



HUNGARIAN UNIVERSITY OF
AGRICULTURE AND LIFE SCIENCES
INSTITUTE FOR WILDLIFE
MANAGEMENT AND NATURE
CONSERVATION

Address: Szent István Campus, 2100 Gödöllő, Páter Károly u. 1.

COURSE CATALOGUE for Exchange students

2026/27 Academic year

The **Institute for Wildlife Management and Nature Conservation of MATE at Szent István Campus** is currently offering the following core courses for the 2026/27 academic year. **Additional courses will be announced before the start of the semester, providing a wider range of courses to choose from.**

Exchange students are integrated with full degree international students during the semesters' workflow in the following study programmes:

- **BSc in Wildlife Management Engineering**
- **MSc in Wildlife Management Engineering**

Exchange students can take both bachelor's and master's subjects regardless of their study level or semester; however, timetable conflicts may occur.

2026/27 Autumn semester

Lectures: from early September to mid December.

Exams: mid December to late January.

2026/27 Spring semester

Lectures: from early February to mid May.

Exams: mid May to late June.

2026/27 Autumn semester

STUDY PROGRAMMES	SUBJECT CODE	SUBJECT NAME	ECTS Credits	<i>relevant semester of the study program at MATE</i>
BSc in Wildlife Management Engineering	VDTER054N	Carnivores Ecology	3	3
	VDTER201N	Game Management in Fenced Areas	3	3
	VDTER194N	Wildlife Conservation and Animal Protection	3	3
	VDTER155N	Wildlife Ethology and Behavioural Ecology	3	3
	VDTER177N	Wildlife Habitat Management	6	3
	VDTER289N	Wildlife Management Individual Case Study	3	3
	VDTER094N	Big Game Management	4	5
	VDTER037N	Forest Habitat Management	3	5
	VDTER153N	Trophy Evaluation Systems	4	5
	VDTER169N	Wildlife Capture and Handling	3	5
	ELTAK096N	Wildlife Health Management	3	5
	VDTER288N	Wildlife Management Data Collection and Processing	3	5
	VDTER054N	Carnivores Ecology	3	3
MSc in Wildlife Management Engineering	VDTER054N	Carnivores Ecology	3	3
	VDTER098N	Herbivores Feeding Biology	4	3
	VDTER057N	Integrated Big Game and Habitat Management	5	3

2026/27 Spring semester

STUDY PROGRAMMES	SUBJECT CODE	SUBJECT NAME	ECTS Credits	<i>relevant semester of the study program at MATE</i>
BSc in Wildlife Management Engineering	VDTER018N	Introduction to Professional Studies	3	2
	VDTER196N	Urban Wildlife Management	3	2
	VDTER157N	Wildlife Zoology	6	2
	VDTER039N	Basics of Forestry	3	4
	VDTER277N	International Wildlife	3	4
	VDTER017N	Small Game Management	4	4
	VDTER287N	Wildlife Habitat Management Worldwide	4	4
	VDTER290N	Wildlife Research Methodology	4	4
	VDTER163N	Wildlife tourism	4	4
	VDTER192N	Game Damage Control and Assesment	4	6
	VDTER190N	Game Meat and Other Products Sale	3	6
	VDTER159N	Hunting Administration and Wildlife Harvest Planning	4	6
	VDTER160N	Hunting Cynology	3	6
	VDTER105N	Monitoring and Data Collection	4	6
MSc in Wildlife Management Engineering	VDTER189N	Game hygiene and meat handling	6	2
	VDTER056N	Integrated small game management	5	2
	VDTER097N	International Wildlife Issues	3	2
	VDTER174N	Research Methods of Wildlife Biology	4	2
	VDTER173N	Selected Chapters of Wildlife Conservation	3	2
	VDTER161N	Wildlife tourism	3	2
	VDTER186N	Game Damages and Damage Estimation	3	4
	VDTER126N	History of hunting	3	4
	VDTER158N	Hunting Administration	3	4
	VDTER048N	Sustainable Forestry	3	4

Carnivores Ecology

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER054N

ECTS Credits: 3

AIM OF SUBJECT:

Partly project task, Zoological and ecological characterisation of small, medium and large carnivorous mammals occurring in Hungary, which are the most important for wildlife management and nature conservation. Possibilities of conscious management of these species. At the Master's level, the course will focus on the role of large carnivores in trophic cascades, the problems and opportunities arising from the reintroduction of species, and the possibilities for reducing human conflicts with large carnivores.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Game Management in Fenced Areas

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER201N

ECTS Credits: 3

AIM OF SUBJECT:

The history and the recent trends of the big game enclosures. Game species in enclosures . Requirements and establishment of the enclosed areas. Equipments for the operation, breeding, hunting. Capture methods, differences between the mechanic trapping and the chemical immobilization. Nutrition possibilities and needs. How can we plan a small game farm? Selection of the breeding population and egg laying. Incubation methods. Rearing technologies. Equipments for the operation. Releasing. Animal health care.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Conservation and Animal Protection

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER194N

ECTS Credits: 3

AIM OF SUBJECT:

The aim of the course is to present the possibilities of preserving the diversity of natural values, including wildlife. The interconnections and conflicts of wildlife management, nature conservation, environmental protection and animal welfare, as well as the main issues of conservation biology are presented. We review the goals, objects, organization of nature conservation, and best practices for proper management of protected areas and various valuable habitats.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Ethology and Behavioural Ecology

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER155N

ECTS Credits: 3

AIM OF SUBJECT:

Trends in behavioural research. The relationship between behaviour and evolutionary theory. Genetic and hormonal regulation of behaviour. The organisation of movement patterns. Learning. Communication. Social behaviour. Theory of optimal nutrition. Use of space: home range, territory. Sexual behaviour, mating systems, reproductive strategies. Competition for a mate, sexual conflict. Parental care, parent-offspring conflict.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Habitat Management

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER177N

ECTS Credits: 6

AIM OF SUBJECT:

The practice will be held as block education., The course will introduce the students to the possibilities of wild feeding, special wild feeds and the technological background that can be applied. Wild land management will be discussed in the context of modern habitat management. It presents the possibilities and methods of targeted wild land and pasture management in different environmental conditions, in relation to the species-specific characteristics of each game species. Describes the plant species to be used, seeding and maintenance procedures, and environmentally friendly turf planting. Discusses the possibilities offered by the natural environment and their uses. This course will introduce students to the possibilities of habitat improvement interventions in agricultural and wetland habitats, particularly for small game. The subject will address the knowledge of wildlife management and crop production in a complex unit, highlighting the conflicts between them arising from different interests. The difficulties of the practical feasibility of the options presented and the opportunities opened up in this area following EU accession are highlighted.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Management Individual Case Study

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER289N

ECTS Credits: 3

AIM OF SUBJECT:

The central task of the course is writing a systematic review focusing on a well-established question within one of suggested topics based on an extensive literature search. The aim of the course is to show students an efficient way to find adequate popular and scientific publications about a given topic and synthesize them into an extensive literature review and find answer to a given question from the published investigations through a systematic review. Students organize information from different publications into one material; meanwhile they differentiate between reliable and unreliable sources and show the developing knowledge about the selected issue. Students formulate a question and summarize the

CONTENT:

GRADING SYSTEM:

Practical grade

LITERATURE:

Big Game Management

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 5

SUBJECT CODE: VDTER094N

ECTS Credits: 4

AIM OF SUBJECT:

Large mammals, big game, large mammals, and ungulates. Connections between population dynamics and management of big game management. The aims and aspects of big game management. The population biology, situation, managing methods and aspects of ungulates in Europe.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Forest Habitat Management

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 5

SUBJECT CODE: VDTER037N

ECTS Credits: 3

AIM OF SUBJECT:

During the course students are expected to gain adequate knowledge related to sustainable management and conservation of forest ecosystems and forests-ungulates relationships for becoming able to elaborate effective management measures increasing forest biodiversity and decreasing ungulate-related conflicts.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Trophy Evaluation Systems

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 5

SUBJECT CODE: VDTER153N

ECTS Credits: 4

AIM OF SUBJECT:

Practical sessions are held in a block format, The concept of trophies and the biological functions of trophy body parts. Trophy exhibits and the beginnings of trophy scoring. The role of trophy judging in game management and hunting. Legal background of trophy scoring. The possibilities of age estimation. Characteristics and assessment of trophies of roe deer, fallow deer, roe deer, mouflon, wild boar and predators. Exotic trophies and the international conventions on them. The main catches and rules for the preparation and display of trophies.

