources Shrink”

“Older bull elephants control young males”

Karen McComb, “Matriarchs”

NOTE: Readings required for field trip

Reader Two:

Alan Mountain, *The Rise and Fall of the Zulu Empire*

R. Kyle, “Gillnetting in nature reserves”

Niki Moore, “Kosi Bay Up For Grabs”

Friday 30 September

Plenary #1—“Elephant Problem”

WARNING: Students must undertake assignments for this field trip, discussed here on pages 18-21. No excuses will be accepted, nor extensions given, for failure to complete these assignments.

Saturday 1 October

PHALABORWA/ “JC” STRAUSS

Sunday 2 October

PHALABORWA/ “JC” STRAUSS

“Animal Tracking”

“J. C” Strauss

Eco-Ranger

Guide, Tracker

Phalaborwa, South Africa

Monday 3 October

PHALABORWA/ “JC” STRAUSS

“Animal Tracking and Field Survival”

Mark Watson

Eco-Ranger

Guide, Tracker

Phalaborwa, South Africa

Field Test: Tracking

“Water Resources and Mega-Fauna”

Andreas Liebenberg, and Staff
“Introduction to Ecosystem Inter-actions”
Andreas Liebenberg, and Staff
“Compass Skills and Bush Survival”
Andreas Liebenberg, and Staff
NOTE: Review Action Plan #1 assignment (due 21 October)

Wednesday 5 October

Seepine Instruction”
Andreas Liebenberg
“Drought Protection”
Andreas Liebenberg, and Staff
Hike: Drought protection by plants and animals
How the ecosystem protects itself
Field ecology: elephant identification, radio tracking, vegetation
Compass lessons and practice
Night drive

Thursday 6 October

“Elephants: Herd Interactions”
Andreas Liebenberg, “Michele and Steve”, and Staff
“Elephants: Mopane Tree Destruction”
Andreas Liebenberg, “Michele and Steve”, and Staff
“Elephants: Water Resources”
Andreas Liebenberg, “Michele and Steve”, and Staff
“Elephants: Radio Tracking”
Andreas Liebenberg, “Michele and Steve”, and Staff
Introduction to elephants: Researchers Michelle and Steve
Student field research; groups of 7: elephant project; road, seep-line erosion rehab; radio tracking
PM: “Lost” exercise
Night drive

Friday 7 October

Second elephant ID group; seep-line erosion rehab, vegetation impacts; radio tracking
Wildlife discussion
Timbavati ownership patterns; issues (water, wildlife management)

Saturday 8 October

All: Elephant field research
PM: Discussion

Plenary #2

Monday 10 October

Field Research:
(1) 50-year-old Experimental Burn Plots and Fire and Herbivore Enclosures, along the Sabie River.

Questions: Role of management of resources: fire, elephants, rivers, the geophysical template, savanna heterogeneity, etc.

Observations: (a) management of resources; (b) role of tourists (see assignment on pages 18-19).

(2) Lectures:

“The Relationship Between Kruger and the Neighboring Communities”

Solly Themba
Community Facilitator
Kruger National Park

“Indigenous Plants, Controlled Burns”

Mr. Glynn Allard
Ranger, Researcher
Skukuza Camp
Kruger National Park, South Africa

“Alien Species and Water Resources”

Mr. Glynn Allard
Ranger, Researcher
Skukuza Camp
Kruger National Park, South Africa

“Indigenous Plants, Large Mammal Interactions”

Mr. Glynn Allard
Ranger, Researcher
Skukuza Camp
Kruger National Park, South Africa

Evening: Trip observations due in Journal

Plenary #3

Tuesday 11 October

NOTE: Review Action Plan #2 assignment (due 24 October)

Wednesday 12 October

TEMBE/ NDUMO

“The Management of Ndumo Elephant Reserve”

Mr. Pete Runnark
Warden, Ndumo Elephant reserve
Kwa-Zulu Natal

Split into two groups: (1) to Usuthu Gorge/Ndumo; (2) In Tembe. Reverse on 13 October
History and ethnology of people of Maputoland

Usuthu Gorge Community Conservation Area – to TFCA

Tembe group: Conservation management; Poverty relief projects; Lion monitoring

Evening: Trip observations due in Journal

Plenary #4

Thursday 13 October

TEMBE/ NDUMO

“Community Conservation in the Tembe-Nduomo Reserve Areas”

Dr. Roelie Kloppers
Department of Zoology and Entomology
University of Pretoria
Tembe Elephant Reserve

“Community Eco-tourism: Usuthu Gorge Project”

Mr. Blessing Tembe
Ndumo Elephant Reserve
Kwa-Zulu Natal

“Banzi Camp Community Eco-tourism: A Failed Project?”

