KSH 417 Wildlife Management

Credit	:	3(2-3)
Semester	:	7 (odd)
Course format	:	Lectures and discussions, individual and group assignments and course practice. 100 minutes per week, 14 weeks
Pre-requisite	:	Wildlife Ecology (KSH 211) Inventory and Monitoring of Wildlife (KSH314)
Lecturers	:	Mr. Jarwadi B Hernowo, MSc.F. (Course coordinator) Mr. Nyoto Santoso, MS

Course Description

This course is designed to provide explanation and understanding of wildlife management related to the principles of management, population management, habitat management, types of wildlife management and wildlife disturbances controls.

Course Objectives

This course is designed to provide students with understanding of wildlife management related to the principles of management, population management, habitat management, types of wildlife management and wildlife disturbances controls.

Learning Outcomes

1. **General learning outcomes**

   Upon successful completion of this course the students will be able to:

   Recognize, understand and able to apply wildlife management techniques to support wildlife conservation efforts.

2. **Specific learning outcomes**

   Upon successful completion of this course the students will be able to:

   Apply wildlife management techniques for small population, over population culling, prevent and control wildlife disturbances.

Structure of Course Delivery

1. Lectures and discussion
2. Individual and group assignments
3. Course practice

Major References

1. Alikodra, H.S 1992. Pengelolaan Satwaliar. Volume 1.
2. Anderson, S.H. 1985. Managing Our Wildlife Resources. A Bell &Howel Co. London
3. Bailey, J.A. 1984. Principles of Wildlife Management. John Wiley & Sons. New York
4. Caughley, C. 1977. Analysis of Vertebrate Population. John Wiley & Sons. London
5. Lavieren, L.P. van. 1982. Wildlife Management In The Tropic. School of Environmental Conservation Management, Ciawi-Bogor

Teaching Material Support

The choice of media and type of technology use include:

1. Face-to-face contact.
2. Printed power point presentation.
3. Computer
4. Projector Infocus

Course Outline

Topics	Sub-topics	Bloom's Taxonomy	Week
Wildlife management	1. Meaning and scope 2. Management objectives 3. Wildlife conservation history 4. Linkages with other disciplines	C1, C2	1
Principles of management	1. Management approach 2. Management factors 3. Management intensity 4. Management process	C1	2
Population Management	1. Demographic parameters 2. Population regulation 3. Population controls 4. Population prevention and management 5. Interaction management	C1	3 & 4
Habitat Management	1. Habitat meaning & components 2. Managed habitat factors and management approach 3. Habitat management process	C1, C2	5, 6 & 7

Topics	Sub-topics	Bloom's Taxonomy	Week
	4. Management of feed, cover, shelter, reproduction area		
Types of Wildlife management	1. Management of species characteristics (mammals, birds, reptiles) 2. Area status and its relation to wildlife management 3. Management for recovery, preservation objectives 4. Management of sustainable maximum yield (commercial) 5. Culling 6. Hunting 7. Management for tourism	C1, C2	8, 9, 10 & 11
Wildlife disturbances controls	1. Wildlife disturbances 2. Prevention and management 3. Prevention of disease on wildlife	C1, C2	12, 13 & 14

Potential Course Overlap

There are no potential overlap with other courses.

Evaluation and Grading

1. Mid-term examination

Mid-term examination will be held during examination period scheduled by Registrar's office (after 7 weeks lecture). The exam will cover course topics delivered in week 1-7. Exam is composed of various types of questions (true-false questions, multiple choice, short answers and essays).

2. Final examination

Final examination will be held during examination period scheduled by Registrar's office (after 14 weeks lecture). The exam will cover course topics delivered for 14 weeks, with majority will be taken from topics delivered during week 8 to 14. Exam is composed of various types of questions (true-false questions, multiple choice, short answers and essays). One question will be from course field practice.

3. Assigned papers

Grading of course practice will cover grades from fieldtrip report with topic on wildlife management in in-situ and ex-situ areas.

Compositions of grading are as follows:

Assessment Tools	Maximum Score	% of Grade
Midterm Examination	100	30
Final Examination	100	35
Assigned paper	100	35

Final grade classification: A (≥ 76); B (75-66); C (65-55); D (54-45); E (< 45)

Coverage of DFORCE Core Competence

in Wildlife Management (KSH 417)

Code : KSH 417

Course : Wildlife Management

Credit : 3(2-3)

Code	Core Competencies	Course Content Covered	Cognitive Level	Topics
I	Students will be able to understand the scope and importance of wildlife management	Meaning and scope	C1, C2	Wildlife management
		Management objectives		
		Wildlife conservation history		
		Linkages with other disciplines		
II	Students will be able to understand and use wildlife management principles	Management approach	C1	Principles of management
		Management factors		
		Management intensity		
		Management process		
III	Students will be able to understand ways to manage wildlife population	Demographic parameters	C1	Population Management
		Population regulation		
		Population controls		
		Population prevention and management		
		Interaction management		
IV	Students will be able to understand ways to manage wildlife habitat	Habitat meaning & components	C1, C2	Habitat Management
		Managed habitat factors and management approach		
		Habitat management process		
		Management of feed, cover, shelter, reproduction area		
V	Students will be able to understand and carry out an example of wildlife management	Management of species characteristics (mammals, birds, reptiles)	C1, C2	Types of Wildlife management
		Area status and its relation to		

Code	Core Competencies	Course Content Covered	Cognitive Level	Topics
		wildlife management		
		Management for recovery, preservation objectives		
		Management of sustainable maximum yield (commercial)		
		Culling		
		Hunting		
		Management for tourism		
VI	Students will be able to understand wildlife disturbances	Wildlife disturbances	C1, C2	Wildlife disturbances controls
		Prevention and management		
		Prevention of disease on wildlife		

Assessment Tools to Measure the Achievement of Learning Outcomes in Wildlife Management (KSH 417)

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Code	Core Competencies	Learning Outcome	Bloom's Taxonomy	Assessment Tool(s)	Learning Activities
I	Students will be able to understand the scope and importance of wildlife management	Students will be able to explain the scope and importance of wildlife management	C1, C2	Written examinations at different cognitive level (Mid-term exam).	Classroom lecture and discussion
II	Students will be able to understand and use wildlife management principles	Students will be able to explain and use wildlife management principles	C1	Written examinations at different cognitive level (Mid-term exam).	• Classroom lecture and discussion • Outdoor practice
III	Students will be able to understand ways to manage wildlife population	Students will be able to explain ways to manage wildlife population	C1	Written examinations at different cognitive level (Mid-term exam).	• Classroom lecture and discussion • Outdoor practice
IV	Students will be able to understand ways to manage wildlife habitat	Students will be able to explain ways to manage wildlife habitat	C1, C2	Written examinations at different cognitive level (Mid-term exam).	• Classroom lecture and discussion • Outdoor practice
V	Students will be able to understand and carry out an example of wildlife management	Students will be able to explain and carry out an example of wildlife management	C1, C2	Written examinations at different cognitive level (final exam).	• Classroom lecture and discussion • Outdoor practice
VI	Students will be able to understand wildlife disturbances	Students will be able to explain wildlife disturbances	C1, C2	Written examinations at different cognitive level (final exam).	• Classroom lecture and discussion • Outdoor practice