CONTENT:

GRADING SYSTEM:

Practical grade

LITERATURE:

Wildlife Capture and Handling

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 5

SUBJECT CODE: VDTER169N

ECTS Credits: 3

AIM OF SUBJECT:

Project work. The practice will be held as block education. The course gives a comprehensive picture of the most important trends, methods and basic ethical norms of wildlife capture and trapping. The most commonly used trap types will be introduced during the course.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Health Management

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 5

SUBJECT CODE: ELTAK096N

ECTS Credits: 3

AIM OF SUBJECT:

Goal of the course is to introduce population health management: host - pathogen - environment interaction at individual and population level, importance of game disease in medicine, veterinary medicine and food-chain-safety. Course presents the One Health strategy and the importance of wildlife management experts in One Health teams.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Management Data Collection and Processing

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 5

SUBJECT CODE: VDTER288N

ECTS Credits: 3

AIM OF SUBJECT:

CONTENT:

GRADING SYSTEM:

Practical grade

LITERATURE:

Carnivores Ecology

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER054N

ECTS Credits: 3

AIM OF SUBJECT:

Partly project task. Zoological and ecological characterisation of small, medium and large carnivorous mammals occurring in Hungary, which are the most important for wildlife management and nature conservation. Possibilities of conscious management of these species. At the Master's level, the course will focus on the role of large carnivores in trophic cascades, the problems and opportunities arising from the reintroduction of species, and the possibilities for reducing human conflicts with large carnivores.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Herbivores Feeding Biology

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER098N

ECTS Credits: 4

AIM OF SUBJECT:

The aim of the course is to present the feeding habits of Hungarian hunted herbivorous mammal species, to describe the genetic, physiological, ecological and ethological causes of their foraging and dietary characteristics and the role of various factors in its development. In addition, the subject presents the impact of the feeding of these species on the habitat, the established wildlife- habitat conflicts, the aspects of nature conservation, game and forest management and agriculture, as well as the research opportunities and methods.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Integrated Big Game and Habitat Management

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/1

Relevant semester of the Study Programme at MATE: 3

SUBJECT CODE: VDTER057N

ECTS Credits: 5

AIM OF SUBJECT:

Large mammals, big game, large mammals, and ungulates. Connections between population dynamics and management of big game management. The aims and aspects of big game management. The population biology, situation, managing methods and aspects of European ungulates.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Introduction to Professional Studies

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER018N

ECTS Credits: 3

AIM OF SUBJECT:

The aim of the course is to learn the basics of written and oral professional communication and to master the rules of official communication. In addition to learning the basic features, students should master the formal and content requirements for writing reports, applications, notes, summaries, resumes, and similar documents. In oral communication, they learn the elements of speaking in front of a professional audience.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Urban Wildlife Management

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER196N

ECTS Credits: 3

AIM OF SUBJECT:

Includes project work. Practical sessions are delivered in a blocked format. Areas built on and disturbed by humans also cover a wide range of different habitats used by many species. This includes not only public parks and other purpose-built green spaces, but also roadsides, railway embankments, large factory sites, cemeteries, abandoned buildings, or even attics and sheds of dwellings.

Nowadays, more and more species that used to live in forests – some bat species, foxes, martens, wild boar, more and more bird species, etc. – are appearing and settling in inhabited areas. They cause many problems, often considerable material damage, with their feeding and lifestyle. This course will provide an introduction to the management of urban habitats and species, their conservation and coexistence.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Zoology

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER157N

ECTS Credits: 6

AIM OF SUBJECT:

The external and internal body structure of birds and mammals. Describes the anatomical and physiological characteristics of animals and how they have adapted to their environment. To show the close relationship between the structure and function of organs and organ systems, with particular reference to species of importance for wildlife management. Introduction to the species of birds and mammals of importance for game management and wildlife biology, with particular emphasis on specific aspects of game management and conservation: distribution, population size, trends, habitat, reproduction and feeding biology.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Basics of Forestry

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER039N

ECTS Credits: 3

AIM OF SUBJECT:

Forestry is a purposeful human activity to manage forests. The goal of forest management is not only to meet immediate needs of people of today but also those in the future, i.e., sustainability is one of the core elements of forestry. Students are not going to be managers of forests, however, they most probably will have tasks that will be related to forests one way or another. The aim of the course is that students get acquainted with the most important characteristics of forests that are important for forest management, the main concepts and methods of managing forests, based on which they may understand what and why is done in forests, and how one has to communicate with forest managers.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

International Wildlife

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER277N

ECTS Credits: 3

AIM OF SUBJECT:

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Small Game Management

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER017N

ECTS Credits: 4

AIM OF SUBJECT:

Small game as a group of wildlife. Population biology, situation, managing methods and aspects of small game in Europe. Population biology and life-history variation of game birds; predators; habitat quality and game bird population ecology; game bird mating systems; harvesting game birds; population simulation models.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife Habitat Management Worldwide

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER287N

ECTS Credits: 4

AIM OF SUBJECT:

The aim of the course is to give an overview of the different testing and data collection methods that can be used in game management, including both, field methodologies that can be easily performed and modern technical solutions. After discussing the theoretical background of each method, students are introduced to the use of analytical software in each case or try the procedure in the open field (e.g. analysis of remote sensing camera images, individual recognition, behavioral analysis, home range analysis, drones etc.).

CONTENT:

GRADING SYSTEM:

Practical grade

LITERATURE:

Wildlife Research Methodology

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER290N

ECTS Credits: 4

AIM OF SUBJECT:

The aim of the course is to provide deeper insight into different wildlife research techniques widely utilisable in everyday practice. The course demonstrates several data collection methodologies from the planning of the study till the evaluation of results. Students have opportunity to perform short observations and analyses using those field techniques in the campus area or software in the classroom.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife tourism

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER163N

ECTS Credits: 4

AIM OF SUBJECT:

Students will learn about the development of wildlife tourism from its beginnings to nowadays, and the role of wildlife tourism in ecotourism.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Game Damage Control and Assessment

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 6

SUBJECT CODE: VDTER192N

ECTS Credits: 4

AIM OF SUBJECT:

The practical sessions are delivered in a block format. The basic aim of the course is to provide knowledge to tackle one of the most pressing problems in wildlife management. In particular, it covers: the types and forms of damage caused by wildlife in agriculture and forestry; mechanical, chemical and biological means of preventing and controlling wildlife damage; ways of preventing wildlife damage through game and habitat management; estimating wildlife damage in forestry and agricultural crops; estimating agricultural yields; liability for wildlife damage.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Game Meat and Other Products Sale

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 6

SUBJECT CODE: VDTER190N

ECTS Credits: 3

AIM OF SUBJECT:

Students can get acquainted with the professional evisceration after the shooting of the game, and then with its handling and transport. Knowledge of the quality characteristics, proper storage and refrigeration of game meat as a food is essential for careful handling. Knowledge of the diseases (viruses, bacteria, parasites) that occur during the handling of game meat is essential in game processing. Food contamination from game meat, toxicological knowledge and waste management are also important parts of the processing. Legal knowledge of food safety will help master the legal background.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Hunting Administration and Wildlife Harvest Planning

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 6

SUBJECT CODE: VDTER159N

ECTS Credits: 4

AIM OF SUBJECT:

Project work. The practice will be held as block education. The course provides a comprehensive overview of the theory and practice of game management planning, as well as the main issues of game management economics.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Hunting Cynology

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 6

SUBJECT CODE: VDTER160N

ECTS Credits: 3

AIM OF SUBJECT:

After the dog was domesticated, man began to develop different breeds according to use. With the development of hunting methods and the development of hunting weapons, the tasks of hunting dogs have also changed. Different breeds began to be used for different hunting methods. In addition to the use of hunting dogs, the knowledge of their biological characteristics and anatomical structure helps to create appropriate housing conditions. The knowledge of ethology, feeding, training, and their practical use and keeping is essential information for the proper keeping of hunting dogs.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Monitoring and Data Collection

Study Programme: BSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 6

SUBJECT CODE: VDTER105N

ECTS Credits: 4

AIM OF SUBJECT:

The concept and process of estimation. Statistical parameters of estimations, precision, bias, accuracy. Methods of estimating the number of animals: methods based on direct counting, methods based on marking and removal of animals. Population indices. Quadratic, strip census and line transect. Monitoring of the environment or populations, the requirements of a monitoring program. Acoustic population estimation. The use of maps, GPS and geographical information systems.

