

Introduction

A course on Animal Keeping and Zoo Management will cover a wide range of topics related to the management of captive animal populations in zoos and other animal facilities. Overall, the course aim to provide students with a comprehensive understanding of the principles and practices of animal keeping and zoo management, and to develop the skills and knowledge necessary to manage captive animal populations in a responsible and effective manner.

Course Objectives:

The objectives of a course on Animal Keeping and Zoo Management include the following:

- To provide students with an understanding of the principles and practices of animal keeping, including animal behavior, nutrition, and health.
- To develop students' knowledge and skills in managing captive animal populations in zoos and other animal facilities, including animal husbandry, exhibit design, and veterinary care.
- To promote an understanding of the role of zoos and other animal facilities in wildlife conservation, including the use of captive breeding programs and reintroduction efforts.
- To foster an awareness of the ethical considerations associated with animal keeping and zoo management, including animal welfare and the ethical use of animals in research and education.
- To develop students' knowledge and skills in zoo administration, including budgeting, marketing, and public relations.

- To promote an interdisciplinary approach to animal keeping and zoo management, including the integration of natural and social sciences.

Course Learning Outcomes:

On completion of the course, the students will be able to;

1. **Acquire** the knowledge and skills necessary to manage captive animal populations in a responsible and effective manner
2. **Understand** the role of zoos and other animal facilities in wildlife conservation
3. **Solve** and to skills in identifying and addressing ecosystem health problems
4. **Analyse** the principles and practices of animal keeping, including animal behavior, nutrition, and health.
5. **Evaluate** the animal welfare and the ethical use of animals in research and education
6. **Demonstrate** an interdisciplinary approach to animal keeping and zoo management

Course Outline:

The following is a list of some of the topics that may be covered in such a course:

Introduction to Animal Keeping: This section of the course may cover the basic principles and concepts of animal keeping, including animal behavior, nutrition, and health.

Zoo Management: This section may cover the principles and practices of zoo management, including animal welfare, exhibit design, and visitor education.

Animal Husbandry: This section may cover the techniques and practices involved in the care and management of captive animals, including feeding, housing, and veterinary care.

Animal Behavior: This section may cover the study of animal behavior, including the observation and analysis of animal behavior, and the use of behavior modification techniques.

Wildlife Conservation: This section may cover the role of zoos and other animal facilities in wildlife conservation, including captive breeding programs and reintroduction efforts.

Ethics and Animal Welfare: This section may cover the ethical considerations associated with animal keeping and zoo management, including animal welfare and the ethical use of animals in research and education.

Zoo Administration: This section may cover the administrative and financial aspects of zoo management, including budgeting, marketing, and public relations.

Teaching-Learning Strategies

Teaching will be a combination of class lectures, class discussions, and group work. Short videos /films will be shown on occasion.

Assignments

The sessional work will be a combination of written assignments, class quizzes, presentation, and class participation/attendance.

Assessments and Examination

Sessional Work: 25 marks

Midterm Exam: 35 marks

Final term Exam: 40 marks

Text and Reference Books:

1. Geoff Hosey, Vicky Melfi, Sheila Pankhurst 2013 Zoo Animals: Behaviour, Management, and Welfare 2nd Edition, OUP Oxford;
2. Paul A. Rees 2011. An Introduction to Zoo Biology and Management Copyright © 1999-2023 John Wiley & Sons, Print ISBN:9781405193498
3. Jacob V. Cheeran 2004 Textbook of Wild and Zoo Animals: Care and Management, 2nd Revised and Enlarged Edition INTERNATIONAL BOOK DISTRIBUTING CO.
4. Eric Miller, Nadine Lamberski and Paul Calle 2022. Fowler's Zoo and Wild Animal Medicine Current Therapy, Volume 10 Elsevier.
5. EAZA 2013 The Modern Zoo: Foundations for Management and development Executive Office Amsterdam, the Netherlands

Introduction

Overall, the course aim to provide students with the knowledge and skills necessary to manage captive animal populations in a responsible and effective manner, while promoting the conservation of wildlife and the ethical treatment of animals in zoos and other animal facilities.

The practical components of the course will aim to provide students with hands-on experience in managing captive animal populations in zoos and other animal facilities, while promoting the conservation of wildlife and the ethical treatment of animals. Practical components may be supplemented by lectures, readings, and discussions to provide students with a comprehensive understanding of the principles and practices of animal keeping and zoo management.

Course Objectives:

The objectives of a course on Animal Keeping and Zoo Management include the following:

- To provide students with an understanding of the principles and practices of animal keeping, including animal behavior, nutrition, and health.
- To develop students' knowledge and skills in managing captive animal populations in zoos and other animal facilities, including animal husbandry, exhibit design, and veterinary care.
- To promote an understanding of the role of zoos and other animal facilities in wildlife conservation, including the use of captive breeding programs and reintroduction efforts.
- To foster an awareness of the ethical considerations associated with animal keeping and zoo management, including animal welfare and the ethical use of animals in research and education.
- To develop students' knowledge and skills in zoo administration, including budgeting, marketing, and public relations.
- To promote an interdisciplinary approach to animal keeping and zoo management, including the integration of natural and social sciences.

Course Learning Outcomes:

On completion of the course, the students will be able to;

1. **Acquire** the knowledge and skills necessary to manage captive animal populations in a responsible and effective manner
2. **Understand** the role of zoos and other animal facilities in wildlife conservation
3. **Solve** and to skills in identifying and addressing ecosystem health problems
4. **Analyse** the principles and practices of animal keeping, including animal behavior, nutrition, and health.
5. **Evaluate** the animal welfare and the ethical use of animals in research and education
6. **Demonstrate** an interdisciplinary approach to animal keeping and zoo management

Course Outline:

Practical components of a course on Animal Keeping and Zoo Management include the following:

Animal husbandry: This practical component may involve hands-on training in the care and management of captive animals, including feeding, housing, and veterinary care.

Zoo exhibit design: This practical component may involve the design and construction of animal exhibits, including the selection of appropriate habitats and the creation of engaging and informative displays for visitors.

Animal behavior observation: This practical component may involve the observation and analysis of animal behavior, including the use of behavioral observation techniques to monitor animal health and welfare.

Visitor education: This practical component may involve the development and delivery of educational programs and materials for zoo visitors, including guided tours, educational signage, and interactive exhibits.

Zoo administration: This practical component may involve hands-on experience in zoo administration, including budgeting, marketing, and public relations.

Wildlife conservation: This practical component may involve participation in wildlife conservation programs, such as captive breeding programs and reintroduction efforts.

Teaching-Learning Strategies

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Assignments

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