Mr. Ferdie Nyburgh
Ranger and Conservation Manager
Wilderness Safaris
Ndumo Elephant Reserve
Kwa-Zulu Natal

“Indigenous People and Conservation”

Mr. Solly Tembe
Tembe Elephant reserve
Kwa-Zulu Natal

“Community Conservation: Tour and Discussion”

Mr. Amos Tembe, Conservation Manager
Ms. Lizette Moolman, Graduate Student
Tembe Elephant Reserve
Kwa-Zulu Natal

“Elephant Monitoring in Tembe Elephant Park”

Ms. Lizette Moolman, Graduate Student
Tembe Elephant Reserve
Kwa-Zulu Natal

Friday 14 October

KOSI BAY

“Indigenous Fishing and Fish Traps”

Dr. Scotty Kyle
Researcher, Kwa-Zulu Natal Conservation Commission
Kosi Bay, South Africa

14-15 October: Journal review

Saturday 15 October

KOSI BAY

Plenary #5

Monday 17 October

WARNING: Students *must* complete reading from *all three Nambia Readers* by Friday 28 October.

REMINDER: Students must have read *Adrift* and *The Sheltering Desert* by Tuesday 8 November.

1300-1400: Lecture: “Conflict and Transboundary Water Resources Management in southern Africa”

Prof. Anthony Turton
African Water Issues Research Unit
Pretoria

1415-1515: Lecture: “Conflict and Transboundary Water Resources Management in southern Africa”

Prof. Anthony Turton
African Water Issues Research Unit
Pretoria

Readings:

Reader Three

Anthony Turton, “A Critical Assessment”
_____, “A Southern African Perspective”
_____, “The Evolution of Water Management”
_____, “Hydro Hegemony”

Tuesday 18 October

0830-0930: Lecture: “Irrigation in South Africa”

Dr. Felix Reinders
Institute for Agricultural Engineering
Agricultural Research Council
Pretoria

Readings:

Reader Three:

“New technology brings prepaid water a step nearer”
Mike Rabe, “Mogale City”

Reader Four:

Michael Glanz, “Drought follows the plow”

1000:1100: Lecture: “Water Management in South Africa”

Dr. Stefano Farolfi
Department of Agricultural Economics
Extension and Rural Development
University of Pretoria

Reading:

James Workman, “Drawing a Line”

NOTE: Readings required for field trip

Reader Three:

Lindsay Dentlinger, “Water Squeeze Hurting Towns”

James Workman, "The Foggiest Idea"
1300-1430: Lecture: "Natural Resource Management
in Typical Rural Black South Africa"

Prof. Sylvain Perret
Department of Agricultural Economics
Extension and Rural Development
University of Pretoria

Readings:

Reader Four:

Derek Byerlee and Carl Fisher, "Introduction: Africa's Food Crisis"

John Dixon, *Farming Systems and Poverty*

"Farms disappearing in AIDS-ravaged Africa"

James Workman, "Fresh Water Becomes Fresh Leverage Behind Race-Based
Farmland Reform"

Wednesday 19 October

0800-0930: AFSP Meeting

ENVS 84:"Topic and Selection Process"

Each student present paper topic

1000-1130: AFSP Meeting

ENVS 84:"Topic and Selection Process"

1300-1400: Lecture: "Change and Issues In Empowering Black Farmers"

Dr. Andre Louw

Department of Agricultural Economics

Extension and Rural Development

University of Pretoria

1415-1515: Lecture: "Change and Issues In Empowering Black Farmers"

Dr. Andre Louw

Department of Agricultural Economics

Extension and Rural Development

University of Pretoria

Readings:

Reader Four:

Diana Fisher Mullins, "Agriculture in Southern Africa: Strategic Options"

Kuiper and Meadows, "Sustainability of Livestock Farming in the Communal
Lands of Southern Namibia"

Reader Five:

"Germans pledge cash for Namibia land reform"

Michael Lipton, "The Family Farm in a Globalizing World"

"Ending Hunger in Africa: Only the Small Farmer Can Do It"

"Women: The Key to Food Security"

1545-1645: Lecture: "Organic Farming in South Africa"

Dr. Ged Buffee

Organics South Africa (OSA)

Readings:

Reader Four:

Franz Heidhues, “Development Strategies and Food and Nutrition Security in Africa”

Reader Five:

“Ending Hunger in Africa: Prospects for the Small Farmer”

Xinshen Diao and Peter Hazell, “Exploring Market Opportunities for African Smallholders”

“Funding Africa’s Farmers”

Thursday 20 October

0800-0930: AFSP Meeting

ENVS 84: “Topic and Selection Process”

Each student present paper topic

Brief Swartkranz

1000-1100: Lecture: “Sustainable Land Reform”

Ms. Nerhene Davis

Department of Geography and Geoinformatics and Meteorology

University of Pretoria

1115-1215: : Lecture: “Sustainable Land Reform”

Ms. Nerhene Davis

Department of Geography and Geoinformatics

University of Pretoria

Readings:

Reader Five:

Jonathan Foley: “Global Consequences of Land Use”

Lindsay Bremner, “Post-apartheid urban geography”

1430-1530: Lecture: “Land Reform and the Sustainable Environment”

Dr. Andre Horn

Department of Geography and Geoinformatics

University of Pretoria

1545-1645: Lecture: “Land Reform and the Sustainable Environment”

Dr. Andre Horn

Department of Geography and Geoinformatics

University of Pretoria

Readings:

Reader Five:

Tevera and Moyo, “The Land Question and Land Reform in Southern Africa”

Tidiane Ngaido, “Reforming Land Rights in Africa”

Friday 21 October

0800: Action Plan #1 due

Reading:

Reader Five:

C. K. Brain, *The Hunters of the Hunted*

“Climate threat to ‘cradle of life’ “

Monday 24 October

0815 -- 0930: AFSP Meeting

ENVS 84: "Topic and Selection Process"

Review term: time management [i.e. Zuma trial]

Language/family; Qs and hand in

ENVS 84: topic, problem statement

0815: Action Plan #2 due

0945-1030: AFSP Meeting

ENVS 84: "Topic and Selection Process"

1100 – 1200: Lecture: "The Making of Soweto"

Keith Beavon

Department of Geography and Geoinformatics

University of Pretoria

Reading:

Reader Five:

Michael Wines, "A Bleak Symbol of Apartheid"

1330 – 1430: Lecture: "Namibian Environments"

Dr. Ingrid Stengel

Department of Geography and Geoinformatics

University of Pretoria

1500 – 1600: Lecture: "Namibian Environments"

Dr. Ingrid Stengel

Department of Geography and Geoinformatics

University of Pretoria

Readings:

Namibia Readers One, Two Three

Tuesday 25 October

Soweto

Apartheid Museum

Wednesday 26 October

0800 – 0900: Lecture: "Food Security in Southern Africa"

Dr. Alfred Hamadziripi

Southern Africa Regional Poverty Network (SARPN)

Pretoria

0915-1015: Lecture: "Food Security in Southern Africa"

Dr. Alfred Hamadziripi

Southern Africa Regional Poverty Network (SARPN)

Pretoria

Readings:

Reader Four:

"The Strategic Plan for South African Agriculture"

Reader Five:

Todd Hansen, "Africa's Food and Nutrition Security Situation"

1030-1130: Lecture: CITES and Trade in Wildlife in Southern Africa

Mr. Jonathan Evans
TRAFIC East/southern Africa
Pretoria

Reading:

Reader Five:
“CEP Factsheet: CITES”

1300 – 1400: Lecture: “The Millennium Ecosystem Assessment”

Dr. Bob Scholes
Council for Scientific and Industrial research (CSIR)
Pretoria

1600-1639: Briefing

In preparation for Namibia, you should complete the following:

* *The Sheltering Desert* (Martin) and *Adrift* (Callahan) and accompanying notes and comments in *Namibia Reader One*

* Reader One:
Michael Wines, “A Rescue Mission”
“Namibia”
“Key environmental issues in Namibia”

Thursday 27 October

0800 – 0900: Lecture: “AIDS – Impacts, Public Awareness and Education”

Dr. Mary Crewe
Centre for the Study of AIDS (CSA)
University of Pretoria

0915 – 1015: Lecture: “AIDS – Impacts, Public Awareness and Education”

Dr. Mary Crewe
Centre for the Study of AIDS (CSA)
University of Pretoria

Reading:

Reader Four:
Peter Piot, “AIDS and Food Security”

1030-1130: Lecture: “Community-based Tourism: A Case Study”

Prof. Chris Boonzeier
Department of Anthropology and Archeology
University of Pretoria

Readings:

Reader One:
William Adams and David Hulme, “Conservation and Community”

Reader Two:
John Hanks, “The Objectives and Activities of the Peace Parks Foundation”
Maano Ramutsindla, “Glocalisation [sic] and Nature Conservation Strategies”
Daniel Tevera and Admos Chimhown, “Spatial Development Initiatives”

Reader Five:
Caitlin E. O’Connell-Rodwell, et al., “Living with the modern conservation paradigm: can agricultural communities co-exist with elephants?”

1300 – 1530: Lecture/Practicum: “Lessons in African Drumming”

Mr. Charles Mugerwa
Department of Music – UP South Campus
South Campus
University of Pretoria

Reading:

Reader Five:
AGBADZA Master drum patterns

Friday 28 October

NOTE: Reading from all three Namibia Readers must be completed by this date.

0800-0930: Mid-Term Examination [NB: Moved from 21 October]

0930-1300: ENVS 84 Research

Research time for individual ENVS 84 papers

1300-1400: AFSP Meeting

- Briefing -- Namibia Field Trip
- ENVS 84: “Research and Topic Check-in”
Your topic
Roles. Sub-teams
Review: Journaling; tests in Namibia

1445-1500: AFSP Meeting (as needed)

- Briefing -- Namibia Field Trip
- ENVS 84: “Research and Topic Check-in”

Monday 31 October

0800 -- Coach to Johannesburg Airport, Prospect Gate

BA flight 5275, 1200 (Noon) to Windhoek, Namibia. Arrives 1355 (1:55 PM)

In Windhoek

“The Plants of Namibia”
Silka Rugheimer
Researcher
Botanical Gardens
Windhoek, Namibia

“Desert Plants of Namibia: 5 Plants They Should Remember”
Prof. Ross Virginia
Dartmouth College

Tuesday 1 November

To: Cheetah Conservation, just north of the Otjiwarongo community
Okahandja: Large outdoor crafts market

“Bush Encroachment and Cheetahs”
Mr. Matti Nghikembua
Researcher
Cheetah Conservation Centre

“Tourism, Farmers and Cheetahs Logs”

Mr. Matti Nghikembua
Researcher
Cheetah Conservation Centre

Readings:

Namibia Reader Two:

Marker, L. and Schumann, B.D. “Cheetahs as problem animals”

Plenary #6

Wednesday 2 November

“The Interactive Process: Cheetahs, Local Communities and Farmers”

Bonnie Jones
Researcher/Intern
Cheetah Conservation Centre

“It’s All About the Cheetah”

Dr. Laurie Marker
Director
Cheetah Conservation Centre

To Okaukuejo Camp, Etosha National Park

Thursday 3 November

“Management Issues in Etosha National Park”

Nigel Berman
Ranger/ Researcher
Etosha National Park

Okaukuejo, Halali, Okaukuejo

Wood ecosystems to open savannah to Etosha pan, “The Great White Place”

Tourism, wildlife management, park management

Friday 4 November

Okaukuejo - Windpoort Farm, private nature conservancy

Tim and Laura Osborne

“Bird Netting and Banding

Tim Osborne
Naturalist
Co-Owner, Windpoort Farm

“Game Conservancy: Problems and Prospects”

Wilfred Verfeld
Ranger
Co-owner Windpoort Farm

“Evolution and Development of Etosha Pan”

Dr. Martin H. T. Hipondoka
Researcher
Etosha National Park

At Windpoort Farm

Plenary #7

Saturday 5 November

Osborne Farm to Brandberg Mountain, Damaraland
Twyfelfontein geological site, local community guides
Bushman rock paintings
Ugab Wilderness campsite at Brandberg, Namibia's highest mountain

Sunday 6 November

Brandberg, Ugab Wilderness camp
Glyphs and paintings
Local communities
 “White Lady Cave Paintings”
 Daureb Mountain Guides
 White lady Monument Council
 Brandberg, Namibia
 “Tsiseb Community-based Conservation”
 Terry Goseb
 Director, Daureb Mountain Guides
 White lady Monument Council
 “Dry Riverbed Vegetation”
 Prof. Ross Virginia
 ENVS

Monday 7 November

Brandberg to Spitzkoppe , Damaraland
Uis – semi-precious stones
Village dancers
Hike to granite monolith

Plenary #8

Reading:

Namibia Reader Two:
Hu Berry, “ Cape Cross, Past and Present”

Tuesday 8 November

To Swakopmund
Skeleton Coast, Henties Bay and Cape Cross seal colony
 “Off-shore Fisheries”
 Prof. Ross Virginia
 ENVS
 Cape Cross, Namibia

“The Cape Cross Seals”

Prof. Ross Virginia

NOTE: Students must have read *Adrift* and *The Sheltering Desert* by today.

Wednesday 9 November

Swakopmund

Rossing Mine, world’s largest uranium mine, Rossing Mountain

National aquarium

“The Rossing Mine”

Public relations Department

Rossing Mine

Swakopmund, Namibia

Action Plan #3 due

Thursday 10 November

Swakopmund to Gobabeb Desert Research Station

“Tour: Gobabeb’s Solar-generating Systems

Tour and Lecture

Hartmut (Last Name Unknown)

Researcher

Gobabeb Research Station

“Tour: Gobabeb’s Three Ecosystems”

Prof. Ross Virginia

ENVS

Gobabeb Research Station

“Vultures and Their Lives”

Dr. Peter Bridgeford

Namibia Parks Board

Ministry of the Environment and Tourism

Gobabeb Research Station

Plenary #9

Friday 11 November

Gobabeb Desert Research Station

“Gobabeb’s Dune Sea, Ephemeral Kuiseb River, Gravel Plains”

Tour and Lecture

Hartmut, driver of “Wanda” four-wheel desert vehicle

Researcher

Gobabeb Research Station

Saturday 12 November

Gobabeb to Sesriem

Visit historical site at Carp Cliff in Kuiseb Canyon, location of “The Sheltering Desert”

“The Sheltering Desert”

Hike to cave and Discussion

Prof. Jack Shepherd

ENVS

Kuiseb Lookout, Namibia

“The Dune Sea”

Prof. Ross Virginia

ENVS

The Namib Desert

Sesriem Camp, Namibia

Group discussion on “The Sheltering Desert”

Sunday 13 November

Sesriem to Sossusvlei

Sunrise in the dunes

Walk into Sossusvlei, ancient mineral pan

Exams

“The Sossusvlei Pan”

Prof. Ross Virginia

ENVS

The Namib Desert

Sossusvlei, Namibia

Monday 14 November

Sesriem to Naukluft

Hiking, birding, swimming

Exams

Tuesday 15 November

Naukluft

Exams

Plenary #10

Wednesday 16 November

To J'burg : BA flight 6274 departs Windhoek at 1500 (3 PM). Arrives J'burg 1650 (4:40 PM)

Thursday 17 November

ENVS 84 paper

Friday 18 November

ENVS 84 paper

Monday 21 November

ENVS 84 paper

Tuesday 22 November

ENVS 84 paper

Wednesday 23 November

ENVS 84 paper

1100-1200: AFSP Meeting

Briefing on Swaziland trip

Thursday 24 November

ENVS 84 paper

Friday 25 November

ENVS 84 paper

Saturday 26 November

0700: Drive to Swaziland

Suggested reading:

Reader One:

“Swaziland”

Sunday 27 November

Kaphunga, Swaziland

Church services

Farming

“Swazi Language and Culture”

Mr. Mxolisi “Myxo” Mdluli

Guide and Owner

Wozanawe Eco-tourism

Manzini and Kaphunga, Swaziland

Monday 28 November

Swaziland

Plowing, planting, farming

Swimming, hiking

“Small-holder Farming”

Mrs. Dlamini “Make” La Malaza

Agriculture Extension Worker

Kaphunga

“AIDS in the Kaphunga Region”

Ms. Anna McCreary

US Peace Corps

Kaphunga

Tuesday 29 November

Swaziland

Farming, plowing, water issues

Wednesday 30 November

Drive to Pretoria

Thursday 1 December

AFSP Program ends