CONTENT:

GRADING SYSTEM:

Practical grade

LITERATURE:

Game hygiene and meat handling

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER189N

ECTS Credits: 6

AIM OF SUBJECT:

Nowadays we also play game management in game parks and game farms. Production is similar to keeping farm animals. The use of the wild species kept here for food purposes requires the satisfaction of the housing conditions, feeding and other needs of the animals. In order to achieve food safety, it is necessary to know the diseases related to wild diseases and the specification of the handling of wild meat. The rules on disinfection, hygiene and the disposal of animal waste are all important in the production of meat for human consumption.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Integrated small game management

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER056N

ECTS Credits: 5

AIM OF SUBJECT:

The aim of the course is to integrate into a coherent structure the most important zoological, habitat management and wildlife management knowledge required for the management of each small game species. It will cover methods for collecting and evaluating the data needed for application and will detail the management models already developed for each species.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

International Wildlife Issues

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER097N

ECTS Credits: 3

AIM OF SUBJECT:

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Research Methods of Wildlife Biology

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER174N

ECTS Credits: 4

AIM OF SUBJECT:

The concept and process of estimation. Statistical parameters of estimations, precision, bias, accuracy. Methods of estimating the number of animals: methods based on direct counting, methods based on marking and removal of animals. Population indices. Quadratic, strip census and line transect. Monitoring of the environment or populations, the requirements of a monitoring program. Acoustic population estimation. The use of maps, GPS and geographical information systems. Radiotelemetry, diet analysis. Questionnaire surveys, camera traps.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Selected Chapters of Wildlife Conservation

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER173N

ECTS Credits: 3

AIM OF SUBJECT:

Introduce the ecological basics of modern wildlife science and present applied aspects of wildlife conservation and management. It integrates theoretical principles, practical development, and quantitative methods. After an overview of eco-logical concepts essential to the under-standing of renewable natural resource manage-ment, students will learn about the underlying concepts wild-life management.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Wildlife tourism

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 2

SUBJECT CODE: VDTER161N

ECTS Credits: 3

AIM OF SUBJECT:

Students will learn about the development of wildlife tourism from its beginnings to nowadays, and the role of wildlife tourism in ecotourism.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Game Damages and Damage Estimation

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER186N

ECTS Credits: 3

AIM OF SUBJECT:

The basic aim is to provide knowledge on the concept of wildlife damage and the value of wildlife. The main topics include: the types and forms of damage caused by wildlife in agriculture and forestry; mechanical, chemical and biological means of wildlife damage control and prevention; estimation of wildlife damage in forestry and agricultural crops; economical evaluation of wildlife management.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

History of hunting

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTERR126N

ECTS Credits: 3

AIM OF SUBJECT:

The tasks of the subject include the introduction of hunting culture and traditions. The aim of the course is to draw attention to the values of hunting in the history of science, their diversity, and the importance of learning about memories. In the curriculum of the subject, the former wildlife, the hunting methods and weapons, and the hunting culture become known (chronologically) through the locations of the Hungarian hunts in the past.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Hunting Administration

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER158N

ECTS Credits: 3

AIM OF SUBJECT:

Familiarization with the legal, administrative, organizational, professional and advocacy organization of hunting. Organisation and tasks of the hunting authority. Specialist and expert functions of the chief hunters of the landscape. The professional policy responsibilities of the Department of Game Management. The Chamber of Hunting and the Protection Association. International hunting organisations.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE:

Sustainable Forestry

Study Programme: MSc in Wildlife Management Engineering

SEMESTER: 2026/27/2

Relevant semester of the Study Programme at MATE: 4

SUBJECT CODE: VDTER048N

ECTS Credits: 3

AIM OF SUBJECT:

Forest management is responsible for the proper management of one of the most important component of our environment, i.e., forest. The objective of the course is to present the most important concepts related to sustainability, which is key to managing forests, and the most important tools and methods that are needed to implement these concepts in practice. The knowledge and approaches that are taught at the course are additional to, and based on, those taught at the BSc level. The course details the theory of quantitative sustainability, how it could be measured, what criteria and indicators are used to assess it, and how all these could be implemented in practice.

CONTENT:

GRADING SYSTEM:

Exam

LITERATURE: