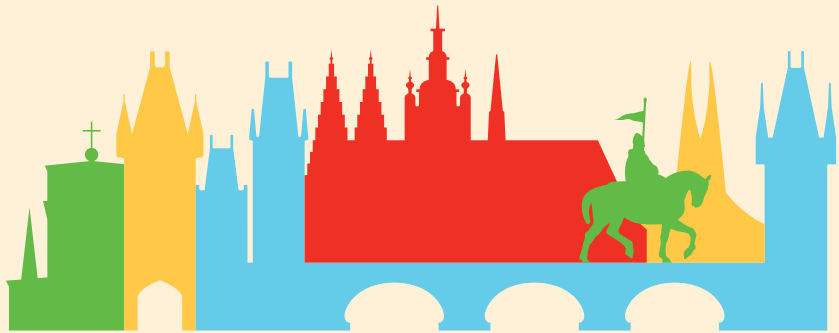


# STUDENT GUIDE



ACADEMIC YEAR  
2015/2016



# Study in Prague

[www.studyinprague.cz](http://www.studyinprague.cz)

**Publisher:**

Czech University of Life Sciences Prague

International Relations Office

Kamycka 129

CZ - 165 21 Prague 6, Suchbátův

Phone: +420 234 381 830

Fax: +420 234 381 817

[www.czu.cz](http://www.czu.cz)

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Supported by the European Commission's Programme ERASMUS+  
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EUROLEAGUE FOR LIFE SCIENCES (ELLS)  
[www.euroleague-study.eu](http://www.euroleague-study.eu)



ASSOCIATION OF EUROPEAN LIFE SCIENCES UNIVERSITIES (ICA)  
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*“Let us have but one end in view, the welfare of humanity; and let us put aside all selfishness in considerations of language, nationality, or religion.”*



**J. A. Komenský – Comenius (1597 – 1670)**  
**Didactics**

# UNIVERSITY STRUCTURE

RECTOR

RECTOR'S  
BOARD

SCIENTIFIC  
BOARD

MANAGEMENT  
BOARD

SENATE

Vice Rector  
for Sciences  
& Research

Vice Rector  
for  
Education

Vice Rector  
for  
International  
Relations

Vice Rector  
for Strategy

Vice Rector  
for  
Information  
Technology

Chancellor

University  
Bursar

FACULTY  
of Economics  
and Management

FACULTY  
of Agrobiology,  
Food and Natural  
Resources

FACULTY  
of Environmental  
Sciences

FACULTY  
of Engineering

FACULTY  
of Forestry and  
Wood Sciences

FACULTY  
of Tropical  
Agrisciences

INSTITUTE  
of Education and  
Communication



# FOREWORD

*Dear colleagues, dear students,*

*Thank you for choosing the Czech University of Life Sciences Prague (CULS) as your academic destination, for a few weeks, a short term mobility scheme, such as that offered in the framework of the ERASMUS+ programme, or for graduate or post graduate degree studies, currently offered in Czech or in English at one of our 6 Faculties.*

*International students are a great asset for our academic community. For them, as well as for our local students, CULS offers this academic year 8 BSc and 21 MSc study programmes taught entirely in English. Our professors and teachers will share with you their advanced theoretical and practical knowledge and skills in diverse disciplines related to life sciences, such as agriculture and forestry, environmental management, ecology, land and water management, engineering, agricultural economics, economics and management, business administration, informatics, social sciences and rural development, sustainable energy resources and technologies, including the projection of all above mentioned disciplines in tropical and subtropical regions of our planet.*

*Currently, CULS is a temporary home for nearly three thousand international students from 86 countries. In the academic year 2014 – 2015 we hosted 420 students from all around Europe in the framework of the popular ERASMUS+ programme. As we are one of the top universities in the Czech Republic, international cooperation is top priority for us. CULS signed more than 180 Inter Institutional Agreements with universities throughout Europe, and 160 Memorandums of Understanding with universities around the world. Furthermore, CULS is member of several important international university networks, including the Euroleague for Life Sciences (ELLS) [www.euroleague-study.org](http://www.euroleague-study.org)*

*I am confident that studies at CULS Prague will be highly beneficial for you. Becoming a member of our academic community, be it for a semester or for several academic years, will surely enhance your knowledge and scientific understanding of the world we live in – the world of life sciences.*

Professor Ing. Jiří Balík, CSc  
Rector





## FACULTY OF AGROBIOLOGY, FOOD AND NATURAL RESOURCES (FAFNR)

1. Department of Agroecology and Biometeorology
2. Department of Agroenvironmental Chemistry and Plant Nutrition
3. Department of Botany and Plant Physiology
4. Department of Genetics and Breeding
5. Department of Husbandry and Ethology of Animals
6. Department of Chemistry
7. Department of Quality of Agricultural Products
8. Department of Microbiology, Nutrition and Dietetics
9. Department of Plant Protection
10. Department of Soil Science and Soil Protection
11. Department of Forage Crops and Grassland Management
12. Department of Crop Production
13. Department of Animal Husbandry
14. Department of Veterinary Sciences
15. Department of Water Resources
16. Department of Horticulture
17. Department of Landscape Architecture
18. Department of Zoology and Fisheries

## FACULTY OF ECONOMICS AND MANAGEMENT (FEM)

1. Department of Economic Theories
2. Department of Humanities
3. Department of Information Engineering
4. Department of Information Technologies
5. Department of Languages
6. Department of Trade and Accounting
7. Department of Systems Engineering
8. Department of Law
9. Department of Psychology
10. Department of Management
11. Department of Statistics
12. Department of Economics

## FACULTY OF ENVIRONMENTAL SCIENCES (FES)

1. Department of Applied Geoinformatics and Spatial Planning
2. Department of Environmental Geosciences
3. Department of Ecology
4. Department of Land Use and Improvement
5. Department of Water Resources and Environmental Modelling
6. Department of Applied Ecology

## FACULTY OF FORESTRY AND WOOD SCIENCES (FFWS)

1. Department of Genetics and Physiology of Forest Trees
2. Department of Forestry Economics and Management
3. Department of Forest Ecology
4. Department of Forest Harvesting
5. Department of Forest Management
6. Department of Forest Protection and Entomology
7. Department of Game Management and Wildlife Biology
8. Department of Silviculture
9. Department of Wood Processing
10. Department of Wood Products and Wood Constructions

## FACULTY OF ENGINEERING (TF)

1. Department of Electrical Engineering and Automation
2. Department of Physics
3. Department of Quality and Dependability of Machines
4. Department of Mathematics
5. Department of Material Science and Manufacturing Technology
6. Department of Mechanical Engineering
7. Department of Technological Equipment of Buildings
8. Department of Vehicles and Ground Transport
9. Department of Machinery Utilization
10. Department of Agricultural Machines

## FACULTY OF TROPICAL AGRISCIENCES (FTA)

1. Department of Animal Science and Food Processing
2. Department of Economics and Development
3. Department of Sustainable Technologies
4. Department of Crop Sciences and Agroforestry

## INSTITUTE OF EDUCATION AND COMMUNICATION (IEC)

1. Department of Pedagogy
2. Department of Lifelong Learning and Study Support
3. Department of Professional and Personal Development

# FACTS & FIGURES

Faculties: **6**

Institutes: **1**

Departments: **60**

Academic Staff (professors, assistants, lecturers & support staff): **2 500**

Enrolled students: **21 500** (Academic year 2014 – 2015)

International students: **2 100** (Academic year 2014 – 2015)

Degrees awarded: Bc. (BSc), Ing. (MSc), PhD

Number of BSc study programmes/fields of studies: **71**

Number of MSc study programmes/fields of studies: **87**

Number of PhD study programmes/fields of specialisation: **75**

Number of BSc study programmes taught in English: **8**

Number of MSc study programmes taught in English: **21**

PhD study programmes/fields of specialisation in English: **23**

ERASMUS outgoing students: **390** (Academic year 2014/2015)

ERASMUS incoming students: **420** (Academic year 2014/2015)

The history of our university starts with the establishment of the Department of Agricultural and Forestry Sciences at the Czech Polytechnics University in 1906. In 1920 the Department of Agriculture received the status of a University College. The University College of Agriculture (VSZ) was then part of the new Czech Technical University in Prague (CVUT). After WWII, from 1948 to 1960's, VSZ grew in size and by 1965 it was moved to a newly built campus in Suchbátka, a small township about six kilometres from downtown Prague, on its north western outskirts. In January 1995 VSZ was renamed, by a Czech Governmental Act, to Česká zemědělská univerzita v Praze (CZU), Czech University of Agriculture Prague (CUA). In line with the Bologna Declaration (1999), a three tier (BSc, MSc, PhD) educational system was set up at all Faculties and Institutes at the start of the new millennium. In January 2007 the official English name of our university was changed to Czech University of Life Sciences Prague (CULS), reflecting the full scope of the educational and research objectives of the university. As of 1 July 2007 the former Faculty of Forestry and Environment has been divided into two specialised Faculties, namely the Faculty of Forestry and Wood Sciences and the Faculty of Environmental Sciences. A newly built University Centre for Environmental Studies was inaugurated on 8 February 2011. The Institute of Tropics and Subtropics has been transformed in a Faculty – Faculty of Tropical AgriSciences – in 2013.

# INFORMATION FOR EXCHANGE STUDENTS

## Mobility Programme ERASMUS+

1. Applications for the winter semester must be submitted by 15 June, applications for the summer semester must be submitted by 15 November.
2. Application documents (Must be filled out electronically and submitted in printed version):
  - 1) Student Application Form (1 x)
  - 2) Learning Agreement (2x including blank pages, signed by applicant, ERASMUS+ coordinator and Department coordinator). Do not forget to fill out the header with personal information.
  - 3) Transcript of Records (Previous studies confirmation 1x, signed by responsible person at your university, can be submitted on home university template)
  - 4) Reservation for accommodation at CULS Dormitories (provided you chose this option)

Please send all above mentioned documents as a parcel by postal delivery in one envelope to:

Ing. Jitka Malatáková, Incoming Erasmus+ coordinator, International Relations Office, Czech University of Life Sciences Prague, Kamycka 129 / 165 21 Prague 6, Suchbát

3. In order to fulfil ERASMUS+ requirements students must acquire a total of 30 ECTS per semester, or 60 ECTS per academic year
4. Grades and ECTS credits acquired during studies at CULS are written in a Transcript of Records, which is issued by the relevant Faculty of CULS and signed by the Departmental Coordinator.
5. Exchange students may select subjects taught in one of the BSc or MSc study programmes taught in English. Exceptionally they can also select subjects from a different study programme. Selected subjects are written by the student in a Learning Agreement, an official document which must be filled out in 2 copies and signed by the applicant, the Departmental and ERASMUS+ Institutional Coordinators of the sending university. Together with the Transcript of Records and ERASMUS+ Application Documents and Reservation of Accommodation must be sent to CULS incoming student coordinator (contact below) before you leave for our University departure.

# INFORMATION FOR DEGREE STUDENTS INCLUDING EU or GOVERNMENT GRANT HOLDERS

1. Applicants' diplomas must be recognised in the Czech Republic (i.e. students must receive a Certificate of Recognition). Foreign university diplomas, or secondary school leaving diplomas, must bear an official Apostille, issued by the Accreditation Agency in your home country.
2. Admission in degree studies at CULS: entrance examination or oral interview.
3. Standards duration of studies at CULS: BSc degree studies – 3 academic years; MSc degree studies – 2 academic years; PhD – 3 or 4 academic years.
4. Electronic application for degree students is available at <http://prijimacky.czu.cz/>.
5. The confirmation on payment of enrolment fee must be submitted to the Study Office of the relevant Faculty before the start of the academic year.
6. For more information please contact the International Relations Office at the relevant CULS Faculty (see Contacts section at page....)
7. For visa and health insurance provisions please see the section Before Your Arrival.



# MAIN UNIVERSITY REGULATIONS

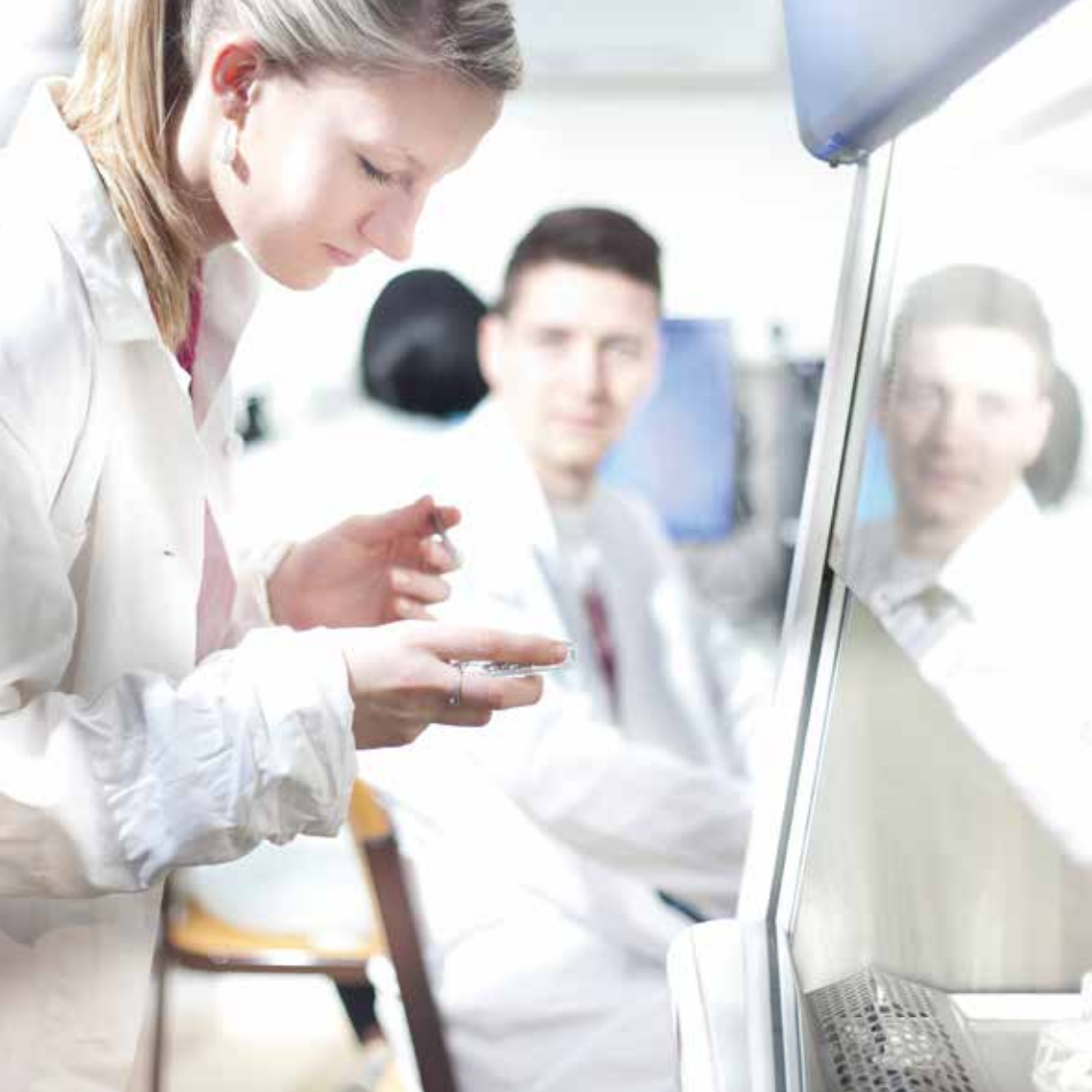
1. The Czech University of Life Sciences Prague (CULS Prague), its Faculties and Institutes, ensure higher education within the framework of accredited study programmes. These study programmes are accredited by CULS internal regulations and subsequently approved by the Accreditation Commission of the Ministry of Education, Youth and Sports of the Czech Republic, in accordance with EU regulations.
2. The Bachelor study programmes are meant for specific professional purposes as well as a platform for subsequent Master study programmes. The undergraduate is awarded the Czech academic title Bc, written before his/her name. The standard study period is 3 years.
3. The Master and the follow up Master study programmes are meant for acquiring theoretical knowledge and mastering its practical application. The Master graduate is awarded the Czech academic title Ing., written before his/her name. The standard study period is 2 years.
4. The Doctoral (PhD) Study Programme is meant for scientific research and independent creative activities within the framework of research and development. The graduate is awarded the academic title PhD, written after his/her surname. The standard study period is 3 to 4 years.
5. Bachelor and Master study programmes are concluded by the defence of a diploma thesis before an examination board and a final state examination. PhD students must defend their scientific research in a dissertation thesis.
6. The academic year is divided into pre-semester, study, examination and vacation periods. The pre-semester period is used for second session examinations (re-sit) and enrolment in higher study levels. The study period is divided into the winter and the summer semester. The duration of one semester is 12 weeks. The last semester of the BSc or MSc programme has 10 weeks. The examination period follows the winter/summer semester study periods and usually last 5 weeks. It is compulsory for students, during the examination period fo-

llowing each semester, to attend at least one examination session in each subject. Students who did not register for examination on time are assessed as having failed.

7. There are two (2) forms of study attendance: 1) daily attendance and 2) combined attendance. For students registered as daily attendants the presence at seminars and training courses (practical training) is compulsory.
8. International students are accepted only within the daily attendance form of study.
9. Registration for studies of specific study programmes and subsequent enrolment/matriculation of prospective students is regulated by law, in Art. 48 and Art. 49; Act No. 111/1998 on Higher Education in the Czech Republic.
10. The study and examination rules for Bachelor and Master study programmes are issued in accordance with Article 17, subsection 1, letter f) of the Act No. 111/1998 Coll. on Higher Education Institutions (HEI) and on Modifications and Amendments of other Acts, and in accordance with Art. 18 of the CULS Prague Statute as an internal regulation of the CULS Prague.
11. Study and examination rules are compulsory for all students, academic staff and other employees taking part in the pedagogical activities carried out at the CULS, its Faculties and Institute within the scope of accredited study programmes.
12. Results of examinations are assessed by a scale ranging from: A (Excellent or 1); B (Very Good or 2); D (Good or 3); F (Failed or 4).
13. A student who has failed at the first examination session may present him/herself for a subsequent examination session. However, a maximum of two examination sessions is allowed.

# MAIN UNIVERSITY REGULATIONS

14. In specific cases a student may ask to follow an individual study programme after consulting with his/her Faculty Dean and/or study adviser.
15. Upon request a student may leave CULS for another Higher Education Institution (HEI) in the Czech Republic or abroad, change Faculties within CULS, choose another study programme or study form. If and how such a request will be treated will be assessed and determined by the Dean of the relevant Faculty.
16. In accordance with Art. 55 of the Czech Act on Higher Education, studies at the CULS are concluded by a final state examination.
17. Studies in Czech study programme are free of charge. Students pay an enrolment fee of CZK 550 at enrolment. Exchange students do not pay an enrolment fee.
18. Students who enrol as degree students in one of the English study programmes offered by CULS Prague pay a tuition fee, which will be determined by the faculty in which they enrol. The tuition fee varies according to the Faculty. For more information please contact the International Relations Office at the relevant CULS Faculty.



# BSc, MSc and PhD STUDY PROGRAMMES OVERVIEW

Study programmes are accredited for both daily and distance (combined) forms of studies

**BSc** undergraduates are awarded the university degree Bc.

**MSc** graduates are awarded the university degree Ing.

**PhD** postgraduates are awarded the university degree PhD

**Highlighted study programmes/ fields of studies are in English**

## FACULTY OF AGROBIOLOGY, FOOD AND NATURAL RESOURCES

### BSc Study programmes (3 years – 180 ECTS)

Study programme code	Study programme title Fields of studies
<b>B4102</b>	<b>Crop Science</b> Crop Production
<b>B4144</b>	<b>Horticulture</b> Horticulture Management in Horticulture Garden and Landscape Maintenance Turf and Lawn Management
<b>B4103</b>	<b>Animal Science</b> Animal Production Horse Breeding Companion Animals Cynology (canine behaviour and training)
<b>B4154</b>	<b>Organic Agriculture</b> Organic Agriculture
<b>B4155</b>	<b>Public Administration in Agriculture and Landscape Management</b> Public Administration in Agriculture and Landscape Management
<b>B4148</b>	<b>Agriculture, Horticulture and Rural Development</b> Animal Production Crop Production Market and Ornamental Gardening Rural Development Quality of Agri Products Plant Protection
<b>B4109</b>	<b>Garden a Landscape Architecture</b> Garden and Landscape Architecture
<b>B4109</b>	<b>Garden a Landscape Architecture</b> Garden and Landscape Architecture
<b>B4147</b>	<b>Sustainable Use of Natural Resources</b> Sustainable Use of Natural Resources
<b>B4161</b>	<b>Agriculture and Food</b> Agriculture and Food

## MSc Study programmes (2 years – 120 ECTS)

Study programme code	Study programme title Fields of studies
N4103	<b>Animal Science</b> Animal Science Special Breeds Animal Nutrition and Dietology
N4102	<b>Crop Science</b> Crop Science Plant Nutrition and Protection
N4109	<b>Garden a Landscape Architecture</b> Garden and Landscape Architecture
N4152	<b>Plant Protection</b> Plant Protection
N4144	<b>Horticulture</b> Market Horticulture Garden and Landscape Planning
N4150	<b>Genetic and Breeding Sciences</b> Plant Breeding Animal Breeding Biotechnology of Reproduction
N4149	<b>Rural Development and Agriculture</b> Farm Management Farming Rural Development
N4145	<b>Farm Products Quality and Processing</b> Farm Products Quality and Processing
N4151	<b>Care of Biosphere</b> Waste Use and Management Sustainable Biosphere Development
N4146	<b>Soil Assessment and Protection</b> Soil Assessment and Protection
N4162	<b>Organic agriculture</b> Organic agriculture
N4153	<b>Natural Resources and Environment</b> Natural Resources and Environment
N4163	<b>Sustainable Agriculture and Food Security</b> Sustainable Agriculture and Food Security
N4164	<b>Natural Resources Management and Ecological Engineering (Joint MSc Programme with BOKU Vienna)</b> Natural Resources Management and Ecological Engineering
N4165	<b>Nutrition and food</b> Nutrition and food

## PhD Study programmes (3 – 4 years)

Study programme code	Study programme title Fields of studies
P4102	<b>Crop Science</b> General Crop Science Special Crop Science
P4103	<b>Animal Science</b> General Animal Science Special Animal Science
P4106	<b>Agricultural Specialisation</b> Agricultural and Forestry Phytopathology and Plant Protection Agricultural Chemistry Exploitation and Protection of Natural Resources

## FACULTY OF ECONOMICS AND MANAGEMENT

## BSc Study programmes (3 years – 180 ECTS)

Study programme code	Study programme title Fields of studies
B6202	<b>Economic Policy and Administration</b> Economics and Cultural Studies Public Economics and Regional Development <b>Business Administration</b>
B6207	<b>Quantitative Methods in Economics</b> Systems Engineering
B6208	<b>Economics and Management</b> <b>Economics and Management</b> Business Operations and Economics
B6209	<b>Systems Engineering and Informatics</b> <b>Informatics</b>

## MSc Study programmes (2 years – 120 ECTS)

Study programme code	Study programme title Fields of studies
N6202	<b>Economic Policy and Administration</b> <b>Business Administration</b> Public Administration and Regional Development Economics and Cultural Studies
N6207	<b>Quantitative Methods in Economics</b> Systems Engineering
N6208	<b>Economics and Management</b> <b>Economics and Management</b> Agricultural Economics and Management <b>European Agrarian Diplomacy</b> Business Operations and Economics
N6209	<b>Systems Engineering and Informatics</b> Informatics <b>Informatics</b>

## PhD Study programmes (3 – 4 years)

Study programme code	Study programme title Fields of studies
P6202	<b>Economic Policy and Administration</b> Regional and Social Development
P6207	<b>Quantitative Methods in Economics</b> Systems Engineering
P6208	<b>Economics and Management</b> <b>Management</b> Sector Economics and Economics of Enterprise Management <b>Sector Economics and Economics of Enterprise Management</b>
P6209	<b>Systems Engineering and Informatics</b> <b>Information Management</b>

## FACULTY OF ENGINEERING

## BSc Study programmes (3 years – 180 ECTS)

Study programme code	Study programme title Fields of studies
B3710	<b>Transport and Telecommunications Technology</b> Road and Urban Transport
B3909	<b>Process Engineering</b> Techniques & Technology of Waste Processing Technological Equipment for Construction
B4101	<b>Agricultural Engineering</b> <b>Agricultural Engineering</b> Information and Control Engineering for Food Processing Agricultural Technology Environmental Restoration and Conservation Technology Maintenance Engineering
B4106	<b>Agricultural Specialisation</b> Business and Trade with Technology

## MSc Study programmes (2 years – 120 ECTS)

Study programme code	Study programme title Fields of studies
N3909	<b>Process Engineering</b> Techniques & Technology of Waste Processing Technological Equipment in Constructions
N3710	<b>Transport and Telecommunications Technology</b> Road and Urban Transport
N4110	<b>Technology and Environmental Engineering</b> <b>Technology and Environmental Engineering</b>
N4106	<b>Agricultural Specialisation</b> Business and Trade with Technology
N4101	<b>Agricultural Engineering</b> Information and Control Engineering for Food Processing Agricultural Technology Maintenance Engineering

## PhD Study programmes (3 – 4 years)

Study programme code	Study programme title Fields of studies
P3906	<b>Special Technology</b> Quality and Dependability of Machines and Equipment
P3907	<b>Power Engineering</b> Power Engineering
P4101	<b>Agricultural Engineering</b> Technology and Mechanisation in Agriculture Technology of Production Processes <b>Engineering of Agricultural Technological Systems</b>
P4106	<b>Agricultural Specialisation</b> Marketing of Machines and Technical Systems



## FACULTY OF ENVIRONMENTAL SCIENCES

## BSc Study Programmes (3 years – 180 ECTS)

Study programme code	Study programme title Fields of studies
B3904	<b>Engineering Ecology</b> Applied Ecology
B3915	<b>Landscaping</b> Landscaping Land-use Planning and Management Landscape Technical and Management Services Water Management

## MSc Study programmes (2 years – 120 ECTS)

Study programme code	Study programme title Fields of studies
N3904	<b>Engineering Ecology</b> Applied Ecology Nature Protection Nature Conservation Land and Water Management
N3914	<b>Landscape Engineering</b> Landscape Engineering Water in Landscape Landscape and Grounds Improvement Environmental Modelling Environmental Modelling Landscape Planning
N1201	<b>Geology</b> Environmental Geosciences

## PhD Study Programmes (3 – 4 years)

Study programme code	Study programme title Fields of studies
P1514	<b>Ecology</b> Ecology
P3904	<b>Engineering Ecology</b> Applied and Landscape Ecology
P3914	<b>Landscape Engineering</b> Environmental modelling Water Regimes and Improvements

## FACULTY OF FORESTRY AND WOOD SCIENCES

## BSc Study programmes (3 years – 180 ECTS)

Study programme code	Study programme title Programme Branches (Sectors)
B4132	<b>Forestry</b> Forestry Economics and Administration Services in Forestry Game Operation and Management Preservation of Natural Objects and Taxidermy <b>Game Management</b> Forestry
B3341	<b>Wood Technology</b> Wood Technology Business in the Wood Processing and Furniture Industry

## MSc Study programmes (2 years – 120 ECTS)

Study programme code	Study programme title Programme Branches (Sectors)
N4107	<b>Forest Engineering</b> Forest Engineering <b>Forest Engineering</b> <b>Forestry Water and Landscape Management</b> <b>Tropical Forestry and Agroforestry</b>
N3301	<b>Wood Engineering</b> Wood Engineering

## PhD Study Programmes (3 – 4 years)

Study programme code	Study programme title Programme Branches (Sectors)
P4107	<b>Forestry Engineering</b> Silviculture Forest Protection and Game Management Dendrology and Forest Tree Breeding Forest Management <b>Technology and Mechanisation in Forestry</b>
P6208	<b>Economics and Management</b> Economics and Management of an Enterprise

## FACULTY OF TROPICAL AGRISCIENCES

## BSc Study Programmes (3 years – 180 ECTS)

Study programme code	Study programme title Fields of studies
B4106	<b>Agricultural Specialisation</b> Tropical and Subtropical Agriculture Sustainable Rural Development in Tropics and Subtropics

## MSc Study programmes (2 years – 120 ECTS)

Study programme code	Study programme title Fields of studies
N4106	<b>Agricultural Specialisation</b> Management of freely living animals and their breeding in Tropics and Subtropics Sustainable Rural Development in TS Agriculture in TS
N4157	<b>Tropical Agriculture</b> Sustainable Rural Development in Tropics and Subtropics Animal and Food Sciences in Tropics and Subtropics International Development and Agricultural Economics Wildlife Management in Tropics and Subtropics Tropical Crop Management and Ecology
N4107	<b>Forestry Engineering</b> Tropical Forestry and Agroforestry

## PhD Study Programmes (3 – 4 years)

Study programme code	Study programme title Fields of studies
P4106	<b>Agricultural Specialisation</b> Tropical and Subtropical Agriculture Sustainable Rural Development in Tropics and Subtropics

## INSTITUTE OF EDUCATION AND COMMUNICATION

**BSc Study programmes (3 years – 180 ECTS)**

<b>Study programme code</b>	<b>Study programme title</b> Fields of studies
<b>B7507</b>	<b>Specialisation in Teacher Education</b> Teacher Certificate in Practical Subjects Teacher Certificate in Vocational Subjects Consultancy in Vocational Education

# SUMMER SCHOOLS AND INTENSIVE PROGRAMMES

## 1. Summer Schools

Since 1992 the Faculty of Economics and Management at CULS Prague has been running a summer school, which lasts 6 weeks (July – August), with the participation of the following universities from the USA: The Ohio State University, University of Missouri Columbia, Kansas State University, PennState and TexasTech. Themes: Rural Sociology, Agricultural Economics, International Studies.

Interested students from the USA please visit: [www.summerschool.cz](http://www.summerschool.cz)

US Students Summer School Director: PhDr. Vlastimil Cerny CSc.,MA, [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

2. As a member of the Euroleague for Life Sciences (ELLS), students from CULS can also enrol in summer schools and intensive programmes organised by ELLS. Detailed information on ELLS summer schools and intensive programmes can be found at <http://www.euroleague-study.org>

# BEFORE YOUR ARRIVAL

Studying abroad is an unforgettable experience which will benefit you throughout your life. Joining the academic community at CULS Prague will open new perspectives for your future professional career, give new insights into various areas of research and study and give you an opportunity to make new friends. Here is some initial information concerning the different steps you will have to take before enrolling as an exchange student.

## CHOOSING YOUR STUDY PROGRAMME

If you have decided to study with us you will be joining a demanding academic environment. You will find studies at CULS Prague challenging and of high quality. The staff of the International Relations Office is happy to welcome applicants from around the world. It is our goal to make your studies in the Czech Republic as profitable and rewarding as possible. We are always ready to provide you with help and advice. Here is some initial information you will need:

- Students who are applying through the EU mobility or ERASMUS+ programmes must be confirmed by the ERASMUS+ coordinator from their home university. They can choose only one major study programme, either from the BSc, MSc Study Programmes or Summer School/Intensive Programmes offered at CULS.
- Students should choose approximately six subjects per semester (approximately 10 subjects per academic year) in order to fulfil the requirements of 30 ECTS credits per semester (60 ECTS credits per academic year).
- The students will be granted academic credits through the European Credit Transfer System (ECTS). These credits will be recognised by your home university, provided it is integrated within the ECTS network of universities. The aim of the ECTS system is to promote student mobility between institutions and countries (see ECTS Information Packet).

**Exchange student's application documents should be sent by postal delivery to:**

**Czech University of Life Sciences Prague  
International Relations Office  
Jitka Malatakova – Incoming ERASMUS coordinator  
Kamycka 129  
165 21 Prague 6 – Suchdol  
Czech Republic**

The deadlines for submission of Application Documents (including Reservation of Accommodation) are:

15 June for students wishing to come for the winter semester or a full academic year

15 November for students wishing to come for the summer semester

**ONLINE REGISTRATION\*** (\* Does not apply for ERASMUS+ exchange students)

Online registration can be accessed at: <http://prijimacky.czu.cz>. In the online registration you will also be requested to register for a ISIC Student Card and electronic wallet UEP (for more information see section “Life at the Campus”). International applicants for degree studies must register in the CULS electronic online registration system before their enrolment at CULS Prague (in August and September, i.e. before the start of the academic year). Subsequently they will receive an ID login and password from the CULS incoming student coordinator.

Erasmus+ exchange students will be registered after arrival to CULS.

## VISA REGULATIONS

Visa Regulations for incoming students:

Students from the EU, Norway, Switzerland and other countries with visa free agreements do not need a visa.

### **If you need a visa to get to the Czech Republic this is how you should proceed:**

When you receive the Letter of Acceptance and a Confirmation of Accommodation apply for a student visa at the Czech Embassy or Czech Consulate in your country of origin. You will get visa application forms (in five main European languages) that are to be filled out with the help of the embassy personnel. There are two types of student visas: short term (up to 90 days), and long term (more than 90 days). Applications for both short term and long term visa must be submitted at the Czech Embassy or Czech Consulate. The short term visa is issued by the Czech Embassy or Czech Consulate and takes only 10 days to be processed. The long term student visa is issued by the Czech Ministry of Interior and takes up to 60 days to be processed.

### **For a student visa application you must have the following documents:**

1. A valid passport.
2. A Letter of Acceptance supplied by our university.
3. A Financial Agreement or written Confirmation that you are a beneficiary of study / research grant. You may need a letter from your bank with a statement assuring that you have sufficient financial means to fund your studies in the Czech Republic.
4. A Confirmation of guaranteed accommodation (this will be supplied by our university, provided you have chosen to be accommodated at CULS Halls of Residence).
5. A valid international health insurance from an insurance company which is legally authorised to provide services in the Czech Republic.
6. A Certificate of absence of criminal records or declaration of honour.



## IMPORTANT NOTICE:

There is no chance to get a visa ad hoc, after your arrival in the Czech Republic! Foreign students who need a visa and have not made the necessary arrangements before coming to the Czech Republic will not be registered at CULS.

## Health Insurance Provisions

- Incoming students from the EU are entitled to the same health care as Czech citizens. You may consult [www.vzp.cz](http://www.vzp.cz) for additional information.
- Students from non EU countries, staying in the Czech Republic for less than 3 months should have a supplementary travel health insurance. They should get one before they leave their country of origin.
- Students from non EU countries, staying in the Czech Republic longer than 3 months (for a semester or an academic year) must contract an insurance with an insurance company in the Czech Republic or with an insurance company authorised by the Czech Embassy in their country of origin. Please consult with your study coordinator at CULS before you apply for a long term visa. Czech visa, or long term residence permit, will not be delivered if the insurance (for a semester or an academic year) is not recognised by the Czech Embassy.
- You can buy a health insurance online at:

<https://pojisteni.alive.cz/b2c/health-affiliate.html?execution=e2s1>

<https://www.pvzp.cz/on-line-pojisteni/zzpcvpip/zzpc/basedata.aspx?partner=-6gQuQD&language=en>

**Comprehensive Health Insurance for Long Term Residence:**

<https://www.pvzp.cz/on-line-pojisteni/kzpcvpip/kzpc/basedata.aspx?partner=-6gQuQD&language=en>

# AFTER YOUR ARRIVAL

## 1. ARRIVING IN PRAGUE

### **By airplane to Prague airport**

Prague's Vaclav Havel Airport is located 15 km west of the city centre. You can take city bus No. 119, which brings passengers from the airport to the Metro A station Veleslavin. From Veleslavin take the metro direction Skalka, and get off at metro station Dejvická. At Dejvická, take bus number 107 or 147 to the bus stop Zemedelska univerzita. All stations and stops are announced on the public address system.

### **Coming by train and bus**

Passengers travelling to Prague by train come to two central stations: Hlavni nadrazi (Main Railway Station) or Holesovice (Holesovice Railway Station). Both are on line C of the Metro system. The Main station is usually the terminus for trains from Paris, Frankfurt, Stuttgart, Zurich, Warsaw and Moscow. Holesovice station is for trains coming from Berlin, Dresden, Wien, Budapest and Zagreb. You can get to Dejvická by Metro Line C to station Muzeum and there you can transfer to the Metro Line A, direction Motol. Get off at station Dejvická, then take bus number 107 or 147 to the bus stop Zemedelska univerzita. Coming by international bus you will arrive at the Bus Terminal Florenc, which is also on line C of Metro system. Take a Metro train to Muzeum station and there you can transfer to the Metro Line A, direction Motol, and get off at station Dejvická. At Dejvická, take bus number 107 or 147 to the bus stop Zemedelska univerzita.

### **Picking up service**

Many facilities in the Czech Republic are closed on weekends (Saturday and Sunday), so it is advisable to arrive on a weekday, if at all possible. It is much better to arrive early in the day, so that you have plenty of time to reach our campus. In specific cases we organise a “picking up service” (Buddy system). If you need arrival assistance let us know on time when you will arrive and then some of our students will meet you at the airport, the train or bus station in Prague and accompany you to the university campus.

Picking up services (BUDDY\_GO system:

Please sign up to the facebook page at <https://www.facebook.com/BuddyGocz> )

## **Accommodation before the start of the semester**

Students attending our “Orientation Week” will be accommodated in their allocated rooms upon arrival. If this is not possible, for example if the room is occupied by vacation residents, or it is being refurbished, temporary accommodation will be provided. You will be informed by the dormitory manager when to transfer to your permanent room. To check-in you need: your passport and to fill in some forms. You'll have to pay a deposit of 3 500 CZK.

**Students are kindly requested to arrive during workdays, not on weekends or during holidays, in order to register and pay for their accommodation (payment for accommodation is made at CULS central cash desk, situated on the ground floor of the Study and Information Centre).**

## **2. COMPULSORY ORIENTATION WEEK**

The compulsory orientation week takes place one week before the semester starts. It gives us the opportunity to welcome you to the Czech University of Life Sciences Prague. The programme includes campus tours and several social events, giving you the chance to meet new friends and settle in, before the first week of studies starts.

All new international students must join the orientation programme. Details on the orientation weeks in the academic year 2015 – 2016 (organised in September 2015 & February 2016) will be available on our web page.

**Incoming ERASMUS students can get information on the orientation week from CULS incoming ERASMUS student's coordinator, Ing. Jitka Malatakova, [malatakova@rektorat.czu.cz](mailto:malatakova@rektorat.czu.cz)**

### 3. HOW TO ENROL IN MY COURSES

Detailed information explaining the procedure for registering and for enrolment will be given during the orientation week. Please note: you will not be able to use university facilities until you have formally enrolled at the University.

#### Registering with the foreign police office in Prague

When you have registered at our university dormitories, you will automatically be registered at the foreign police office.

### 4. INFORMATION ON THE ACADEMIC CALENDAR

The academic year is divided into two semesters.

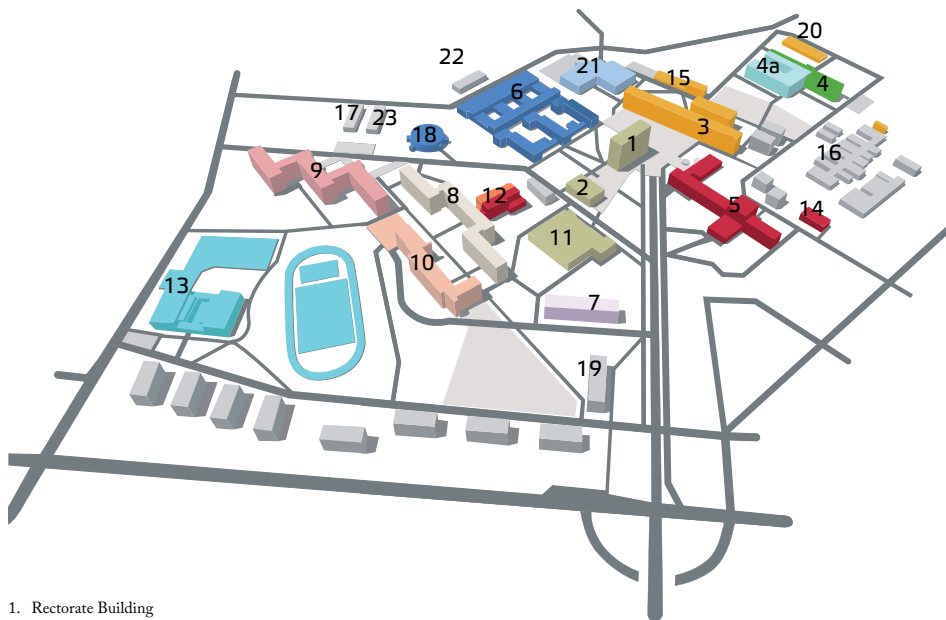
#### Each semester is divided into:

- 12 week course period, during which the students attend 5 - 6 different course units.
- 3–5-week examinations period

#### Academic Calendar 2015 / 2016

Winter (Autumn) Semester	Summer (Spring) Semester
Orientation week 21 September 2015 – 27 September 2015	Orientation week 1 February 2016 – 7 February 2016
Start of Winter Semester 29 September 2015	Start of Summer Semester 8 February 2016
Christmas Holidays 21 December 2015 – 3 January 2016	Examination period 2 May 2016 – 30 June 2016
Examination period 4 January 2016 – 7 February 2016	Summer Holidays start 1 July 2016

# MAP OF CULS PRAGUE



1. Rectorate Building
2. Aula - Graduation Hall
3. Faculty of Agrobiology, Food and Natural Resources
4. Faculty of Forestry Sciences
- 4a. Faculty of Environmental Sciences
5. Faculty of Economics and Management
6. Faculty of Engineering
7. Student Dormitory/Hall od Residence A
8. Student Dormitories/Halls od Residence BCD
9. Student Dormitories/Halls od Residence EFG
10. Student Dormitories/Halls od Residence JIH
11. Student Canteen (Menza)
12. Faculty of Tropical AgriSciences
13. Sports Centre, Heated Swimming Pool
14. Department of Languages
15. Department of Veterinary Sciences
16. Greenhouses
17. Garages
18. Round Hall Lecture Rooms
19. KB Bank & Staff Medical Centre
20. Cattle Breeding Trial Farmhouse
21. Study Information Centre (SIC)  
Central Library, University Cash Desk
22. University Trial Fields
23. Canine Behaviour & Training Centre

**COSTS OF ROOMS:** CZK 2 700.00 – 3 700.00 (approximately EUR 100,00 - EUR 150,00). Costs for accommodation include bed, pillow, blanket, sheets (for laundry service see below), heating, warm and cold water, local taxes and insurance. Each room is equipped with basic amenities, i.e. writing desks and cupboards, reading lamps and cleaning equipment (broom, bucket etc.). Rooms are allocated according to availability.

## **1. ACCOMODATION AND REGISTRATION AT CULS HALLS OF RESIDENCE**

Provided that you have sent your Reservation for Accommodation form to CULS incoming students' coordinator, your room will be booked at CULS Halls of Residence. If there is no more room available, you will be notified on time, with an offer of alternative accommodation.

**CULS Halls of Residence registration office** is situated on the ground floor of the CULS Halls of Residence Direction (next to Dormitories BCD), **opened only during workdays, Mon – Fri 8:00 – 15:00** It is closed on weekends on holidays.

Students are kindly requested to arrive during workdays, not on weekends or during holidays, in order to register and pay for their accommodation (payment for accommodation is made at CULS central cash desk, situated on the ground floor of the Study and Information Centre).

### **REFUNDABLE DEPOSIT: CZK 3 500**

This refundable deposit should be paid at the CULS Cash Register Office at SIC Building, together with your accommodation and your room internet connection. The deposit will be fully refunded at the end of your stay, provided that no damage was made to the dormitory inventory. In specific cases the deposit may be used to pay for the last month of your stay. However, it is necessary to consult all such arrangements in advance with the CULS Halls of Residence management.

### **INTERNET CONNECTION: CZK 162 (aprox. EUR 8,00 ) per month**

**LAUNDRY SERVICE:** You will be provided with a set of clean sheets at the start of your stay.

Every two weeks you are entitled to have them washed at our laundry room, which is situated at the ground-floor of each dormitory. At each hall of residence there are also washing machines for students. You can ask for the key for the washing machine room at the reception of each hall of residence. The costs for using the washing machine will be deduced from your electronic wallet (see below in section CULS – ISIC Student Card and electronic wallet).

### **ADDRESSES and PHONE NUMBERS (CULS Halls of Residence):**

A – Kamýcká	933, 165 21 Praha 6 Suchdol,	Phone - 224 383 445 (reception desk)
JiH – Kamýcká	1280, 165 21 Praha 6 Suchdol,	Phone - 224 383 538 (reception desk)
EFG – Kamýcká	1281, 165 21 Praha 6 Suchdol,	Phone - 234 383 462 (reception desk)
BCD – Kamýcká	1283, 165 21 Praha 6 Suchdol,	Phone - 234 383 382 (reception desk)

Visit the Dormitory web page at: [www.kam.czu.cz](http://www.kam.czu.cz)

## **2. THE ISIC STUDENT CARD AND ELECTRONIC WALLET (UEP)**

With an ISIC Student Card you can take your meals at the university dining hall without paying cash and at a reduced price (see below). The ISIC Student Card also functions as an electronic wallet (UEP) it can be re-charged at several charging stations throughout the campus. The costs for each meal are automatically deduced from the balance in your electronic wallet. The card also offers you access to the CULS library, to the internet pavilions and functions as a key that opens the main door of the dormitories. Costs for using the washing machine will also be deduced from your electronic wallet. Most on-campus shops and restaurants accept payments via media the ISIC Student Card and UEP.

You will have to pay an activation fee of 300 CZK (15 EUR) as well as an inscription fee of 250 CZK (10 EUR). You may also arrange a complex health insurance as an additional feature of your ISIC card. The ISIC Student Card is delivered at the ISIC Card Centre on the first floor of the Study and Information Centre (SIC).

### 3. MEALS

#### Breakfast

You can have breakfast at the cafeteria on the ground floor of the students and staff dining halls (Menza). The cafeteria is opened during weekdays from 7:00 to 18:00. The prices vary from 30 to 50 CZK (1,50 – 2 EUR). The cafeteria is closed on Saturdays and Sundays and during holidays.

#### Lunch & dinner

CULS has modern and spacious students and staff dining halls (Menza) The Menza is closed on Saturdays and Sundays and during holidays.

Lunch service: 11:15 14:15 (Choice of 5 different dishes)

Dinner service: 16:45 18:15 (Usually only 1 dish)

Reduced prices for lunch and dinner (includes tea): from 21 to – 47 CZK (0.80 to 1.70 EUR)

Full prices (includes tea): 56 to 86 CZK (2.50 to 3 EUR)

Soups, salads, soft drinks, coffee and desserts are extra.

### 4. HEALTH CARE

#### 4.1. EU Citizens

Legal regulations concerning medical care for EU students involved in mobility programmes, such as ERASMUS+, CEEPUS etc. stipulate that incoming students have free access to any necessary health care during their study/ research periods in the Czech Republic.

In very rare cases a student may be requested by the doctor to pay for treatment in advance. Medical care which is not urgent, such as dental repairs and cosmetic operations, is not included in the EU mobility programmes health care regulations.

Incoming students from the EU are entitled to the same health care as Czech citizens.



## 4.2. Non EU Citizens

Students from non EU countries must have a supplementary travel health insurance, covering the entire period of their stay in the Czech Republic. Students from non EU countries, staying in the Czech Republic longer than 3 months (for a semester or an academic year) must contract an insurance with an insurance company in the Czech Republic or with an insurance company authorised by the Czech Embassy in their country of origin. Please consult with your study coordinator at CULS before you apply for a long term visa. Czech visa, or long term residence permit, will not be delivered if the insurance (for a semester or an academic year) is not recognised by the Czech Embassy.

### **EMERGENCY LINE 112 (Communications in English)**

**Emergency (365 days/24 hours):** Military Hospital Stresovice [www.uvn.cz](http://www.uvn.cz) **Phone 973 203 777**

### **English speaking doctor**

MUDr. Ms Sophie Gemperlová, ul. Bílá 6, Praha 6, tel.: 234606155  
(Near Metro A Station Dejvicka)

### **Emergency dentists (English speaking)**

Městská poliklinika Praha: Spálená 12, Praha 1 (tel.: 222 924 268)  
Mon - Fri 19:00-7:00, Sat, Sun, holidays - nonstop  
(Near Metro B Station Narodni Trida)

### **Emergency Student Clinic**

Městská poliklinika Praha, Spálená 12, Praha 1, tel.: 224 947 113  
(Near Metro B Station Narodni Trida)

**Hospital na Homolce** – Address: Roentgenova 2, Prague 5 (Bus Nr. 167 from Metro B station Andel) Reception 24h service for EU/Czech insurance card holders;

**Phone:** 257 272 522; Reception for Foreigners (Non EU insurance card holders);

**Phone:** 257 272 144; [www.homolka.cz](http://www.homolka.cz)

**University Hospital in Motol** – Medical Care for Foreigners  
V Úvalu 84, 150 06 Praha 5 Phone: 224 431 111 [www.fnmotol.cz/en](http://www.fnmotol.cz/en)

**Private clinics:**

**Canadian Medical Centre**

Address: Veleslavinska 1/30, 162 00 Prague 6; Phone  
235 360 133 <http://www.cmcpraha.cz/en-US>

**Medicover** – Address: Na Perstyně 10, Prague 1, Prague 1; Phone 234 630 111 or 603  
555 006 (24h service) English, German, French, Spanish, Russian.

**DC Mediscan Chodov** – Address : Chodov Šustova 1930 Prague 11 (Metro C line,  
Station Chodov); Phone 267 090 812

**Pharmacies:** Medicine (with or without prescription) can only be purchased at a pharmacy (lékárna). There is a pharmacy near the CULS campus (Bus stop Internacionální, 10 min walk from the campus). You will find several pharmacies in Dejvice, Prague 6 (Vítězné náměstí, Dejvická 31, Na Hutích 13, Jugoslávských partyzánů 20) and there is a 24 h service at pharmacies in downtown Prague (Opletalova - Prague 1; Na Příkopě - Prague 1; Štefánikova - Prague 5.) Pharmacies generally open Mon-Fri 8:00 - 18:00; Sat 8:00 - 13:00.

## 5. SPORTS FACILITIES

CULS Sports Centre provides compulsory as well as optional courses in physical education, including winter and summer courses in the Czech Republic and abroad. Sporting Clubs organise, in co-operation with the Sports Centre, several competition and leisure-sports activities for students, staff, children and general public. There is an indoor 25m swimming pool with an outside beach and sauna, two gyms, a body-building centre, two volleyball courts, a beach-volleyball court, a clay tennis court, an indoor tennis hall, a multi-purpose artificial lawn area, a grass football field, and an athletics track. You may also hire equipment and there is a ski service at one of the dormitories.

You will find out more if you go to [www.sportcentrum.czu.cz](http://www.sportcentrum.czu.cz) or contact the International Relations Office.

## 6. FINANCES

**Currency:** Koruna (plural koruny) or crown, abbreviated Kč (CZK in banks). Each crown is divided into 100 haléř or hellers. Bank notes (100, 200, 500, 1000, 2000, 5000 CZK) bear a forgery-resistant silver strip and several watermarks. Coins in use are 1, 2, 5, 10, 20 and 50 CZK. The Czech crown is fully convertible.

**Current prices:** A meal at the cheapest pub will cost you around CZK 80 drinks not included. At a restaurant you pay 150 to 350 CZK for a complete menu. Drinks cost between CZK 25 and 75. Clothes cost more or less the same as in other EU countries. The price of a ticket to the cinema is from CZK 120 to 150, tickets to a concert cost between 350 and 1 800 CZK, tickets for an opera between 300 and 1 500 CZK. Hotel prices in Prague are relatively high, between 1 700 and 5 000 CZK a night. Renting a private room can also be quite expensive (7 000 - 14 000 CZK a month). The cheapest accommodation for incoming students is at the CULS Halls of Residence.

See <http://spolubydlici.cz/en/>

At several supermarkets in Prague it is also possible to pay in EUR (return money only in CZK)

## 7. TRAVEL

**Public transports:** The public transport system in Prague is very cheap and reliable. For information about schedules consult <http://www.dpp.cz/en/>. You can buy tickets at automatic dispensers for 32 CZK or from the driver (only in buses and with a small surcharge. You must validate the ticket before starting your journey. Tickets are valid for 75 or 90 minutes. Monthly and quarterly (3 months) passes can also be purchased at the CULS Shop (ground floor of the Menza). Upon presenting your ISIC card (see 2.) a monthly pass costs 260 CZK and a 3 months pass costs 720 CZK. For additional information please contact the International Relations Office (at your faculty or at the Rectorate).

**Taxis:** Be careful if you take a taxi in Prague. Taxi drivers in Prague have a reputation of being notoriously dishonest. Avoid hailing a taxi or taking a taxi from a taxi stand. On the other hand telephone taxi companies tend to be honest and reliable. Here are some of them: AAA Radio Taxi: 222 333 222; City Taxi: 233 103 310; Halo Taxi: 244 114 411. When phoning, ask for the price to your destination.

**Bike:** If you plan to bring your mountain bike, that's fine with us (be sure to bring a solid lock with you.) There's plenty of bicycle paths in the countryside around the campus. But travelling by bicycle to or from the city centre is not at all recommendable. Prague is not a bicycle friendly place.

**Travelling outside Prague:** When you travel outside Prague you may use your own car (don't use your car in the city, it's not worth it) or the train, buses or eventually you may fly to your destination.

**Train:** Consult schedules and destinations at [www.idos.cz](http://www.idos.cz). For international information phone: 840 112 113. Eurail Passes for students are popular with students, who plan to visit other places in Europe as well. These passes must be bought in your country of origin. The Main Station is called Hlavní nádraží and you may reach it by Metro C (see public transport).

## 8. STUDENT ASSOCIATIONS

### **BUDDY-Go**

Buddy-go is a student association dedicated to assist international students arriving to CULS Prague. Buddy-go also organises various cultural and sports events.

Visit <http://buddygo.cz> for more information.

### **ELSA**

The Euroleague Student Association (ELSA) is an organisation in which students from each of the ELLS member and partner universities are working together to enhance student mobility as well as stimulate international cooperation and cultural understanding.

More information at <http://www.euroleague-study.org/elsa?&L=1>

### **AIESEC**

AIESEC is the World's largest student-run organization. Active in over 1700 universities across more than 107 countries and territories, our international platform enables young people to explore and develop their leadership potential for them to have a positive impact in society. In partnership with business and higher education, AIESEC has over 60 years of experience in developing high-potential students into globally minded responsible leaders. AIESEC's innovative development process consists of unmatched leadership experiences, international opportunities and a global learning environment. The CULS branch was founded in spring 2001 and has 12 active members.

Visit: [www.aiesec.org](http://www.aiesec.org) <http://www.aiesec.cz/czu/>

### **IAAS**

IAAS International Association of students in Agricultural and related Sciences (IAAS) is an international non-profit and non-governmental student society headquartered in Leuven, Belgium. It was formed to promote the exchange of knowledge and information among students and to improve the mutual understanding between countries and cultures.

Visit: [http://www.iaas.cz/index\\_uk.html](http://www.iaas.cz/index_uk.html)

# ACADEMIC FACILITIES

## 1. STUDY AND INFORMATION CENTRE (SIC)

<http://www.sic.czu.cz/en/>

SIC houses the CULS Central Library and technical facilities, study and lecture rooms and a large Congress Hall, which serves as a venue for scientific conferences and symposiums. During the academic year lectures and courses are regularly held in the Congress Hall. At the ground floor of the SIC building you will find the Central Student Cash Register Office (OPENING HOURS 8:00 – 12:00 & 13:00 – 15:00).

There are ample study facilities with computer equipment on the premises of SIC, providing access to bibliographic databases and to the Internet. The Central University Library, offers more than 100,000 volumes of scientific literature, textbooks and periodicals, which can be borrowed for home study. There is a cumulative catalogue of new acquisitions since 1990 available on line. The SIC has almost 400 titles of scientific journals and periodicals, most of which are available in the reading room. There is also a modern copy centre at your service in the library. SIC additionally supervises a two-shift operation of the computer laboratory at the JIH student dormitories for independent study.

### Contacts:

Head of the library section Ms Helena Cedikova,  
(224 38) 4 013, [cedikova@sic.czu.cz](mailto:cedikova@sic.czu.cz)

### CULS CENTRAL LIBRARY (SIC) <http://www.sic.czu.cz/en/>

Opened Monday to Friday (closed on Saturday and on holidays)

Borrowing and returning books: 8:00 – 12:00 & 13:30 – 15:00

Large study and reading room (with access to internet): 8:00 – 20:00

Small study rooms: 9:00 – 18:00

Periodicals reading room: 8:00 – 12:00 & 13:30 – 15:00

Copy centre (room 236b): 8:00 – 12:00 & 13:30 – 15:00

Student Card centre: 8:00 – 12:00 & 13:30 – 15:00

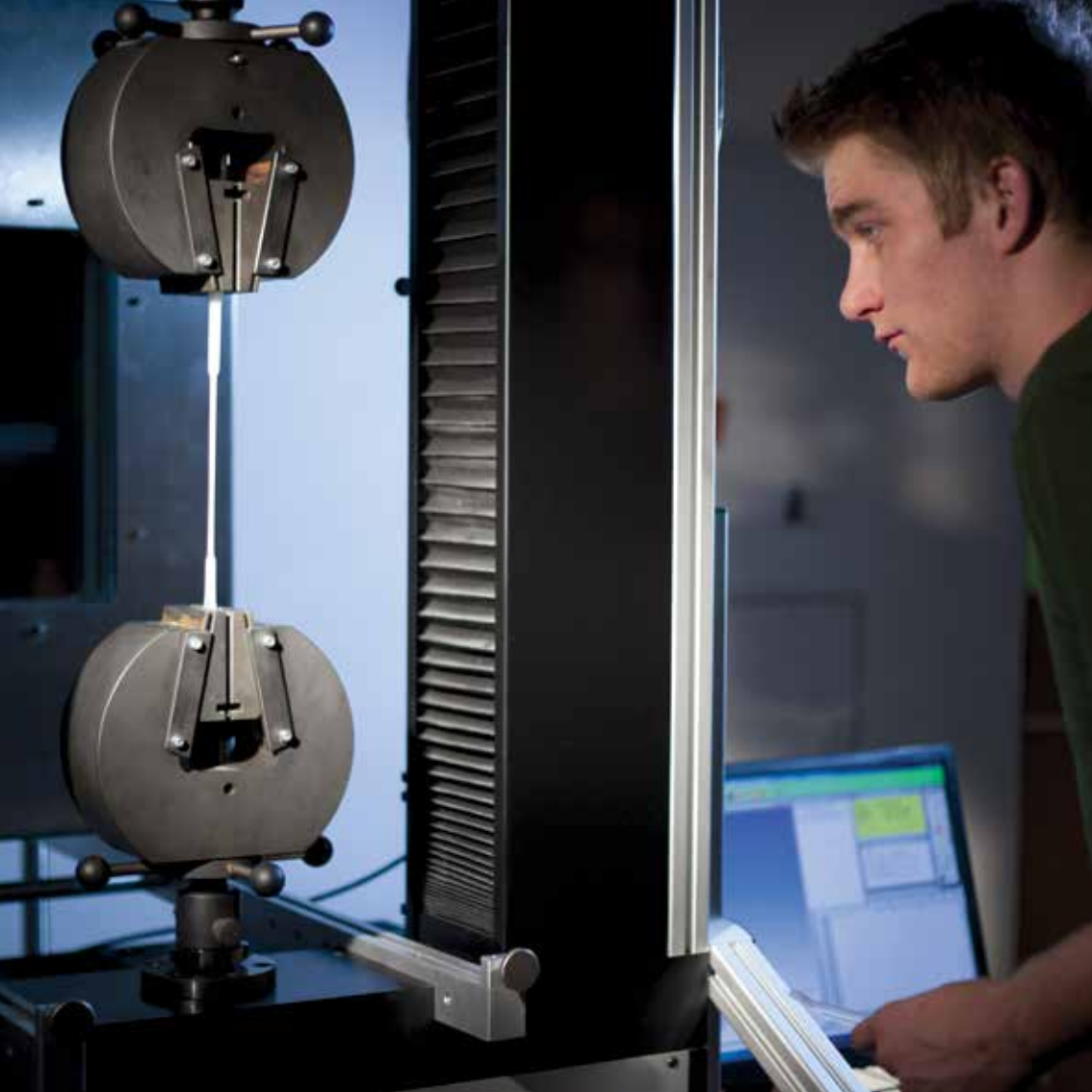
## 2. CULS FARMS & ESTATES

### 1. CULS FORESTRY ESTATE (SLP Kostelec n. C. 1)

The Forestry Estate is situated in Kostelec nad Cernými Lesy, a small township 40 km east of Prague. The Estate comprises about 7 000 hectares of forests, including a large arboretum. Students may stay at the Estate for two to three weeks, after each semester. Accommodation is provided. Contact: <http://www.slp.cz/english.htm>

### 2. CULS FARM ESTATE (SZP Lany)

The Farm Estate is situated in the village of Lany, about 30 km west of Prague. The Estate has nearly 3000 hectares of land. The Farm offers accommodation and teaching facilities for students from all faculties. It is used for experience and training as well as research. Classes are held in groups with teachers from the main campus. A number of students use the farm for work connected with their diploma or dissertation Thesis. Contact: <http://www.lany.czu.cz/?lang=en>





# IMPORTANT CONTACTS

## Postal address:

CESKA ZEMEDELSKA UNIVERZITA V PRAZE  
CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE  
KAMYCKÁ 129, PRAHA - SUCHDOL  
165 21 CZECH REPUBLIC

## CULS web pages:

[www.czu.cz/en](http://www.czu.cz/en)  
<http://is.czu.cz/>

## 1. CENTRAL ADMINISTRATION OFFICES

### CULS INTERNATIONAL RELATIONS OFFICE

CULS Vice Rector for International Relations and 1st Vice Rector

**Associate Professor Dr. Michal Lostak, PhD**

Phone: +420 224 382 311 E-mail: [lostak@pef.czu.cz](mailto:lostak@pef.czu.cz)

### Head of CULS IRO

Contact Person Euroleague for Life Sciences (ELLS)

Contact person ERASMUS Mundus IAMONET-UR

**Bc. Jaromír Nemeč**

Phone: +420 224 382 072, +420 234 381 830

Fax: +420 234 381 817

E-mail: [nemecjaromir@rektorat.czu.cz](mailto:nemecjaromir@rektorat.czu.cz)

### Deputy Head of CULS IRO

ERASMUS+ Institutional Coordinator

ERASMUS+ Outgoing Students Coordinator

**Ing. Martina Vilimovska**

Phone: +420 224 382 071

Fax: +420 234 382 070

E-mail: [vilimovska@rektorat.czu.cz](mailto:vilimovska@rektorat.czu.cz)

ERASMUS+ Incoming Students Coordinator

**Ing. Jitka Malatakova**

Phone: +420 224 383 351

Mobile: +420 775 976 557

Fax: +420 234 382 070

E-mail: [malatakova@rektorat.czu.cz](mailto:malatakova@rektorat.czu.cz)

### ERASMUS+ Outgoing Staff and Teacher Mobility

Contact person ICA (Secretariat)

**Ing. Dana Vylupkova**

Phone: +420 224 384 080;

Fax: +420 234 381 817 E-mail: [vylypkova@rektorat.czu.cz](mailto:vylypkova@rektorat.czu.cz)

### CULS CENTRAL STUDY ADMINISTRATION OFFICE

**Ing. Marika Cerna**

Head of CULS Study Administration Office

Phone: +420 224 384 070

E-mail: [cerna@rektorat.czu.cz](mailto:cerna@rektorat.czu.cz)

### CULS SCIENCE AND RESEARCH

ADMINISTRATION OFFICE

**Ing. Ladislava Prazova**

Phone: +420 224 382 074

E-mail: [prazova@rektorat.czu.cz](mailto:prazova@rektorat.czu.cz)

### CULS INFORMATION TECHNOLOGY

ADMINISTRATION OFFICE

**Ing. Helena Ziegelheimova**

Phone: +420 224 382 073

E-mail: [ziegelhe@rektorat.czu.cz](mailto:ziegelhe@rektorat.czu.cz)

**CULS WEBMASTER**

**Director: Ing. Petr Štěpán**  
 Phone: +420 224 386 335  
 E-mail: pstepan@oikt.czu.cz

**CULS COMMUNICATION OFFICE**

**Mgr. Josef Beranek**  
 Phone: +420 224 384 048  
 E-mail: beranek@rektorat.czu.cz

## 2. INTERNATIONAL RELATION OFFICES AT FACULTIES AND INSTITUTES

**Faculty of Agrobiolgy, Food and Natural Resources**

Vice Dean for International Relations:  
**Prof. Ing. Josef Soukup, CSc.**  
 Phone: +420 224 382 780  
 E-mail: soukup@af.czu.cz

**ERASMUS Coordinator**

**Mgr. Marie Kafková**  
 Phone: +420 224 384 577  
 E-mail: kafkova@af.czu.cz

**Faculty of Economics and Management  
 International Relations Office**

Vice Dean for International Relations:  
**Associate Professor Dr. Karel Tomsik, PhD**  
 Phone: +420 224 382 297  
 E-mail: tomsik@pef.czu.cz

**ERASMUS Coordinator and Director of Study programmes  
 in English:**

**PhDr. Vlastimil Černý, CSc., MA**  
 Phone: +420 224 382 323  
 E-mail: cerny@pef.czu.cz

**Faculty of Forestry and Wood**

**Sciences – International Relations Office**  
 Vice Dean for International Relations:  
**Prof. Ing. Ludek Sisak, CSc.**  
 Phone: +420 224 233 705  
 E-mail: sisak@fld.czu.cz

**ERASMUS Coordinator**

**Ing. Katerina Navratilova**  
 Phone: +420 224 384 871, Fax: +420 234 381 822  
 E-mail: navratilova@fld.czu.cz

**Faculty of Environmental Sciences**

**Vice Dean for International Relations:**  
**Ing. Kristina Janeckova, Ph.D.**  
 Phone: +420 224 383 766,  
 Fax: +420 224 383 657  
 E-mail: internationaloffice@fzp.czu.cz  
 janeckovak@fzp.czu.cz

**Head of International Relations Office**

**Dr. Peter Kumble**  
 Phone: +420 224 382 144  
 E-mail: kumblep@fzp.czu.cz

**ERASMUS Coordinator**

**Ing. Helena Michalkova**  
 Phone: +420 224 382 147,  
 Fax: +420 224 381 854  
 E-mail: internationaloffice@fzp.czu.cz

**Faculty of Engineering**

**Vice Dean for International Relations:**  
**Assoc. Prof. David Herak**  
 Phone: +420/ 224 383 326  
 E-mail: herak@tf.czu.cz

**ERASMUS Coordinator**

**Lucie Mareckova**  
 Phone: +420 224 383 212  
 E-mail: mareckoval@tf.czu.cz

**Faculty of Tropical AgriSciences**

**International Relations Office**  
**Ing. Petra Chaloupkova, PhD**  
 Phone: +420 224 383 404, Fax: +420 234 381 829  
 E-mail: chaloupkova@its.czu.cz  
**ERASMUS Coordinator**  
**Ing. Jana Hummelova**  
 Direct line: +420 22438 2517

# PRAGUE

## AT THE CROSSROADS OF CULTURES

Prague, the capital of the Czech Republic, has been an important centre of culture and learning for over a thousand years. Its first university was established as early as 1348. It was the first university of its kind in central Europe. Famous European scholars of the late Renaissance, such as astronomers Tycho Brahe and Johannes Kepler, lived and worked in Prague. Throughout the 17th, 18th and 19th centuries many scholars and scientists of world renown held chairs at Prague's Charles University. In the late 19th and early 20th century Ernst Mach and Albert Einstein held chairs in the Department of Theoretical Physics at the German University of Prague. French, German and particularly Italian architects, sculptors and garden designers, have given Prague a unique cosmopolitan flair. The Old Town, Charles Bridge, the Small Quarter, Prague Castle, all these masterpieces of late Gothic, Renaissance and Baroque architecture have been carefully maintained and protected by successive generations of rulers and monarchs, keeping the historical centre of Prague virtually untouched and perfectly preserved. UNESCO has listed Prague's historical centre as one of the cultural heritages of mankind. Apart from being an attractive tourist destination, a centre of arts and culture, Prague is also a prominent centre for higher education. At a crossroad between East, West, North and South, it is the ideal destination for anyone, who wishes to be part of a truly global experience.

**For further information about Prague please consult [www.praha.eu](http://www.praha.eu)**

# CZECH REPUBLIC

## BASIC INFORMATION

The Czech Republic is situated approximately in the geographical centre of Europe and has an area of 78,866 sq. km. It is a landlocked country 326 km from the Baltic and 822 km from Adriatic sea. It shares borders with Germany (810 km), Poland (762 km), Austria (466 km) and Slovakia (265 km). The highest point of elevation is the peak of Mt. Snezka (1,602 m above the sea level) and the lowest point of elevation is near Hrensko where the River Labe leaves the Czech territory (117 m above the sea level). The Czech Republic is divided into 14 regions. The metropolitan region of Prague is by far the most developed. It belongs to the most developed regions within the EU. GDP per capita in Prague is markedly higher than in other regions. In 2003 the average GDP per capita (in current prices) in Prague was 226% of the average for the whole country. Of all of the regions of the new EU member states only Prague is clearly above the EU average, as far as the GDP and Purchasing Power Standard are concerned. Some sites in the Czech Republic listed in UNESCO'S World Heritage Fund: Prague, Kutna Hora, Český Krumlov, Telc, Lednice-Valtice area, Zelena Hora Church of St. John Nepomuk, Castle and gardens of Kromeriz, Holasovice, Litomysl castle, Holy Trinity Column in Olomouc, Tugendhat Villa in Brno, The Jewish Quarter and St Procopius' Basilica in Trebic.

Total Population (Census 2004): 10,221,000

Urban Population (Census 2004): Praha (1,171,000), Brno (368,000), Ostrava (311,000), Plzeň (163,000), Olomouc 101,000), Liberec (97,000), České Budějovice (95,000), Hradec Králové (95,000), Ústí nad Labem (94,000), Pardubice (88,000)



## SHORT HISTORY OF THE CZECH LANDS

**End of the 5th and beginning of the 6th century** - arrival of Slavs in present-day Bohemia, Moravia and Slovakia

**Second half of the 9th century** - arrival of first Christian missionaries

**9th century until 1306** - a gradual strengthening of the Czech state during the reign of the Premyslid dynasty

**1346-1378** - the peak in the prestige and power of the kingdom of Bohemia during the reign of Charles IV.

**Beginning of the 15th Century** – Hussite reforms movement

**1526** – Habsburg dynasty succeeds to the throne of Bohemia – the formation of a multinational empire

**1620** – Defeat of the Bohemian Estates at the Battle of the White Mountain, continued centralization of the Habsburg Empire.

**1918** – foundation of an independent state of Czechs and Slovaks (Czechoslovakia)

**1948** – Communist takeover

August 1968 – Soviet led invasion of Czechoslovakia by Warsaw Pact countries brings an end to the „Prague Spring“ and the Communist Party’s attempt to build „Socialism with a human face“

**1989** – fall of the Communist regime

**1993** – Czech Republic founded after Czechoslovakia is divided into the Czech Republic and the Slovak Republic

Czech flag



Official Seal



# STUDY PROGRAMMES

## TAUGHT IN ENGLISH

### ACADEMIC YEAR 2015 – 2016

#### **BSc Programmes**

1. BSc Sustainable Use of Natural Resources
2. BSc Agriculture and Food
3. BSc Agricultural Engineering NEW
4. BSc Economics and Management
5. BSc Business Administration
6. BSc Informatics
7. BSc Game Management
8. BSc Forestry

#### **MSc Programmes**

1. MSc Economics and Management
2. MSc Informatics
3. MSc European Agrarian Diplomacy
4. MSc Business Administration
5. MSc Natural Resources and Environment
6. MSc Natural Resources Management and Ecological Engineering
7. MSc Sustainable Agriculture and Food Security
8. MSc Forestry, Water and Landscape Management
9. MSc Forest Engineering
10. MSc Land and Water Management
11. MSc Environmental Modelling
12. MSc Nature Conservation
13. MSc Landscape Planning
14. MSc Environmental Geosciences NEW
15. Technology and Environmental Engineering
16. MSc Sustainable Rural Development in Tropics and Subtropics
17. MSc Tropical Forestry and Agroforestry
18. MSc Animal and Food Sciences in Tropics and Subtropics
19. MSc Wildlife Management in Tropics and Subtropics
20. MSc Tropical Crop Management and Ecology
21. MSc International Development and Agricultural Economics

## 1. Bachelor in SUSTAINABLE USE OF NATURAL RESOURCES (SUNR)

Sustainability is a core issue in our modern world. The bachelor programme “Sustainable Use of Natural Resources” has been designed to meet the needs of students, at undergraduate level, to acquire comprehensive and relevant education in the sphere of sustainability. The study programme delivers both theoretical and practical knowledge of the various aspects of natural resources management and comprises compulsory, compulsory–optional as well as fully optional subjects, in which students acquire basic scientific knowledge about soil, water, atmosphere, plants and animals. Subjects include mathematics, statistics, physics, chemistry, geology, zoology and botany. These theoretical subjects are interlinked with practical subjects, such as pedology (soil studies), meteorology (studies of the atmosphere and the weather), hydrology and hydrogeology (studies of water and its relationship with soil), landscape architecture, grass management, gardening, forestry, genetics, cartography, environmental economy and the EU integration process. Studies are completed by the defence of a BSc Thesis and a Bachelor State Exam. Graduates are well prepared for further studies in the MSc programme “Natural Resources and Environment”. Erasmus exchange students at BSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students’ coordinator ([malatakova@rektorat.cz](mailto:malatakova@rektorat.cz)).

**Programme organisation:** Faculty of Agrobiolgy, Food and Natural Resources

[www.af.czu.cz](http://www.af.czu.cz)

**Programme duration:** 3 academic years (180 ECTS)

**Programme director:** Prof. Ing. Svatopluk Matula, CSc., E-mail: [matula@af.czu.cz](mailto:matula@af.czu.cz)

**ERASMUS & Exchange students coordinator:**

Mgr. Marie Kafková

Phone: +420 224 384 577

Fax: +420 234 381 801

E-mail: [kafkova@af.czu.cz](mailto:kafkova@af.czu.cz)



## Syllabus BSc Sustainable Use of Natural Resources (Programme Code B4147)

Winter semester  
Summer semester

Code	Year of study / Subject	ECTS
	<b>1<sup>st</sup> year</b>	
TAA11E	Applied Mathematics	5
TBA03E	Applied Physics	6
AEA01E	Zoology	6
ACA09E	Inorganic and Analytical Chemistry	6
APA35E	Fundamentals of Geology	5
	Foreign Language	2
RTX16Z	Sports	2
ACA07E	Organic Chemistry	6
AEA32E	Principles of Agroecology	4
ABA14E	General and Special Agricultural Botany	6
AWA49Z	Practice (7 days)	3
	Foreign Language	3
AEA29E	Excursion, field training (2 days)	2
RTX17Z	Sports	2
	<b>2<sup>nd</sup> year</b>	
APA38E	Soil Science	6
AMA11E	Fundamentals of Microbiology	6
EEA14E	Fundamentals of Economics I	5
AAA27E	Agricultural Systems	5
AAA25E	Basic Meteorology	6
ARA31E	Plant Production and Environment	6
ASA22E	Animal Production and Environment	6
	Compulsory optional subject I <sup>*</sup>	
	Compulsory optional subject I <sup>*</sup>	
AUA10Z	Practical Encyclopedia (10 days)	4
AUA26Z	Specialised Practice (25 days)	4
AWA26Z	Practical Bachelor Training (5 days)	5
AWA26Z	Bachelor Thesis	0/5

<sup>\*</sup>) chosen subjects from list of Compulsory optional subjects I

<sup>\*\*</sup>) chosen subjects from list of Compulsory optional subjects II or other subjects taught in English at the University.

Subject Code	Subject Name	ECTS
<b>Compulsory optional subjects I</b>		
APA37E	Applied Cartography	6
ATA23E	Fundamentals of Turf and Lawn Management	5
AZA66E	Fundamentals of Landscape Architecture	4
LHX01E	Fundamentals of Forest Management	4
ATA23E	Fundamentals of Turf and Lawn Management	5
AZA66E	Fundamentals of Landscape Architecture	4
3rd year		
AIA07E	Hydrology and Hydrogeology	6
AIA07Z	Excursion	1
AZA67E	Fundamentals of Orchards and Urban Design	6
AHA33E	Waste Handling	6
AZA68E	Establishment and Maintenance of Greenery	5
BSc Thesis		
<b>Compulsory optional subjects II*)</b>		
Fully Optional subject (**)		
AHA30Z	Excursion and Field Training (2 days)	2
Fully optional subject (**)		
AWA27Z	BSc Thesis	5
<b>Compulsory optional subjects II</b>		
AGA44E	Fundamentals of Genetics	6
EEE43E	EU Integration Process in Agriculture	5
EUA03E	Trade and Commerce	5
ERA16E	Management and Marketing	5
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4
AGA44E	Fundamentals of Genetics	6
EEA16E	Environmental Economics	5

## Subjects of BSc State Examination (SE)

Subject of the SE	Subjects of the corridor
Crop and Soil Management	Basic Meteorology
	Soil Science
	Fundamentals of Microbiology
	Hydrology and Hydrogeology
	Fundamentals of Orchards and Urban Design
Animal Husbandry and Production	Plant Production and Environment
	Animal Production and Environment
Defence of the Bachelor Thesis	Waste Handling

## 2. Bachelor in AGRICULTURE AND FOOD

The BSc study programme Agriculture and Food represents the first level of university studies. The concept of the programme allows scientific understanding of biological principles in agriculture, orientation in current agricultural technology and basic knowledge of the quality and processing of agricultural products and food. The first half of the studies is focused on applied sciences and relationships between environment and agricultural practices, in both crop and animal production. In the second part of the study programme, students are encouraged to use their developing knowledge and skills to identify practical problems in the production systems, to meet the production quotas, economic and environmental goals, as well as the quality of agricultural products and food safety. Graduates acquire a very comprehensive and wide educational background, which provides good opportunities for finding employment on the labour-market in the area of agriculture and food production and processing, as well as the possibility of running one's own business venture. Erasmus exchange students at BSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz)

**Programme organization:** Faculty of Agrobiology, Food and Natural Resources  
www.af.czu.cz

**Programme duration:** 3 academic years (180 ECTS)

**Programme Director:** Prof. Ing. Josef Soukup, CSc. soukup@af.czu.cz

**Student Affairs:** Marie Kafková kafkova@af.czu.cz ; phone : (+420) 224 384 577

## Syllabus BSc Agriculture and Food (Programme Code B4161)

 Winter semester  
 Summer semester

Code	Year of study / Subject	ECTS
	<b>1<sup>st</sup> year</b>	
AAA25E	Basic Meteorology	6
AEA01E	Zoology	6
ACA09E	Inorganic and Analytical Chemistry	6
AIA17E	Fundamentals of Geology and Hydrogeology	6
AMA11E	Fundamentals of Microbiology	6
	Foreign Language	2
RTX17Z	Sports	2
ACA07E	Organic Chemistry	6
AAA29E	Fundamentals of Agroecology	4
ABA14E	General and Special Agricultural Botany	6
TFA03E	Agricultural Machinery	6
AWA49Z	Practical Training	3
AIA17Z	Excursions, Field Training	1
	Foreign Language	3
RTX16Z	Sports	2
	<b>2<sup>nd</sup> year</b>	
APA38E	Soil Science	6
AVA42E	Biological Principles of Livestock Breeding	6
EEA17E	Business Economics	5
AAA27E	Agricultural Systems	5
AOA28E	Fundamentals of Plant Protection	5
AHA38E	Plant Nutrition	6
ARA31E	Plant Production and Environment	6
AKA30E	Animal Nutrition	6
AGA44E	Fundamentals of Genetics	6
AUA10Z	Encyclopaedia of Agricultural Practices	4
AUA26Z	Specialized Practice	6
	<b>3<sup>rd</sup> year</b>	
ALA30E	Animal Husbandry and Ethology	6
AZA09E	Horticulture	6

Subject Code	Year of study / Subject	ECTS
ARA45E	Field Crop Technology	6
	Compulsory Optional Subject *)	
	Compulsory Optional Subject *)	
AQA31E	Quality and Processing of Animal Products	6
ASA46E	Livestock Production	6
AQA32E	Quality and Processing of Plant Products	6
ATA26E	Forage Crop Production and Pasture Management	6
AWA27Z	BSc. Thesis	5
AHA30Z	Excursion and Field Training	2
	<b>List of compulsory optional subjects</b>	
APA37E	Applied Cartography	6
AZA66E	Fundamentals of Landscape Architecture	4
AZA67E	Fundamentals of Orchards and Urban Design	6
AZA68E	Establishment and Maintenance of Greenery	5
AZA66E	Fundamentals of Landscape Architecture	4
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4
ERA16E	Management and Marketing	5

\*) chosen subjects from list of Compulsory optional subjects

### Subjects of BSc State Examination (SE)

Subject of the SE	Subjects of the corridor
Crop and Soil Management	Agricultural Systems Field Crop Technology Quality and Processing of Plant Products
Animal Husbandry and Production	Animal Husbandry and Ethology Livestock Production Quality and Processing of Animal Products
Defense of the Bachelor Thesis	

NEW

### 3. Bachelor in AGRICULTURAL ENGINEERING

Agricultural Engineering (AE) is a three year bachelor study program taught in English. The first two years of studies provide a theoretical basis in agricultural technology which enables students to undertake further studies in technical and biological sciences. The last year of studies is focused on the practical application of theoretical knowledge. The selection of undergraduate thesis allows students to specialize in a specific area of interest such as biological systems engineering. Graduates of the Agricultural Engineering study programme are qualified to solve projects related to agricultural engineering by applying modern technological systems.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz).

**Programme organization:** Faculty of Engineering (FE) [www.tf.czu.cz](http://www.tf.czu.cz)

**Programme duration:** 3 academic years (180 ECTS)

**Programme Director:** prof. Dr. Ing. František Kumhála;

**E-mail:** [kumhala@tf.czu.cz](mailto:kumhala@tf.czu.cz)

**Student Affairs:**

Lucie Marečková, E-mail: [mareckova@tf.czu.cz](mailto:mareckova@tf.czu.cz)

**Phone:** +420 224 383 212

## Syllabus BSc in Agricultural Engineering (Programme code B 4101)

 Winter semester  
 Summer semester

Code	Subject Name	ECTS
	<b>1<sup>st</sup> year</b>	
	Foreign language I	2
AHA29E	Agricultural systems I	5
ACT02E	Chemistry	5
TAT01E	Mathematics I	7
TGTXXE	Informatics	4
TCT09E	Introduction to the engineering visualisation	5
RTX17Z	Sports	1
	Foreign language I	3
TBT01E	Engineering Physics	6
TAT02E	Mathematics II	6
TDT02E	Material Science	5
ALE025E	Agricultural systems II	5
TAT04E	Engineering statistics	3
RTX16Z	Sports	1
TFT22Z	Practical training	2
	<b>2<sup>nd</sup> year</b>	
AWX01E	Czech language and culture	3
THT13E	Electrical Engineering	5
TCT11E	Introduction to the engineering work	3
TCT14E	Engineering mechanics	5
TCT03E	Strength of materials	5
TDT11E	Manufacturing technology	5
TCT17E	Fluid mechanics	4
AWX01E	Czech language and culture	3
TCT16E	Theory of machines	4
ACT01E	Fuels and lubricants	4
TFT23E	Machinery for plant production	5
TBT05E	Agromaterials	6
TBT10E	Renewable energy sources	4
TCT19Z	Energetical engines	4

Subject Code	Subject Name	ECTS
	3 <sup>rd</sup> year	
ENE41E	General Economics I.	5
TET22E	Tractors and transportation equipments	5
APA38E	Soil science	5
TCT21E	Biosystems engineering	5
TGT21E	Machinery for animal production	5
TGX06E	Food engineering	5
TZT07Z	Bachelor thesis preparation	2
TJX02E	Quality, dependability and renewal of machines	5
TIT01E	Production system management	5
TFX29E	Precision farming	4
TFT09E	Processing of particular substances	6
TCT09Z	Bachelor thesis preparation	8



## 4. Bachelor in ECONOMICS AND MANAGEMENT

The BSc study programme Economics and Management is designed for prospective students desiring to acquire undergraduate university education as economists and managers in an English speaking environment. Graduates of this programme will acquire standard theoretical knowledge in the areas of general economics and management theory, as well as in agricultural economics, enterprise economics, finance, financing, accounting and management. They will learn to understand concepts and methods that correspond with job requirements for executive positions in production, services, commerce, public administration, finance and insurance sectors. They will also acquire basic knowledge of the fundamentals of law, fundamentals of statistics, operation research and informatics. Their knowledge will be enhanced with the fundamentals of animal production, fundamentals of psychology, political science, sociology and philosophy. Graduates will be qualified for employment at various posts in management, trade, accountancy, banking, in private firms and state institutions. The diverse nature of agribusiness sector also provides many career opportunities. Graduates are well prepared for the follow up MSc programme “Economics and Management”. Erasmus exchange students at BSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz )

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 3 academic years (180 ECTS)

**Programme director:** PhDr. Vlastimil Černý, CSc., MA

**E-mail:** [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme administrator:** Ing. Iva Pintova

**Tel./fax:** +420.234381804 or tel.:+420.224382314

**E-mail:** [pintova@pef.czu.cz](mailto:pintova@pef.czu.cz)

**ERASMUS & Exchange students' coordinator:** Ing. Daniel Dědina

**Tel:** +420 224 382 323

**E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)

## Syllabus BSc in Economics and Management (Programme code B6208)

 Winter semester  
 Summer semester

Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
EAE59E	Mathematics	5
EHE06E	Politics	5
AHA29E	Agricultural Systems I	5
EPEC6E	Psychology	5
ETE26E	Informatics	5
EXE31Z	Introduction to Study	1
ELX67Z	English for Academic Purposes	2
RTX17Z	Sports	2
EAE60E	Mathematical Methods for Economics	5
ESE51E	Mathematical Methods for Statistics	5
ALE02E	Agricultural Systems II	5
EHEA7E	Science, Philosophy and Society	5
ETE4AE	Information Technologies	5
ELX69E	English for Business	2
RTX16Z	Sports	2
<b>2<sup>nd</sup> year</b>		
ENE45E	Microeconomics	5
EEEB5E	Empirical Research in Economics	5
ESE49E	Statistics I	5
EEER2E	Economics of Agrarian Sector	5
EHEA6E	Qualitative Methods	5
ELE34E	Foreign Language French	2
ELE35E	Foreign Language German	2
ELE36E	Foreign Language Spanish	2
ELE37E	Foreign Language Czech	2
ENE46E	Macroeconomics	5
ESE50E	Statistics II	5
EUE50E	Trade and Commerce	5
ERET7E	Theory of Management	5

Code	Subject Name	ECTS
ENE38E	Financial Economics	5
ELE34E	Foreign Language French	3
ELE35E	Foreign Language German	3
ELE36E	Foreign Language Spanish	3
ELE37E	Foreign Language Czech	3
EXE24Z	Bachelor Thesis	5
3rd year		
ETE49E	Information Systems	5
EEED2E	Enterprise Economics	5
ERET6E	Human Resources Management	5
ERET5E	Marketing Management	5
EEEB2E	Environmental Economics – Optional Subject	5
EREE1E	Natural Resources Management – Optional Subject	5
EXE24Z	Bachelor Thesis	5
EHE01E	Rural Sociology	5
EUE51E	Theory of Accounting	5
EJE33E	Fundamentals of Law	5
EXE14Z	Bachelor thesis	10
EXE13Z	BSc Internship	5

### Admission regulations:

Applicants enrolling as degree students are expected to pay an Administration study fee amounting to 15 000 CZK per academic year.

## 5. Bachelor in BUSINESS ADMINISTRATION

The BSc study programme of Business Administration is designed for prospective students desiring to acquire undergraduate university education in an English speaking environment. Graduates of this programme will have acquired standard theoretical knowledge in the areas of general economics and management theory, as well as in commercial and civil law, accounting, psychology and ethics in business, politics, business economics, investment and financing.

The study programme prepares students for a career in business activities where they can apply their training in economics and management. Graduates will be qualified for employment at various posts in management, trade, accountancy, banking, in private firms and state institutions. They will be well versed in market environment and in the administration and management of all types of business. Graduates are well qualified to work both at home and abroad in local and regional government administration or organisations, as well as in private enterprise.

They will learn to understand concepts and methods that correspond with job requirements for positions in administration, management, commerce and marketing. The diverse nature of agribusiness sector also provides many career opportunities. Graduates can progress the follow up MSc programmes.

The study programme is taught entirely in English. Faculty of Economics of CULS Prague cooperates with leading European universities, such as University College Cork, Wageningen University, Newcastle University, Humboldt University in Berlin, the University of Plymouth, the University of Malaya Kuala Lumpur, ISCTE Business School, the University of Guelph, the University of Missouri, Chonnam National University and others. Foreign lecturers from partner universities are involved in organizing and teaching in this programme.

## **Admission regulations:**

Applicants enrolling as degree students are expected to pay an Administration study fee amounting to 15 000 CZK per academic year.

Electronic application for degree students of this study programme is available at <http://prijimacky.czu.cz/>. Signed application forms must be submitted together with confirmation of payment to the Study Office (Students who have completed secondary education in the Czech Republic or students who have finished nostrification) or International Relations Office (International Students applying to Lifelong Learning Programme - students without completed nostrification) before 31. March 2015

ERASMUS exchange students at BSc level can enrol for one or two semesters of studies and do not pay the above mentioned Administration study fee. ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator ([malatakova@rektorat.czu.cz](mailto:malatakova@rektorat.czu.cz))

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 3 years (180 ECTS)

**Programme Director:** PhDr. Vlastimil Černý, CSc., MA; **E-mail:** [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme administration:** Ing. Jana Melezinkova

**Tel./fax:** +420.234 382 061

**E-mail:** [melezinkova@pef.czu.cz](mailto:melezinkova@pef.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Daniel Dědina

**Tel:** +420 224 382 323

**E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)

## Syllabus BSc Business Administration (Programme code B6202)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
EAE68E	Mathematics	5
EHEA7E	Science, Philosophy and Society	5
AHA29E	Agricultural Systems I	5
ETEB3E	Information and Communication Technologies	5
EJE41E	Essentials of Juridical Sciences	5
EXE31Z	Introduction to Study	1
ELX67Z	English for Academic Purposes	2
RTX06Z	Sports	2
EAED8E	Mathematical Methods for Economics I	5
EPEC9E	Psychology of Personality and Communication	5
ALE02E	Agricultural Systems II	5
ETE4BE	Internet Technologies	5
EJE42E	Commercial and Civil Law	5
ELX69E	English for Business Purposes	3
RTX09Z	Sports	2
<b>2<sup>nd</sup> year</b>		
EAE70E	Mathematical Methods for Economics II	5
ENE49E	Economics I	5
ESE53E	Statistics I	5
EUEB1E	Accounting Theory	5
EAED9E	Planning and Project Management	5
See below	Foreign Language	2
EHEA0E	Political Science	5
ENE50E	Economics II	5
ESE54E	Statistics II	5
EUEB2E	Accounting for Entrepreneurs	5
ETE8AE	E-Commerce and Business	5
See below	Foreign Language	3
EXE23Z	Bachelor Thesis I	5

Subject Code	Subject Name	ECTS
	3 <sup>rd</sup> year	
(**)	Psychology and Ethics in Business	5
(**)	Management Skills	5
(**)	Agrarian Sector Economics	5
(**)	Theory of Trade	5
(**)	Investment and Long Term Financing	5
EXE24Z	Bachelor Thesis II	5
(**)	Business Economics	5
(**)	Management Theory	5
(**)	Information Systems	5
EXE14Z	Bachelor Thesis III	10
EXE13Z	BSc internship	5
Code	Foreign language	ECTS
ELE34E	French language	See above
ELE35E	German language	See above
ELE36E	Spanish language	See above
ELE37E	Czech language for foreigners	See above

(\*\*) Subject codes to be determined

## 6. Bachelor in INFORMATICS

Information technology has become an integral part of modern life. There is an ever increasing demand for qualified IT specialists for enterprises, public and private administration and government agencies. The BSc programme “Informatics” gives prospective students a unique chance of acquiring undergraduate university education and corresponding professional skills for employment in the IT sector. Graduates of this programme are well prepared for more advanced studies in the MSc study programme “System Engineering and Informatics”. LLP Erasmus exchange students at BSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students’ coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

Admission regulations for degree students: Applicants enrolling as degree students are expected to pay an administration study fee of 10 000 CZK per academic year.

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 3 academic years (180 ECTS)

**Programme director:** PhDr. Vlastimil Černý, CSc, MA:

**E-mail:** [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme administrator:** Ing. Martin Kozák,

**Tel:** +420 234 382 314

**E-mail:** [kozakm@pef.czu.cz](mailto:kozakm@pef.czu.cz)

**ERASMUS & Exchange students’ coordinator:**

Ing. Daniel Dědina

**Tel:** +420 224 382 323

**E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)



Subject Code	Subject Name	ECTS
	<b>1<sup>st</sup> year</b>	
EIE55E	Introduction to Principles of Computers	5
ETEA1E	Algorithm Development	5
EREP8E	Management Theory	5
EAE55E	Mathematical Logic and Graphs	5
EJE37E	Fundamentals of Juridical Sciences	5
EXE31Z	Introduction to Studies	1
ELE33Z	English for IT	2
RTE01Z	Physical Training (Sports)	2
EIE56E	Computer Architecture	5
ETEA2E	Programming	5
EIE95E	Object Modelling	5
EAE57E	Mathematics	5
EPEC3E	Psychology of Personality and Social Psychology	5
ELE33Z	English for IT	3
RTE01Z	Physical Training (Sports)	2
	<b>2<sup>nd</sup> year</b>	
EIE36E	Database Systems	5
ENE41E	General Economics	5
EIE67E	Component-based SW Development	5
EAE56E	Applied Mathematics for IT	5
	Optional Subjects 1.	5
ELE34E	Foreign Language French	2
ELE35E	Foreign Language German	2
ELE36E	Foreign Language Spanish	2
ELE37E	Foreign Language Czech	2
ETE2AE	Operating Systems and Computer Networks	5
ETE1AE	Markup Languages	5
ESE48E	Statistics	5
EAE58E	Operations Research and Systems Analysis	5

Subject Code	Subject Name	ECTS
	Optional Subjects 2.	5
ELE34E	Foreign Language French	3
ELE35E	Foreign Language German	3
ELE36E	Foreign Language Spanish	3
ELE37E	Foreign Language Czech	3
	Bachelor Thesis	5
	3 <sup>rd</sup> year Syllabus preview	
EIE69E	UNIX Operating Systems	5
ETE3AE	Web Design	5
EEEI2E	Economics for Entrepreneurs	5
EUE42E	Fundamentals of Accounting	5
	Optional Subject 3.	5
	Bachelor Thesis	5
EIEA3E	Software Engineering	5
EAE61E	Project Management Methods	5
ESE52E	Statistical Software Systems	5
	Bachelor Thesis	

	Optional Subjects	ECTS
EIE70E	Optional Subjects 1.	See above
EAE56E	A) Human – computer Interaction	
ETE5AE	B) Administration and Processing of Geographic Data	
ETE5AE	Optional Subjects 2.	See above
	A) e-government	
ETB4E	B) Enterprise Information Systems	
ETE76E	Optional Subjects 3.	See above
ETEB4E	A) Mobile Software Development	
	B) Data Security	

(\*\*) Subject code to be determined

## 7. Bachelor in GAME MANAGEMENT

Game management and hunting have a long tradition in Central Europe. In this specialised BSc study programme students will get acquainted with game management and hunting as a social phenomenon, based on Czech know-how and international experience. Subjects include general ecology, veterinary care of game, care of game and environment, fishery and fishpond management. Students learn the fundamentals of zoology, chemistry, dendrology and biometrics. The acquired knowledge and skills can be applied in socio-economic and natural conditions of various countries, including regions where hunting is restricted to commercial purposes. The programme consists of compulsory and optional subjects. During their studies, students prepare their bachelor thesis in game management and hunting. Graduates must successfully pass all exams and defend their bachelor thesis. Students are trained to apply their acquired theoretical knowledge in practice, taking responsibility of game management in private forestry enterprises, or in national and international forestry and game management institutions. Erasmus exchange students at BSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz).

**Programme organisation:** Faculty of Forestry and Wood Sciences [www.fld.czu.cz](http://www.fld.czu.cz)

**Programme duration:** 3 academic years (180 ECTS)

**Programme director:** Prof. Ing. Jaroslav Červený, CSc.

**E-mail:** [cerveny@fld.czu.cz](mailto:cerveny@fld.czu.cz)

**ERASMUS exchange students' coordinator:** Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

**Phone:** +420 22438 4871

**E-mail:** [navratilova@fld.czu.cz](mailto:navratilova@fld.czu.cz)

## Syllabus BSc in Game Management (Programme code B4132)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
1 <sup>st</sup> year		
LXL32Z	Introduction to study in FFWS	1
LMX02Z	Introduction to Game Management	2
ZBX02Z	Ordering and Evidence of Land Resources	4
ZEX12E	General Ecology	4
LMX03Z	Forest Zoology I.	5
LLX03E	Forest Ecology	5
TAL05E	Mathematics	5
	World Languages	2
RTX17Z	Sports	
LMX02E	Forest Zoology II.	5
ZVX21E	Environmental Chemistry	5
LLL14E	Dendrology	5
LHX05E	Biometrics	5
LHX02Z	Hunting - data processing	3
RTL03Z	Game Management Legislation in European Union	4
(**)	World Languages	3
RTX16Z	Sports	
LMX04Z	Forest Zoology II. – field seminar	1
ZVX07Z	Environmental Chemistry – field seminar	1
LLL14Z	Dendrology – field seminar	1
2 <sup>nd</sup> year		
AEL05E	Fishery and Fishpond Management	4
AVL02E	Veterinary Care of Game	5
LRX09E	Economy of Company FM	5
LMX08Z	Care of Game and Environment	5
(**)	World Languages	2
LXX06Z	Bachelor thesis	1
AVL02Z	Veterinary Care of Game – field seminar	1
AEL05Z	Fishery and Fishpond Management – field seminar	1
LPX07E	Basic of Silviculture	5

Subject Code	Subject Name	ECTS
LLL12E	Phytosociology and Classification of Vegetation	5
LOX10E	Forest Protection (incl. Phytopathology)	8
AEL06E	Apiculture (Bee Keeping)	4
(**)	World Languages	3
RTL03Z	Bachelor Thesis	1
AEL06Z	Apiculture (Bee Keeping) – field seminar	1
LOX09Z	Forest Protection – field seminar	1
<b>Optional subjects</b>		
LTX05Z	Game Structures and Equipments	2
LHX09E	Forest Management I.	5
ARL10E	Basic of Agriculture	2
LHX10E	Forest Mensuration	4
LHX10Z	Forest Mensuration – field seminar	1
ARL10Z	Basic of Agriculture – field seminar	1
LHX07Z	Forest Management – field seminar	1
<b>3<sup>rd</sup> year</b>		
LRX107E	Forest Valuation	4
LRX11E	Economic Aspects of Landscape Management	4
LOL21E	Typology of Hunting Districts and Game Management Planning	4
LMX08E	Hunting Cynology	4
LMX09Z	Hunting	4
LMX09E	Game management	5
LXX08Z	Bachelor Thesis	1
LRX03Z	Forest Valuation – field seminar	1
LMX10E	Marksmanship and Ballistics	5
LMX11E	Control System and Check Methods in Game Management	4
ATL04E	Bases of Grassland and Pasture Management	2
LMX12E	Game Preserves and Pheasantries	3
LXX09Z	Bachelor Thesis	15
LMX10Z	Marksmanship and Ballistics – field seminar	1
LMX11Z	Game Preserves and Pheasantries – field seminar	1
<b>Optional subjects</b>		
LRX05Z	Forest and Agricultural Politics in CR and EU	2
EUL04Z	Accountancy	4

(\*\*) Subject code to be determined

## 8. Bachelor in FORESTRY

The specialised BSc study programme in Forestry is designed for graduates from specialised secondary schools and/or vocational forestry schools who wish to acquire university education in forestry and related sciences. Entrance exams consist of mathematics and English. Subjects include fundamentals of forestry botany, soils sciences, chemistry, dendrology and biometrics, forest protection, ecology and forestry economics. The acquired knowledge and skills can be applied in socio-economic and natural conditions of various countries. The programme consists of compulsory and optional subjects, as well as several 2 – 4 days Field Seminars. During their studies, students prepare their bachelor thesis, with themes selected from a list of recommended areas of specialisation related to forestry. Graduates must successfully pass all exams and acquire the prescribed number of credits per semester. Studies are concluded by a State Examination and the defence of a bachelor thesis. Students are trained to apply their acquired theoretical knowledge in practice, taking responsibility of forestry management in private forestry enterprises, or in national and international forest management institutions. Erasmus exchange students at BSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz)

**Programme organisation:** Faculty of Forestry and Wood Sciences [www.fld.czu.cz](http://www.fld.czu.cz)

**Programme duration:** 3 academic years (180 ECTS)

**Programme director:** Doc.Ing.Jiří Remeš, Ph.D

**E-mail:** [remes@fld.czu.cz](mailto:remes@fld.czu.cz)

**ERASMUS & exchange students' coordinator:** Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

**Phone:** +420 224 384 871, **Fax:** +420 234 381 822

**E-mail:** [navratilova@fld.czu.cz](mailto:navratilova@fld.czu.cz)

## 8. Bachelor in Forestry (Programme code B 4132)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
LXL32Z	Introduction to studies	1
LDX05Z	Physiology and Anatomy for Forestry	5
ZOX04E	Geology	5
TAL05E	Mathematics	5
AAL02E	Basic Meteorology	6
ZOX08Z	* Field Seminar I - Geology	1
(**)	World Languages	2
RTX16Z	Sports	
APL04E	Soil Sciences for Forestry	5
LLL13E	Dendrology	5
LLL10E	Forest Botany	6
ZBX07E	Surveying	4
LMX04E	Zoology	6
(**)	World Languages	3
RTX17Z	Sports	
APL04Z	* Field Seminar II – Soil Sciences for Forestry	1
LLL13Z	* Field Seminar III – Dendrology	1
LLL10Z	* Field Seminar IV – Forestry Botany	1
ZBX08Z	* Field Seminar V – Surveying	2
LMX05Z	* Field Seminar VI – Zoology	1
<b>2<sup>nd</sup> year</b>		
LOX06E	Entomology	6
LHX06E	Biometry	5
LOX07E	GIS in Forestry	5
ZVX22E	Hydraulics	4
LTX03Z	Forestry Mechanisation	3
LMX07E	Wildlife Management	5
LMX06Z	Field Seminar I – Wildlife Management	1
(**)	World Languages	2

Subject Code	Subject Name	ECTS
LLX02E	Forest Ecology	5
LLL11E	Phytosociology and Classification of Communities	5
LTX03E	Forest Harvesting	3
LHX08E	Forestry Mensuration	5
LXX07Z	Bachelor Thesis Preparation	1
(**)	World Languages	2
LLX03Z	* Field Seminar II – Forest Ecology	1
LLL11Z	* Field Seminar III – Phytosociology and Classification of Communities	1
LTX04Z	* Field Seminar IV – Mechanization and Forest Harvesting	2
LHX03Z	*Field Seminar V – Forest Mensuration	1
	3 <sup>rd</sup> year	
LRX08Z	Forestry Economy	5
LZX04E	Wood Sciences	5
LOX06Z	Forest Phytopatology	5
LPX05E	Silviculture I	5
LXX08Z	Bachelor Thesis Preparation	1
LOX09E	Forest Protection I	6
LPX06E	Silviculture II	6
LHX07E	Forest Management I	6
LHX04Z	Forest Wood Production	5
LOX07Z	* Field Seminar I – Forest Protection I	1
LHX05Z	* Field Seminar II – Forest Management I	1
LPX04Z	* Field Seminar III – Silviculture I	1
LPX05Z	* Field Seminar IV – Silviculture II	1
LXX09Z	Bachelor Thesis	15

\* Field Seminars are optional compulsory subjects, which means that students can choose from one of the listed Field Seminars.

(\*\*) Subject code to be determined



## 1. Master in ECONOMICS and MANAGEMENT

The study programme is open for students having BSc degrees in Economics or Business. The most important consideration for applicants is an interest in continued study and intensive research in some area of economics with the minimum of prerequisites for admission to the programme. A strong background in economics and quantitative methods and good command of both written and spoken English are the most important prerequisites for applicants. Graduates are well equipped for national and international positions in the civil service sector, banking, research institutes and international development institutions. They also have good career prospects as managers in business and agribusiness. ERASMUS exchange students at MSc level can enrol for one or two semesters of studies. ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz )

NOTE: The MSc in Economics and Management is a Double Degree (DD) Study Programme with EU partner Universities (Cranfield University UK, Wageningen University NL, Grenoble Business School, Catholic University Lyon, both France). Local degree students have the option to study for a specific time period at CULS and at one of the above mentioned partner universities (generally studies at a partner university last 1 semester or max. 1 academic year) and graduate with 2 university degrees – 1 from CULS Prague and 1 from one of the EU partner universities. DD studies are not open for exchange students, but only for degree students (complete MSc diploma studies). The DD study option is not available for ERASMUS exchange students.

Admission regulations for degree students: Applicants enrolling as degree students are expected to pay an administration study fee of 20 000 CZK per academic year.

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 2 years (120 ECTS)

**Programme director:** PhDr. Vlastimil Černý, CSc., MA

**E-mail:** [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme administrator:** Ing. Oldřich Vylupek, MSc, Ph.D.

**Tel./fax:** +420.234 382 314

**E-mail:** [vylupek@pef.czu.cz](mailto:vylupek@pef.czu.cz) ; [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**ERASMUS & Exchange students' coordinator:** Ing. Daniel Dědina

**Tel:** +420 224 382 323, **E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)

## Syllabus MSc in Economics and Management (Programme code N6208)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
EEE63E	Economics of Industries (Sector Economics)	5
EEE64E	Econometric Modelling (EM)	5
EHEA2E	Methods of Social Research EM	5
ENE24E	Corporate Finance	5
ERE19E	Management EM	5
ETE43E	Computer Science	5
EEEB1E	Economic Policies	5
ERE25E	Human Resource Management EM	5
EXE16Z	Diploma Thesis Work Credit I	5
<b>Compulsory optional subjects</b>		
EAF24E	Decision Support Systems	5
EEE68E	Environmental Economics	5
EHEA3E	Rural Development	5
ELX55E	English for business purposes C 1	5
ELX57E	English for academic purposes C 1	5
ENE26E	General Economics	5
ETE44E	IT for e-business	5
EUE01E	Accounting	5
<b>2<sup>nd</sup> year</b>		
EEEB4E	Diploma Thesis Seminar	5
EXE18Z	Diploma Thesis Work Credit II	5
ENE33E	World Economy	5
EREB2E	Marketing EM	5
EEE46E	Economics of Enterprises (MSc. - EM)	4
EREB4E	Strategic Management EM	4
<b>Compulsory optional subjects</b>		
EEEE1E	EU Integration	5
EEEE2E	Trade Theory and Foreign Trade	5
EIE18Z	Management Information Systems	5
EPE16E	Psychology of Organisation and Behaviour at Work	5

Subject Code	Subject Name	ECTS
ERE32E	Co-operative business EM	5
ESE23E	Statistical Seminar	5
EEEE3E	Quantitative Methods in Macroeconomics	4
EEEE4E	Social Economy	4
EJE21E	Modern Law in the EU	4
ENE34E	International Finance	4
ERE27E	Business Strategy EM	4
ETE45E	Computer Security	5
	Defence of Diploma Thesis	14

## 2. Master in INFORMATICS

The study programme is open for students with a BSc degree in a relevant subject area and for students desiring to acquire advanced knowledge and professional skills in Systems Engineering and Informatics Management. Graduates of this programme are qualified to understand and apply advanced principles of logical and functional programme and have detailed knowledge of object approach to a data flow analysis of user needs analysis and of the object design and implementation of information systems. They understand advanced principles on the basis of enterprise and geographical information systems design, modern methods for internet application design, methods of information tools and data collections quality measurement and are able to evaluate quality on the objective level. Graduates will be well prepared for leading positions in the ICT sector and well equipped for national and international positions in the sectors of banking, commercial enterprises, public administration, research institutes and multinational firms. Erasmus exchange students at MSc level can enrol for one or two semesters. ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz )

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** PhDr. Vlastimil Černý, CSc, MA

**E-mail:** [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme administrator:** Ing. Martin Kozák

**Tel.:** +420 234 381 814 **Fax:** 234 381 804

**E-mail:** [kozakm@pef.czu.cz](mailto:kozakm@pef.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Daniel Dědina

**Tel:** +420 224 382 323

**E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)

## Syllabus MSc in Informatics (Programme code N6209)

 Winter semester  
 Summer semester

Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
EIE27E	Projecting of Information Systems	5
(**)	Theoretical Foundatin of Informatics	5
(**)	Legal Aspects of Informatics Management	5
ESE34E	Statistical Data Analysis	5
ETE50E	Computer Networks	5
(**)	Econometric Modelling for ICT	5
EIE53E	Object and Relational Databases	5
(**)	B: Spatial Data Processing	5
EIE31E	B: Artificial Intelligence	5
ESE35E	A: Statistical Methods of Data Minig	5
ETE40E	A: IS Security	5
EXE18Z	Diploma Thesis Work Credit I	5
(**)	Optional Course	5
<b>2<sup>nd</sup> year</b>		
EAE45E	Logistic Systems	5
EIE32E	Systems Integration	5
EREF8E	Management	5
EIE49E	B: Information Engineering	5
ETE52E	A: Internet Technologies - Client Side	5
EXE18Z	Diploma Thesis Work Credit II	5
	Optional Course	5
EAE24E	B: Decision Support Systems	4
EEEF9E	Prognostic Methods	4
EIE50E	Quality Estimation of IS	4
ETE53E	A: Internet Technologies - Server Side	4
	Optional course	4

**A** Specialisation – Network and internet technologies

**B** Specialisation – Knowledge systems

### 3. Master in EUROPEAN AGRARIAN DIPLOMACY

The MSc study programme European Agrarian Diplomacy is designed for students having a BSc degree in Economics or Business, or other relevant BSc diplomas. It provides students with advanced theoretical and applied knowledge in economics, international relations, foreign policy, management and marketing, law regulations and also provides 3 semesters of French language. Several subjects are taught by guest professors from partner universities in the EU and from Canada. Graduates are well prepared to work at relevant national and international agencies, e.g. Czech Ministry of Foreign Affairs and / or EU Agrarian Diplomacy Commission, etc. The programme includes courses in World Economics and its Institutions, Diplomacy, World Business with Commodities, European Integration, World Agriculture Economy, Foreign Policy and International Relationship, Legal Regulations, Marketing Management and Strategic Management. Erasmus exchange students at MSc level can enrol for one or two semesters. ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz).

#### **Admission regulations:**

Applicants enrolling as degree students pay an administration study fee 20 000 CZK per academic year. Electronic application for degree students of this study programme is available at <http://prijimacky.czu.cz/>. Signed application forms must be submitted together with confirmation of payment to the Study Office (Students who have completed secondary education or bachelor degree in the Czech Republic or students who have finished nostrification) or International Relations Office (International Students applying to Lifelong Learning Programme - students without completed nostrification) before 30. March 2015

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 2 years (120 ECTS)

**Programme Director:** PhDr. Vlastimil Černý, CSc., MA; E-mail: [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme Administrator:** Ing. Jana Melezínková

**Tel./fax:** +420.234 382 061

**E-mail:** [melezinkova@pef.czu.cz](mailto:melezinkova@pef.czu.cz) [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**ERASMUS & Exchange students' coordinator:** Ing. Daniel Dědina

**Tel:** +420 224 382 323 **E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)

## Syllabus MSc European Agrarian Diplomacy (Programme code N6208)

 Winter semester  
 Summer semester

Code	Subject Name	ECTS
	<b>1<sup>st</sup> year</b>	
(**)	World Economy and Agriculture	5
(**)	Business Management	6
EHEA8E	Essentials of Diplomacy	5
ETEA3E	Communication and Information Resources	5
EEE64E	Econometrics	6
EXE31Z	Introduction to study	0
(**)	Agricultural policy	5
(**)	Human Resources Management	5
(**)	World Economics and World Economics Institutions	4
EED08E	Economics of Production and Processing of Agricultural Products	5
EHEA9E	Foreign policy and International Relations	4
(**)	Communication en Francais I	2
EXE16Z	Diploma Thesis work credit	5
	<b>2<sup>nd</sup> year</b>	
(**)	International Economics	5
ERET1E	Marketing Management	5
(**)	European Integration and Agriculture	5
(**)	Strategic Management	4
(**)	Legal Regulation of Integration	4
(**)	Communication en Francais II	2
EXE17Z	Diploma Thesis work credit II	5
(**)	Agribusiness Economics	4
ERER4E	Prognostics and Planning	4
(**)	World Trade in Agricultural Products	4
ERET4E	Regional Development	4
EXE18Z	Diploma Thesis work credit III	10
EXE15Z	Diploma Thesis Practice	4

## 4. Master in BUSINESS ADMINISTRATION

The study programme is open for students having BSc degrees in Business Administration or Economics. The most important consideration for applicants is an interest in continued study and intensive research in some area of business with the minimum of prerequisites for admission to the programme. The programme gives the students the capability of evaluating the complexity of the business area by providing them with analytical tools for key decision-making processes. The further aim of the programme is to foster future leaders and professionals in business area at the international scale. Graduates are well equipped for national and international positions in the civil service, banking, research institutes, and private development institutions. They also have career prospects as managers in business. ERASMUS exchange students at MSc level can enrol for one or two semesters of studies.

The study programme is taught entirely in English. Faculty of Economics of CULS Prague cooperates with leading European universities, such as University College Cork, Wageningen University, Newcastle University, Humboldt University in Berlin, the University of Plymouth, the University of Malaya Kuala Lumpur, ISCTE Business School, the University of Guelph, the University of Missouri, Chonnam National University and others. Foreign lecturers from partner universities are involved in organizing and teaching in this programme. ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz)

NOTE: The MSc in Business Administration is a Double Degree (DD) Study Programme with EU partner Universities (Cranfield University UK, Wageningen University NL, Grenoble Business School, Catholic University Lyon, both France). Local degree students have the option to study for a specific time period at CULS and at one of the above mentioned partner universities (generally studies at a partner university last 1 semester or max. 1 academic year) and graduate with 2 university degrees – 1 from CULS Prague and 1 from one of the EU partner universities. DD studies are not open for exchange students, but only for degree students (complete MSc diploma studies). The DD study option is not available for ERASMUS exchange students.



## **Admission regulations:**

Applicants enrolling as degree students pay a tuition fee of 3 000 EUR per academic year. Electronic application for degree students of this study programme is available at <http://pri-jimacky.czu.cz/>. Signed application forms must be submitted together with confirmation of payment to the Study Office (Students who have completed secondary education or bachelor degree in the Czech Republic or students who have finished nostrification) or International Relations Office (International Students applying to Lifelong Learning Programme - students without completed nostrification) before 30. March 2015

**Programme organisation:** Faculty of Economics and Management [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**Programme duration:** 2 years (120 ECTS)

**Programme director:** PhDr. Vlastimil Černý, CSc., MA

**E-mail:** [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

**Programme administrator:** Ing. Karel Malec,

**Tel:** +420.234 382 155

**E-mail:** [maleck@pef.czu.cz](mailto:maleck@pef.czu.cz); [www.msc.pef.czu.cz](http://www.msc.pef.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Daniel Dědina

**Tel:** +420 224 382 323

**E-mail:** [dedina@pef.czu.cz](mailto:dedina@pef.czu.cz)

## Syllabus MSc in Business Administration (Programme code N6208)

	Winter semester
	Summer semester

Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
EUEB4E	International Trade	5
EEE11E	Econometrics	5
ENE29E	General Economics III – International Economics	5
EEE10E	Public Economics	5
EUEB5E	Managerial Finance	5
ETE6AE	ICT for Managers	5
EUEB6E	Wholesale and Retail Trade	5
ERE19E	Management	5
<b>Compulsory optional subjects</b>		
EREY2E	Marketing Communication	5
EUEB7E	Accounting	5
EIEA4E	Systems and Organizational Engineering	5
(**)	Diploma Thesis Work Credit I	5
<b>2<sup>nd</sup> year</b>		
(**)	Marketing Management	5
(**)	Strategic Management	5
<b>Compulsory optional subjects</b>		
(**)	Marketing Research	5
(**)	Business Information Systems	5
(**)	International Accounting Standards	5
(**)	Diploma Thesis Work Credit II	5
(**)	Logistics	4
(**)	Business Activity Assessment	4
<b>Compulsory optional subjects</b>		
(**)	Strategic Marketing	4
(**)	Strategy of Information Systems	4
(**)	Diploma Thesis Work Credit III, Practicals	14

(\*\*) Subject code to be determined

## 5. Master NATURAL RESOURCES and ENVIRONMENT

The International MSc Programme “Natural Resources and Environment” delivers advanced theoretical and professional skills focusing on the sustainable use and management of natural resources, such as soil, water and air, as well as the positive and negative impacts of agriculture and forestry on these resources. The programme is closely linked, as a Double Degree Programme (DD), to the “Natural Resources and Environment” MSc programme taught at the University of Natural Resources and Life Sciences (BOKU) Vienna. This means that graduates may, under certain conditions, receive a Master diploma at CULS Prague and at BOKU Vienna. The duration of the programme is two years. The first year of studies consists of theoretical subjects, including Environmental Analytical Chemistry, Agrometeorology and Applied Statistics. It is followed by subjects which include Soil and Water Relationship, Soil and Chemical Relationship, Soil and Plant Relationship, Agri and Environmental Microbiology and Water Resources Management. These subjects are compulsory for all participating students. The compulsory subjects in the second, third and fourth semesters are combined with compulsory optional subjects I and II, e.g. Hydrology for NRE, Crop and Irrigation Systems Management, Soil Taxonomy, Survey and GIS, Water in Landscape, and Agro-materials. Students may also choose subjects taught in English (as many as desired) from the recommended optional subjects or from all offered subjects. The programme is designed as a follow up to BSc undergraduate studies. The study is completed by an MSc thesis, which students begin to work on in the second semester of the first year. The topic is selected by students themselves from any of the compulsory and compulsory optional subjects. The student is guided by his/her supervisor and the department responsible for the selected subjects.

ERASMUS exchange students at MSc level can enrol for one or two semesters of studies, however are not eligible for the DD study option, taught at the University of Natural Resources and Life Sciences Vienna. ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ).

**Programme organisation:** Faculty of Agrobiolgy, Food and Natural Resources  
www.af.czu.cz

**Programme duration:** 2 years (120 ECTS)

**Programme director:** Prof. Ing. Svatopluk Matula, CSc., E-mail: matula@af.czu.cz

**ERASMUS & Exchange students' coordinator:**

Mgr. Marie Kafková

Faculty of Agrobiolgy, Food and Natural Resources

**Phone:** + 420 22438 4577

**Fax:** +420 23438 1801 E-mail: kafkova@af.czu.cz www.af.czu.cz

**Syllabus MSc Natural Resources and Environment  
(Programme code N4153)**

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
	<b>1<sup>st</sup> year</b>	
AAA19E	Advanced Meteorology	6
ACA06E	Environmental Analytical Chemistry	6
AEA17E	Agricultural Ecology	4
AMA09E	Agri and Environmental Microbiology	6
AGA47E	Experimental Design and Statistics	5
ZBX03E	Water Resources Management	6
AHA17E	Soil and Plant Relationship	6
AIA04E	Soil and Water Relationship	6
AIA24Z	Field Training	2
APA19E	Soil and Chemical Relationship	6
AUA59Z	Practical Diploma Training	5
	Compulsory Optional Subject I *)	
AIA04Z	Excursion	1
AWA64Z	MSc. Thesis	6

Subject Code	Subject Name	ECTS
	2 <sup>nd</sup> year	
APA21E	Soil Conservation and Protection	6
AIA05E	Hydrogeology for NRE	6
AIA05Z	Excursion	1
	Fully Optional Subject (***)	
	Fully Optional Subject (***)	
	Fully Optional Subject (***)	
AWA63Z	MSc. Thesis	7
	Compulsory Optional Subject II	
	Compulsory Optional Subject I	
AWA63Z	MSc. Thesis	7
	Compulsory optional subjects I	
AIA08E	Hydrology for NRE	6
AIA13E	Crop and Irrigation Systems Management	6
AIA08E	Hydrology for NRE	6
AIA13E	Crop and Irrigation Systems Management	6
AIA12E	Survey for Soil and Water Relationship	6
	Compulsory optional subjects II	6
ZBA06E	Water in Landscape	6
AIA10E	Hydrometeorology	6
APA22E	Soil Taxonomy, Survey and GIS	6
	Fully optional subjects	
AOA28E	Fundamentals of Plant Protection	5
AOA29E	General Phytopathology for NRE	5
ADA21E	Poultry Management	5
ATA17E	Management of Turf and Lawn	5
ABA15E	Plant Physiology	5
AVX01E	Management of Reproduction in Livestock	6
AQA25E	Food Quality and Food Safety	5
AQA28E	Sensory Analysis of Agricultural Products	5
AWX01E	Czech Language and Culture	3

Subject Code	Subject Name	ECTS
TBT05E	Agro-materials	6
AWA65Z	Project	7
ZGA01E	Hydroinformatics	6
AEA38E	Ichthyology	6
AVX02E	Reproductive Biology and Endocrinology	6
ATA17E	Management of Turf and Lawn	5
AQA25E	Food Quality and Food Safety	5
AQA28E	Sensory Analysis of Agricultural Products	5
AEA20E	Parasitology	6
AWX01E	Czech Language and Culture	3
AGA02E	Animal Genetics	6
AOA30E	Diseases of Crops of Temperate Climates	5
ADA27E	Rabbit Production	5
ACA11E	Advanced Organic Chemistry	6
AWA65Z	Project	7
AWA69Z	MSc Thesis – Double Degree	10

\*) Chosen subjects from Compulsory optional subjects I

\*\*) Chosen subjects from compulsory-optional subjects II or other subjects taught in English at the University.

\*\*) Chosen subjects from fully optional subjects or other subjects taught in English at the University.

### Subjects of MSc State Examination (SE)

#### Natural Resources and Environment (AMN)

Soil and Environment	Soil and Chemical Relationship Soil and Plant Relationship Soil Conservation and Protection
Water and Environment	Hydrogeology for NRE Water in Landscape Soil and Water Relationship
Atmosphere, Biosphere and Environment	Advanced Meteorology Agricultural and Environmental Microbiology Agricultural Ecology

## 6. MSc Natural Resources Management and Ecological Engineering (NARMEE)

### MSc full time Joint Degree Program between CULS and University of Natural Resources and Life Sciences Vienna (BOKU)

Natural Resources Management and Ecological Engineering (NARMEE) as a joint degree (JD) program follows the double degree program Natural Resources and Environment (NRE) which has been successfully taught in cooperation with BOKU Vienna. Program is drawn up to enable students to get best level of knowledge and skills by taking specific subjects at CULS or BOKU and combining them. Students can freely choose optional and fully optional subjects from the offer of both universities.

For students and their future engagement there are important practical subjects focused on the protection and remediation of soils, waste water treatment, GIS, or management of protected areas. Program includes practicals, excursions and semester projects.

Diploma thesis (DT) has to be completed under supervision of the supervisor of home university and co-supervisor from the partner university. Defence of the DT takes place at the home university in front of the commission composed of teachers from both universities.

LLP ERASMUS exchange students at MSc level can enrol for one or two semesters of studies, however are not eligible for the JD study option, taught at the University of Natural Resources and Life Sciences Vienna (they cannot choose subjects and courses taught in Vienna; these subjects have fully numeric codes, while the subjects taught on CULS have codes starting with three letters).

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Faculty of Agrobiological Sciences, Food and Natural Resources [www.af.czu.cz](http://www.af.czu.cz)

**Programme duration:** 2 years (120 ECTS)

**Programme director at CULS Prague:**

Prof. Dr. Ing. Luboš Borůvka

**E-mail:** [boruvka@af.czu.cz](mailto:boruvka@af.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Mgr. Marie Kafková


Faculty of Agrobiological Sciences, Food and Natural Resources


**Phone:** + 420 22438 4577

**Fax:** +420 23438 1801 **E-mail:** [kafkova@af.czu.cz](mailto:kafkova@af.czu.cz) [www.af.czu.cz](http://www.af.czu.cz)



## 6. MSc Natural Resources Management and Ecological Engineering (AMM) MSc full time Joint Degree Program between CULS and BOKU (Programme code N4163)

 Winter semester

 Summer semester

Subject Code	Subject Name	ECTS
	1st year	
ACA06E	Environmental Analytical Chemistry	6
AGA47E	Experimental Design and Statistics	5
AAA19E	Advanced Meteorology	6
AMA09E	Agri and Environmental Microbiology	6
AEA17	Agricultural Ecology	4
ZBX03E	Water Resources Management	6
AHA17E	Soil and Plant Relationship	6
AIA04E	Soil and Water Relationship	6
	Compulsory Optional Subject I	
	Compulsory Optional Subjects	
	Fully Optional Subjects	
AIA24Z	Field Training (2 days)	2
AWA64Z	MSc Thesis	6
AIA04Z	Excursion (1 day)	1
	2 <sup>nd</sup> year	
AUA59Z	Practical Diploma Training* (20 days)	5
	Compulsory optional subjects	
	Fully optional subjects	
AWA63Z	MSc. Thesis	7
AUA59Z	Practical Diploma Training* (20 days)	5
AWA63Z	MSc. Thesis	7
	Compulsory Optional Subjects	Min. 5
AMA09E	Agri and Environmental Microbiology	6
APZ03E	Environmental Soil Science	5
	Soil and Environmental Chemistry	Min. 6
APA19E	Soil and Chemical Relationship	6
APA19E	Soil and Chemical Relationship	6
771.304	Environmental Chemistry	4.5

Subject Code	Subject Name	ECTS
811.357*	Biology, Chemistry and Microbiology for Civil Engineering	3.0
811.357*	Biology, Chemistry and Microbiology for Civil Engineering	2
	<b>Soil Conservation and Protection</b>	<b>Min. 12</b>
APA21E	Soil Conservation and Protection	6
815.321	Soil Conservation and Soil Protection	3.0
815.322	Soil Erosion Models and their Application	4.5
AHA39E	Environment Pollution and Remediation	6
911.318	Ecology and Management of the Rhizosphere in Ecological Engineering	4.5
911.320	Risk Management by Soil Protection and Remediation	1.5
874.300	Soil- bioengineering techniques (slopes & gullies)	2.5
911.317	Soil Properties and Processes for Ecological Engineering	2
911.319	In-situ Treatment of Polluted Soils and Sediments: Phytoremediation,	3
	In-situ Fixation and Attenuation Techniques	
APA22E	Soil Taxonomy Survey and GIS	6
	<b>Soil and Water</b>	<b>Min. 12</b>
AIA05E	Hydrogeology for NRE	6
816.335	Introduction Soil Hydrological Processes	1.5
815.311	Simulation in Vadose Zone Environment	3.0
AIA12E	Survey for Soil and Water Relationship	6
AIA08E	Hydrology for NRE	6
AIA13E	Crop and Irrigation Systems Management	6
815.306	Applied Soil Physics	
816.347	Application of GIS in Hydrology and Water Management	3.0
AIA12E	Survey for Soil and Water Relationship	6
AIA08E	Hydrology for NRE	6
AIA13E	Crop and Irrigation Systems Management	6
	<b>Water Resources Management</b>	<b>Min. 10</b>
ZBX03E	Water Resources Management	6
ZBA06E	Water in Landscape	6
816.338	Water Resources Planning and Management	3.0
811.356	Water Supply and Wastewater Treatment	3.0
811.362	On Site Solutions for Water Supply and Sanitation	3.0
816.342	Possible Impacts of Climate Change on Water Resources	2
811.332	Water Resources Management in Developing Co-operation	2

Subject Code	Subject Name	ECTS
811.358	Planning and Design in Water Supply and wastewater Treatment	2
811.363	Industrial Water Management	2
813.359	Waste Recycling and Composting	2
	Ecology and Forest Science	Min. 10
AEA17E	Agricultural Ecology	4
832.321	BOKU International Wildlife Lectures	3.0
914.306	Assessing Diversity in Forest Stands	3.0
ZEX01E	Biodiversity	6
ZEX09E	Conservation Biology	6
LDX21E	Classification of Vegetation	6
ZEX06E	Plants Ecology and Conservation	5
ZEX07E	Non-forest Vegetation	6
LHX17E	Forest Management	6
732.333	Innovations for sustainable Forest Management	3.0
LPX25E	Forest Ecology	6
LPX01E	Forest Ecology and Management	5
LPX24E	Forest Management in Air Polluted Areas	6
832.321	BOKU International Wildlife Lectures	2
ZEX05E	Animals Ecology and Conservation	5
LDX21E	Classification of Vegetation	6
ZEX06E	Plants Ecology and Conservation	5
ZEX07E	Non-forest Vegetation	6
LPX25E	Forest Ecology	6
732.318	Forest Policy Analysis	3.0
732....	Mountain Forest Policy	4.0
	Management of Natural Resources	Min. 10
871.305	Integral Risk Management	3.0
913.302	Decision Support Systems	3.0
913.311	Multiple Criteria Decision Making in Natural Resource Management	3.0
857.320	Remote Sensing and GIS in Natural Resource Management	3.0
857.321	Remote Sensing and GIS in Natural Resource Management	3.0
ZGX04E	GIS for Nature Conservation	5
ZBX10E	Landscape Planning	6
832.312	(Eco-) tourism & Management of Protected Areas	3.0

Subject Code	Subject Name	ECTS
ZEX04E	Ecosystems Conservation and Management	5
ZUX03E	Wetlands Conservation and Management	6
871.304	Hazard and Risk Assessment	4.5
915.327	Project Management	3.0
911.320	Environmental Risk Analysis and Management	3.0
	Policy and Economics	Min. 10
732.346	Social Studies of Risk	3.0
732.326	Institutions and Policies of the EU (Introduction to the Law and Politics	3.0
EHI03E	of the European Union)	
EJE21E	Rural Development	5
731.324	Law in EU	5
731.328	Resource and Environmental Economics	3.0
731.330	Valuation Methods for Natural Resources (Economic Valuation of Market Goods	3.0
731.331	and Natural Resources)	
731.335	International Trade and Environment	3.0
731.347	WTO and International Environmental Agreements	3.0
731.348	Sustainable Business Strategies	3.0
LRX06E	Regional Economics and Regional Governance	3.0
731.333	Managerial Economics	
834.321	Environmental Economics	5
832.302	Globalisation and Rural Development	3.0
735.329	Biocultural Diversity in Rural Landscapes	3.0
	Human Dimensions in Wildlife Research & Management	1.5
	Decision Making in Management with Special Emphasis on Cultural Differences	3.0
	Language	Min. 5
	Foreign Language	2+3
	<b>Optional Subjects - specialisation</b>	
811.354	Case Studies in Sanitary Engineering	3.0
911.322	Role of Soils in Nature Conservation and Wildlife Management	1.5
APA17E	Modelling in Soil Science	6
APA20E	Pedometrics and Digital Soil Mapping	6
731.351	Applied Mathematical Programming in Natural Resource Management	
731.369	Computer Simulation in Energy and Resource Economics	3.0
731.335	Game Theory in Environmental and natural Resource Management	3.0

Subject Code	Subject Name	ECTS
811.360	Modelling in Sanitary Engineering (Sewer, Treatment Plant + Receiver)	4.5
AVA39E	Cell Biology	5
ABA15E	Plant Physiology	5
871.322	Science of Natural Mountain Disasters	4.5
816.336	Integrated Flood Risk Management	3.0
AIA10E	Hydrometeorology	6
ZUL03E	Landscape and Ecological Applications	6
ZEX03E	Ecological Data Processing	6
AOA29E	General Phytopathology for NRE	5
LOX12E	Forest Protection	6
ATA17E	Management of Turf and Lawn	5
ZEX02E	Conservation Genetics	6
ZBX09E	River Restoration	6
816.332	Computer Based River Modelling	3.0
915.344	Technology Assessment	3.0
APA20E	Pedometrics and Digital Soil Mapping	6
816.340	Ecologically Oriented Methods and Monitoring in River Engineering	3.0
ACA11E	Advanced Organic Chemistry	6
912.324	Fire Ecology – Vegetation and Wildlife	1.5
871.319	Protection and Mitigation Measures against Natural Hazards	4.5
ZGA01E	Hydroinformatics	6
AIA10E	Hydrometeorology	6
832.311	More Recent Conflict Species in Wildlife Management	1.5
ZEX03Z	Conservation at the Global Scale	3
ZOX01Z	Palaeoecology	3
ATA17E	Management of Turf and Lawn	5
ZBA01E	Drainage and Irrigation Systems	6
816.339	Sediment Regime and River Morphology	3.0
	Optional Subjects – others	
AEA22E	Aquaculture	5
AEA38E	Ichthyology	6
731.325	International Commodity Markets and Trade Policy	3.0
AWX01E	Czech Language and Culture	3
735.322	Global Networking	

Subject Code	Subject Name	ECTS
933.302*	Protection of Natural Resources by Organic Farming**	3.0
ARA35E	Alternative Agriculture	5
ADA21E	Poultry Management	5
AOA30E	Diseases of Crops of Temperate Climates	5
AQA25E	Food Quality and Food Safety	5
852.316	Global Design Studio	6.0
TBT05E	Agro-materials	6
AEA20E	Parasitology	6
AEA22E	Aquaculture	5
731.327	Principles of Empirical Research Methods in the Social Sciences	3.0
AWX01E	Czech Language and Culture	3
ADA27E	Rabbit Production	5
AOA30E	Diseases of Crops of Temperate Climates	5
AQA25E	Food Quality and Food Safety	5
AQA27E	Milk and Dairy Products Quality and Processing	6
AQA28E	Sensory Analysis of Agricultural Products	5

NOTE: For latest information on subjects taught in the programme NARMEE at BOKU Vienna in academic year 2015-2016, please contact the programme director (see above).

### Subjects of MSc State Examination (SE)

Corridor	Subjects
Soil Properties and Conservation	Soil and Chemical Relationship or equivalent
	Soil Conservation and Protection or equivalent
	Soil and Water Relationship
Water Resources and Management	Hydrology for NRE or equivalent
	Hydrogeology for NRE or equivalent
	Water Resources Management or equivalent
Atmosphere, Biosphere and Environment	Advanced Meteorology or equivalent
	Soil and Plant Relationship
	Agricultural Ecology or equivalent
	Forest Ecology or equivalent
	Agricultural and Environmental Microbiology or

## 7. Master in SUSTAINABLE AGRICULTURE AND FOOD SECURITY

The MSc programme Sustainable Agriculture and Food Security provides prospective students with a detailed understanding of sustainability in agriculture and food production. Students will be able to determine key characteristics and processes in agricultural systems, and critically evaluate environmental and social aspects of agricultural production and food security. Comprehensive knowledge of agriculture and food related sciences, i.e. biochemistry, plant and animal physiology and other, enables students to further advance in their scientific understanding and identification of areas for application of advanced technology in agriculture and food production. The wide offer of optional subject allows students to acquire a high level of specialisation and relevant skills in their particular area of interest. Graduates are well prepared for employment as executives, managers and specialist in various profit and non-profit institutions, governmental agencies, international agri-food companies and enterprises, as well as in research institutions.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz).

**Programme organisation:** Faculty of Agrobiolgy, Food and Natural Resources [www.af.czu.cz](http://www.af.czu.cz)

**Programme duration:** 2 years (120 ECTS)

**Programme Director:** Prof. Ing. Josef Soukup, CSc. [soukup@af.czu.cz](mailto:soukup@af.czu.cz)

**Student Affairs :** Marie Kafková [kafkova@af.czu.cz](mailto:kafkova@af.czu.cz) ; phone : (+420) 224 384 577

### Syllabus MSc in Forestry, Water and Landscape Management (Programme code N4107)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
	1 <sup>st</sup> year	
ACA12E	Biochemistry	6
ABA15E	Plant Physiology	5
AVA43E	Animal Physiology	5
AGA47E	Experimental Design and Statistics	5
AIA15E	Agricultural Water Management	6
AIA15Z	Excursion	1

Subject Code	Subject Name	ECTS
	<b>Compulsory Optional Subject I *)</b>	
AHA17E	Soil and Plant Relationship	6
ASA47E	Livestock Management	6
ACA13E	Food Chemistry	6
	<b>Compulsory Optional Subject I *)</b>	
AUA59Z	Practical Diploma Training	5
AWA64Z	MSc. Thesis	6
	<b>2<sup>nd</sup> year</b>	
AQA25E	Food Quality and Food Safety	5
ACA06E	Environmental Analytical Chemistry	6
ARA46E	Crop Management Systems	6
	<b>Compulsory Optional Subject II</b>	
AVA44E	Management of Reproduction in Livestock	6
AWA63Z	MSc Thesis	5
AZA36E	Landscaping	6
EHI03E	Rural Development	5
AMA14E	Food, Beverages and Food Additives	5
ARA42E	Alternative Agriculture	5
	<b>Compulsory Optional Subject II</b>	
AWA63Z	MSc. Thesis	5
	<b>Compulsory optional subjects I</b>	
APA21E	Soil Conservation and Protection	6
AAA30E	Weed Science	5
AIA13E	Crop and Irrigation Systems Management	6
AKA01E	Animal Feeding	6
ACA11E	Advanced Organic Chemistry	6
AOA30E	Diseases of Crops of Temperate Climate	5
AIA13E	Crop and Irrigation Systems Management	6
AEA38E	Ichthyology	6
AEA20E	Parasitology	6
AGA02E	Animal Genetics	6
AVI06E	Reproductive Biology and Endocrinology	6



Subject Code	Subject Name	ECTS
	Compulsory optional subjects II	
AGA48E	Plant Breeding and Seed Production	6
ATA17E	Management of Turf and Lawn	5
ADA21E	Poultry Management	5
AEA22E	Aquaculture	5
ARA44E	Aromatic, Medicinal and Spice Plants	5
ATA17E	Management of Turf and Lawn	5
AIA14E	Hydropedology and Groundwater Protection	6
AIA14Z	Excursion	1
ADA21E	Soil Taxonomy Survey and GIS	6
AQA27E	Milk and Dairy Products Quality and Processing	6
AQA28E	Sensory Analysis of Agricultural Products	5
EEA16E	Environmental Economics	5
ADA27E	Rabbit Production	5

Fully optional subjects      Selected subject taught in English in a Study Programme offered at CULS

### Subjects of MSc State Examination (SE)

Subject of the SE (corridor)	Subjects of the corridor
Crop Sciences	Plant Physiology Soil and Plant Relationship Crop Management Systems
Animal Sciences	Animal Physiology Livestock Management Management of Reproduction in Livestock
Food Quality and Safety	Food Chemistry Food Quality and Food Safety Food, Beverages and Food Additives

## 8. Master in FORESTRY, WATER and LANDSCAPE MANAGEMENT

This MSc study programme has been designed for students with a BSc degree in Forestry Sciences, Landscape Sciences, and Ecological or Environmental Sciences, or with a BSc degree from a similar subject area. The programme delivers advanced theoretical and practical knowledge in forestry, water and landscape management for future professionals. Subjects include world forestry, forest communities, conservation, dissemination, water management, desertification and floods, technical measures and land improvement, revitalisation of the forest and landscape ecosystems. Students will get acquainted with economic issues, characteristic for forest management and landscape revitalisation, according to biotic and abiotic factors, they will understand issues related to forest industry, afforestation and reforestation, sustainability, the influence of air and water pollution on forests, water and landscape etc. The programme consists of compulsory and optional subjects. Students can participate in solving real environmental and landscape problems, managing natural resources and policymaking. Graduates of this programme can also apply their knowledge, using their highly specialised skills, for solving problems in the areas of research and innovation. They can apply new findings and methods and integrate them in various areas of practical applications. They can work independently in small and medium size enterprises, or find jobs as heads of creative teams at intermediate and top management levels, state environmental agencies, administration, international organizations and NGOs. LLP Erasmus exchange students at MSc level can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatalkova@rektorat.czu.cz).

**Programme organisation:** Faculty of Forestry and Wood Sciences, [www.fld.czu.cz](http://www.fld.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Doc. Ing. Milan Lstibůrek, CSc.

**E-Mail:** [lstiburek@fld.czu.cz](mailto:lstiburek@fld.czu.cz)

**ERASMUS & exchange students' coordinator:** Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

**Phone:** +420 224 384 871

**E-mail:** [navratilova@fld.czu.cz](mailto:navratilova@fld.czu.cz)

## Syllabus MSc in Forestry, Water and Landscape Management (Programme code N4107)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
ZBX03E	Water Resources Management	6
ZEL01E	Ecology and Ecological Methods	6
ZUL03E	Landscape ecological applications	6
LLX01E	Forest Ecology	6
LDX19E	Forest Dendrology, Genetics and Tree Breeding	6
LLX05E	Classification of Vegetation	6
LPX20E	Silviculture	6
ZBL02E	Irrigation and Drainage	6
LXX02Z	MSc Thesis Seminar	1
ZBL04Z	Irrigation and Drainage - Field lecture	1
LDX22Z	Forest Dendrology, Genetics and Tree Breeding (field lecture)	1
LLX01Z	Forest Ecology (field lecture)	1
<b>Optional subjects</b>		
ZVL09E	Principles of Hydrology and Hydrometeorology	6
LPX24E	Forest Manag. in Air Polluted Areas	6
LPX21E	Special Forest Plantations	6
AAA19E	Advanced Agrometeorology	6
ZVL05E	Hydraulics	6
(**)	Urban Forestry	6
ZVL07E	Hydrology	6
ZVL04E	Groundwater Flow and Co. Tr.	6
LPX22E	Special Silviculture I	6
LPX23E	Special Silviculture II	6
APA22E	Soil Taxonomy Survey and GIS	6
LDX20E	Physiology of Growth and RFT	6
<b>2<sup>nd</sup> year</b>		
LHX17E	Forest Management	6
ZVL01E	Applied Hydraulics and Hydrology	6
ZGL03E	GIS for Forest and LM	6
LZX01E	Logging and Wood Processing	6

Subject Code	Subject Name	ECTS
LHX18Z	Forest Management – field lecture	1
LXX03Z	MSc Thesis Seminar	1
LOX12E	Forest Protection	6
LRX07E	Forest Enterprise Economics	6
ZGL01E	Hydroinformatics	6
LXX01Z	MSc. Thesis	10
	<b>Optional subjects</b>	
ZVL09E	Principles of Hydrology and Hydrometeorology	6
LPX24E	Forest Manag. in Air Polluted Areas	6
LPX21E	Special Forest Plantations	6
AAA19E	Advanced Agrometeorology	6
(**)	Urban Forestry	6
ZVL05E	Hydraulics	6
ZVL07E	Hydrology	6
ZVL04E	Groundwater Flow and Co. Tr.	6
LPX22E	Special Silviculture I	6
LPX23E	Special Silviculture II	6
APA22E	Soil Taxonomy Survey and GIS	6
LDX20E	Physiology of Growth and RFT	6

## 9. Master in FOREST ENGINEERING

This MSc. study programme is directly linked to the Forestry Bc. programme. Students who have not completed a bachelor of forestry must complete basic courses (according to the study plan). Students gain knowledge needed for practical forestry purposes as specialization, which role is to produce quality wood raw material with a minimal negative influence on landscape equitability and other forest function fulfilment. The programme delivers advanced theoretical and practical knowledge in forestry, students will get acquainted with economic issues, characteristic for forest management, they will understand issues related to forest and wood processing industry, forest logging, forest protection, forest management and silviculture. Graduates of this programme can also apply their knowledge, using their highly specialised skills, for solving problems in the areas of research and innovation. They can apply new findings and methods and integrate them in various areas of practical applications. They can work independently in small and medium size enterprises, or find jobs as heads of creative teams at intermediate and top management levels, state environmental agencies, administration, international organizations and NGOs. Erasmus exchange students can enrol for one or two semesters.

**Programme organisation:** Faculty of Forestry and Wood Sciences, [www.fld.czu.cz](http://www.fld.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Doc. Ing. Miroslav Svoboda, PhD

**E-Mail:** [svobodam@fld.czu.cz](mailto:svobodam@fld.czu.cz)

**ERASMUS & exchange students' coordinator:** Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

**Phone:** +420 224 384 871, **Fax:** +420 234 381 822

**E-mail:** [navratilova@fld.czu.cz](mailto:navratilova@fld.czu.cz)

## Syllabus MSc in Forest Engineering (Programme code N41071)

Winter semester  
Summer semester

Subject Code	Subject Name	ECTS
	<b>1st year</b>	
(**)	Forest Modelling	5
(**)	Ergonomylandscape ecological applications	2
(**)	Forestry Economic Management	5
(**)	Genetics and Forest Tree Breeding	5
(**)	Silviculture III.	5
(**)	Silviculture III.	5
(**)	Torrent Control and Avalanche ProtectionI	5
(**)	Forest Management II.	5
(**)	Forest Protection II.	7
(**)	Hydrology	5
(**)	Diploma Thesis	1
	<b>Field Lectures</b>	
(**)	Silviculture III.	1
(**)	Torrent Control and Avalanche ProtectionI	1
(**)	Forest Protection II.	1
(**)	Forest Management II.	1
(**)	Hydrology	1
	<b>Compulsory Subjects</b>	
(**)	Dendrology and Phytosociology and Classification of Vegetation	5
(**)	Forest Protection I. and Phytopatology	5
(**)	Forest Ecology and Forest Sites	5
	<b>Field Lectures</b>	
(**)	Dendrology and Phytosociology and Classification of Vegetation	1
(**)	Forest Protection I. and Phytopatology	1
(**)	Forest Ecology and Forest Sites	1
	<b>Optional Subjects</b>	
(**)	Commercialization of Non Market Forest	4
(**)	Population Genetics	4
(**)	Subjects from MSc Programmes FWLM ot TFA	0

Subject Code	Subject Name	ECTS
	2 <sup>nd</sup> year	
(**)	Forest Marketing	5
(**)	Forestry Policy (EU)	2
(**)	Remote Sensing	5
(**)	Technologies in Forest Harvesting and Transport	5
(**)	Forestry Amelioration	5
(**)	Diploma Thesis	1
(**)	Diploma Thesis	10
(**)	Econometry in Forestry	5
(**)	Forest Valuation	6
(**)	Special Silviculture I.	6
LXLN1Z	State Final Exam	
	Field Lectures	
(**)	Technologies in Forest Harvesting and Transport	1
(**)	Forestry Amelioration	1
(**)	Forest Valuation	16
	Optional Subjects	
(**)	Accounting	4
(**)	Forest Inventory	4
(**)	Business Jurisdiction	3
	Field Lecture	
(**)	Forest Inventory	1

(\*) Subject code to be determined

## 10. Master in LAND and WATER MANAGEMENT

The goal of the Land and Water Management program (LWM) is to stimulate creative thinking about the methodical approaches for managing land and water resources. The program is based on combining the sustainable social, environmental, and technical dimensions of both natural and man-made water resources and land features.

The master study program offered in English for LWM is open to graduates with a solid background in environmental sciences, landscape ecology, conservation biology, urban – regional or spatial planning, landscape architecture, civil engineering or math, and other related earth-science studies. Previous course credit in statistics, physics or calculus is a plus for entering this degree program. International students from other countries and the greater EU are strongly encouraged to apply, as are Czech speaking bachelor students from Land and Water Resources.

The LWM Masters of Science degree (MSc) provides a solid understanding in both applied and theory-based resource management – based on principles of applied landscape ecology. LWM is an accredited degree program required for practice of landscape engineering and design as specified by the Czech Society of Landscape Engineers, in the EU, and applicable to international locations as well.

The two-year study program consists of required courses and research-based field studies. Course work includes: applied statistics, ArcGIS, environmental law and environmental policy, land management, soils and erosion control, irrigation and drainage management, hydraulics and applied hydrology, resource economics, and settlement patterns of the Czech Republic. Students may take additional classes not included in the LWM study plan; these will be added to your diploma supplement.

Students learn by working on real projects. We often focus this work on the dynamic and varied landscape of the Czech Republic, however students will also travel to neighbouring countries in Central Europe to study differing approaches to LWM.

Graduates will be well qualified to apply this new knowledge and skill-set to solving problems in the area of research and innovation in LWM. This will open the doors toward employment in environmental and land management, water resources and civil engineering, working for project planning companies, nation and international organizations, etc. Resources are available for graduates who choose to continue their studies at the PhD level.



Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz).

**Programme organisation:** Faculty of Environmental Sciences [www.fzp.czu.cz](http://www.fzp.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** doc. Ing. Jakub Štibinger, CSc.

**E-Mail:** [stibinger@fzp.czu.cz](mailto:stibinger@fzp.czu.cz)

**ERASMUS & Exchange students coordinator:**

Ing. Helena Michalkova

Faculty of Environmental Sciences

**Phone:** +420 22438 2147, **Fax:** +420 234381854

**E-mail:** [michalkova@fzp.czu.cz](mailto:michalkova@fzp.czu.cz) [www.fzp.czu.cz](http://www.fzp.czu.cz)

## Syllabus MSc in Land and Water Management (Programme code N3914)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
ZBX11E	Land Management	6
ZBX03E	Water Resources Management	6
ZGX05E	GIS for Landscape Management I	6
ZVX04E	Environmental Hydraulics	6
ZXX18Z	Seminar for LWM I	1
APZ03E	Environmental Soil Science	5
ZXX21Z	Workshop for LWM I	1
ZVX03E	Applied Hydropedology	6
ZGX06E	GIS for Land Management II	6
ZGX07E	Hydroinformatics	5
ZUX03E	Wetlands Conservation and Management	6
ZVX05E	Applied Hydrology	6
ZXX19Z	Seminar for LWM II	
ZXX22Z	Workshop for LWM II	1
<b>2<sup>nd</sup> year</b>		
ZUX02E	EIA and SEA	
ZBX02E	Irrigation and Drainage	5
ZVX18E	Air Pollution	6
ZOZ04Z	Environmental Geology and Earth System Sciences	6
LRX03E	Environmental Economics	3
ZXX20Z	Seminar for LWM III	5
ZXX23Z	Workshop for LWM III	1
ARX03E	Sustainable Agriculture	1
ZOX03E	Environmental Geochemistry	5
ZVX20E	Groundwater Flow and Contaminant	5
	Transport	6
ZVX19E	Hydrological Modelling	6

## 11. Master in ENVIRONMENTAL MODELLING

The graduate-degree study program offered in English for Environmental Modeling (ENVA) is open for students with a bachelor degree in a relevant subject area and who wish to acquire advanced knowledge and emphasis on modelling. Students are well prepared for analyzing important environmental processes and for applying a range of techniques for modelling these processes.

Students study how to model the transport of pollutants and contaminants in different environments, and how to describe the transport processes in the atmosphere, soil, groundwater and surface water. Graduates are able to combine advanced knowledge of applied mathematics and informatics with descriptions of processes. Graduates are prepared for positions as environmental process modellers and as engineers working for national and international institutions.

The two-year study program in ENVA is perhaps our most technical and advanced science-based degree and consists of required courses and research-based field studies. Course work includes: environmental hydrology, computational hydraulics, geochemistry, computer modelling, groundwater hydraulics, fluid mechanics, applied hydroopedology and applied hydroinformatics.

Students may take additional classes not included in the ENVM study plan; these will be added to your diploma supplement. Graduates may choose to continue their studies at the PhD level with a variety of resources available to support this advanced level of research.

Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz)

**Programme organisation:** Faculty of Environmental Sciences [www.fzp.czu.cz](http://www.fzp.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** prof. Ing. Pavel Pech, CSc., E-Mail: [pech@fzp.czu.cz](mailto:pech@fzp.czu.cz)

**ERASMUS & Exchange students coordinator:**

Ing. Helena Michalkova

Faculty of Environmental Sciences

**Phone:** +420 22438 2147, **Fax:** +420 234381854

**E-mail:** [michalkova@fzp.czu.cz](mailto:michalkova@fzp.czu.cz)

## Syllabus MSc in Environmental Modelling (Programme code N3914)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
ZVX01Z	Introduction to Environmental Modelling	1
ZGX08E	Mathematics for Environmental Modelling	5
LHX01Z	Computer Modelling I.	4
ZVX08E	Environmental Hydrology	6
ZVX09E	Computational Hydraulics	6
ZGX09E	Introduction to Geochemistry	4
ZVX07E	Physical - Chemical Aspects of Processes in Environmental	4
LHX04E	Computer Modelling II.	5
ZVX16E	Applied Hydrogeology	6
ZVX10E	Groundwater Hydraulics	5
ZVX11E	Experimental Methods in Fluid Mechanics	5
ZVX12E	Numerical Methods	5
ZVX13E	Hydraulic Modelling	5
<b>2<sup>nd</sup> year</b>		
ZVX14E	Hydrological Modelling	5
ZGX11E	Random Processes	5
ZVX15E	Transport of Contaminants in Atmosphere	5
ZOX01E	Special Hydrogeology	5
ZVX02Z	Semestral Project	3
ZVX17E	Flow in Atmospheric Boundary Layer	6
ZVX03Z	Applied Hydroinformatics	5

## 12. Master in NATURE CONSERVATION

The master degree study program offered in English for Nature Conservation (NCO) is open for graduates of the bachelor study program in Applied Ecology, and for degree-holders with a background in ecology, biology, zoology, botany, geology, conservation biology, land management, landscape ecology or environmental sciences. The NCO program is best suited for those wishing to acquire advanced knowledge and research-based skills in nature conservation. Previous course credit in statistics, physics or calculus is a plus for entering this degree program. International students from other countries and the greater EU are strongly encouraged to apply, as are Czech speaking bachelor students from Land and Water Resources.

The NCO Masters of Science degree (MSc) provides a solid understanding in both applied and theory-based resource conservation and management, based on principles of applied landscape ecology. NCO is an accredited degree program required for practice of management of protected landscape areas with the Nature Conservation Agency of the Czech Republic, the EU and applicable international locations as well.

The studies center on sustainable natural resources; students will acquire advanced knowledge on a range of methods for conserving the biosphere, applied landscape ecology, land reclamation, water-course revitalization, erosion and soil protection, ecological stress and rehabilitation technology, game management, and methods of environmental assessment.

The two-year study program consists of required courses and research-based field studies. Course work includes: Forest ecology; environmental economics; conservation biology; wetlands conservation; ArcGIS; conservation genetics; river restoration; plants; landscape planning and others. Students may take additional classes not included in the NCO study plan; these will be added to your Transcript of Records. Resources exist for graduates who wish to continue their studies at the PhD level. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatalkova@rektorat.czu.cz)

**Programme organisation:** Faculty of Environmental Sciences [www.fzp.czu.cz](http://www.fzp.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Prof. Dr. Ing. Miroslav Šálek,

**E-Mail:** [salek@fzp.czu.cz](mailto:salek@fzp.czu.cz)

**ERASMUS & Exchange students coordinator:**

Ing. Helena Michalkova

Faculty of Environmental Sciences

**Phone:** +420 22438 2147, **Fax:** +420 234381854

**E-mail:** [michalkova@fzp.czu.cz](mailto:michalkova@fzp.czu.cz)

## Syllabus MSc in Nature Conservation (Programme code N3904)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
1 <sup>st</sup> year		
ZEX01E	Biodiversity	6
ZEX02E	Conservation Genetics	6
ZEX03E	Ecological Data Processing	6
ZGX04E	GIS for Nature Conservation	5
ZBX09E	River Restoration	6
ZEX01Z	Seminar for NCO I	1
ZOZ04E	Environmental Geology and Earth System Sciences	3
ZXX14Z	Workshop I	1
ZEX04E	Ecosystems Conservation and Management	6
ZEX05E	Animals Ecology and Conservation	5
ZEX06E	Plants Ecology and Conservation	5
ZBX10E	Landscape Planning	6
ZEX07E	Non-forest Vegetation	6
ZEX02Z	Field Practice	2
ZXX11Z	Seminar for NCO II	1
ZXX15Z	Workshop II	1
2 <sup>nd</sup> year		
ZXX12Z	Seminar for NCO III	1
ZUX02E	EIA and SEA	5
LRX06E	Environmental Economics	5
LPX01E	Forest Ecology and Management	5
LOX05E	Game Management	5
ZXX16Z	Workshop III	1
ZUX03E	Wetlands Conservation and Management	6
ZEX10E	Conservation Policy	4
ZEX11E	Protected Areas Management	4
ZOX01Z	Palaeoecology	3
ZEX03Z	Conservation at the Global Scale	3
ZEX09E	Conservation Biology	6

### 13. Master in LANDSCAPE PLANNING

Landscape Planning (LPA), the newest of the four accredited Masters Study programs offered in English at FES, blends together elements of landscape architecture, applied landscape ecology, spatial and regional planning, landscape history and natural sciences.

This program is open to graduates with a background in environmental sciences, landscape ecology, conservation biology, urban–regional or spatial planning, landscape architecture, civil engineering or math, and other related earth–science studies. Previous course credit in dendrology, plant or soil science, planning and landscape architecture is a plus for entering this degree program but not a requirement. International students from other countries and the greater EU are strongly encouraged to apply.

Students learn by working on real projects and become skilled in applied sustainable land use planning and resource management. We often focus this work on the dynamic and varied landscape of the Czech Republic, however students will also travel to neighbouring countries in Central Europe to study to explore how sustainable approaches to landscape planning can be applied elsewhere. Professors in the Faculty are actively conducting field research on land use change and other man-made and natural phenomena here the Czech Republic, however many also work world-wide in their given area of scholarship.

LAP is an accredited degree program required for practice of landscape engineering and design in the Czech Republic, the EU and applicable to international locations as well. The two-year study program consists of required courses and research-based field studies.

Course work includes: landscape ecology, landscape architecture, spatial planning, land management, landscape history, ArcGIS, aquatic ecosystems, land reclamation, soils and erosion control, forest management, and settlement patterns of the Czech Republic. Students may take additional classes not included in the LPA study plan; these will be added to your Transcript



of Records. Resources are available for graduates who choose to continue their studies at the PhD level.

Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz )

**Programme organisation:** Faculty of Environmental Sciences [www.fzp.czu.cz](http://www.fzp.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Prof. Ing. Petr Sklenička, CSc.

**E-Mail:** [sklenicka@fzp.czu.cz](mailto:sklenicka@fzp.czu.cz)

**ERASMUS & Exchange students coordinator:**

Ing. Helena Michalkova

Faculty of Environmental Sciences

**Phone:** +420 22438 2147, Fax: +420 234381854

**E-mail:** [michalkova@fzp.czu.cz](mailto:michalkova@fzp.czu.cz)

## Syllabus MSc in Landscape Planning (Programme code N3904)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
	1 <sup>st</sup> year	
ZBX12E	Erosion Control	6
ZBX14E	Landscape History	3
ZBX11E	Land Management	6
ZUX01E	Landscape Ecology	5
LDX22E	Vegetation in Land Management	5
ZXX28Z	Seminar for LP	1
ZGX08E	GIS II	4
ZGX10E	Land Register and GIS	5
ZBX15E	Spatial Planning	6
LPX26E	Forestry	5
ZUX04E	Water Resources Management	6
APZ05E	Applied Soil Science	5
ZBX09Z	Landscape History Workshop	2
ZXX29Z	Workshop LPA I	1
	2 <sup>nd</sup> year	
ZBX07E	Landscape Planning Studio	5
ZBX16E	Land Reclamation	5
ZBX17E	Landscape Architecture	5
ZEX01E	Aquatic Ecosystem Restoration	6
ZUX02E	EIA and SEA	5
ZBX01Z	Landscape Planning Studio Workshop	3
ZEX10E	Conservation Policy	4
ZBX04Z	Landscape Architecture Workshop	3
ZBX05Z	Land Reclamation Workshop	3

## 14. MSc Environmental Geosciences (EGS)

**NEW**

EGS is the newest of the five accredited Masters Study programmes offered in English and it is open for bachelor graduates in Applied Ecology, Geology or similar fields. The programme provides a solid theoretical and practical background in Earth Sciences; students will be able to identify and analyse specific environmental issues linked to Earth Sciences; they will work independently in various laboratories at the Faculty and present their results during seminars, field excursions and workshops. Students will gain insight into various disciplines, e.g., Geology, Environmental Hydrogeology, Paleoecology, Environmental Geochemistry and Mineralogy. Graduates are prepared for positions in science and engineering in the field of environmental remediation or as a specialist working for national and international institutions.

Environmental Geosciences are currently at the forefront of many scientific disciplines and have an important practical outcome as well. The understanding of pollutants' behaviour in various environmental compartments, remediation of contaminated sites and evolution of ecosystems in the Earth's history are just a few examples of the topics covered by the programme. The laboratories at the Faculty of Environmental Sciences are equipped with high-end instrumentation for advanced specialized methods used in environmental geochemistry, such as speciation and specialized isotope analyses. These techniques are currently fast emerging and crucial in the developing fields of Environmental Geochemistry and Biogeochemistry. Students may take additional classes not included in the EGS study plan; these will be added to your transcript of records. Graduates may choose to continue their studies at the PhD level with a variety of resources available to support their advanced level of research. Erasmus exchange students can enrol for one or two semesters.

**Programme organisation:** Faculty of Environmental Sciences [www.fzp.czu.cz](http://www.fzp.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Dr. Michael Komarek, PhD

**E-Mail:** [komarek@fzp.czu.cz](mailto:komarek@fzp.czu.cz)

**ERASMUS & Exchange students coordinator:**

Ing. Helena Michalkova

Faculty of Environmental Sciences

**Phone:** +420 22438 2147, **Fax:** +420 234381854

**E-mail:** [michalkova@fzp.czu.cz](mailto:michalkova@fzp.czu.cz)

## Syllabus MSc Environmental Geosciences (Programme code N3914)

Winter semester  
Summer semester

Subject Code	Subject Name	ECTS
	1 <sup>st</sup> year	
(*)	Geology	5
(*)	Environmental Soil Science	5
(*)	Introduction to Geochemistry	4
(*)	Environmental Hydrogeology	5
(*)	Ecological Data Processing	6
(*)	Introduction to Environmental Modelling	1
(*)	Geology – Field Lecture	1
(*)	Practical and Computational Chemistry	1
(*)	Seminar fro EG I.	1
(*)	Environmental Geochemistry and Mineralogy	5
(*)	Wetlands Construction and Management	6
(*)	Paleoecology	3
(*)	Groundwater Hydraulic	5
(*)	Environmental Analytical Chemistry	6
(*)	Seminar for EG II	1
(*)	Field Practice for EG	6
(*)	Diploma Paper	0
	2 <sup>nd</sup> year	
(*)	Environmental Geology and Earth System Sciences	5
(*)	Air Pollurion	6
(*)	Physical – Chemical Aspects of Processes in the Environment	4
(*)	Environmental Contamination and Remediation Technology	5
(*)	Drinking Water and Waste Water Treatment	4
(*)	Seminar for EG III.	1
(*)	Workshop for EG I.	1
(*)	Transport of Contaminants in Porous Environment	5
(*)	Environmental Soil Chemistry	6
(*)	Waste Geochemistry Management	6
(*)	Diploma Paper	-
(*)	Diploma Paper	12

(\*) Subject code to be determined

## 15. Master in TECHNOLOGY and ENVIRONMENTAL ENGINEERING

The study programme is designed for BSc graduates with a strong background in technology and engineering. BSc diplomas in a field related to engineering and environment are accepted as appropriate education background. Subjects include agricultural engineering, road and urban transport, technology and equipment for waste management, technology and equipment for building constructions, trade and business in machinery and information and control technology in agrifood complexes. The programme consists mostly of compulsory subjects. The study programme delivers advanced knowledge in core engineering subjects. The acquired knowledge is complemented with basic disciplines of ecological and environmental sciences. The interdisciplinary relations between machinery and environment are also covered. In the course of their studies, students prepare their MSc thesis in the field of environmental engineering. A prerequisite for graduation is the successful passing of all required exams and the presentation and defence of a thesis. The graduates are well prepared for national and international positions in industry, civil services, business dealing with machinery, and technical development. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz)

**Programme organisation:** Faculty of Engineering, [www.tf.czu.cz](http://www.tf.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Prof. Dr. Ing. František Kumhála

**E-mail:** [kumhala@tf.czu.cz](mailto:kumhala@tf.czu.cz)

**Phone:** +420 224 383 135, **Fax:** +420 234 381 828

**ERASMUS & Exchange students coordinator:**

Lucie Marečková

**E-mail:** [mareckova@tf.czu.cz](mailto:mareckova@tf.czu.cz)

**Phone:** +420 224 383 212

## Syllabus MSc Technology and Environmental Engineering (Programme code N4110)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
TAT06E	Applied Mathematics	6
TBT02E	Applied physics	6
ZEL01E	Ecology and Ecological methods	6
TCT07E	Basic Applied Mechanics	6
IUT16E	Environmental Engineering in Agriculture	6
TBT05E	Agro-materials	6
TDT07E	Material Science	6
THT01E	Energy Supply and Electric Drives	6
Compulsory optional subject I		
Compulsory optional subject II		
Compulsory optional subjects I		
AIA04E	Soil and Water Relations	6
TGT03E	Storage of Agricultural Materials	6
TGT110E	Techniques of Environment	6
TZT10Z	Project TEE- optional	3
Compulsory optional subjects II		
AHA17E	Soil and Plants Relations	6
TET19E	Rural Engineering	6
TGT49E	Packing and Packaging Methods	6
TFT46E	Fluid Power Mechanisms	6
<b>2<sup>nd</sup> year</b>		
TET09E	Automobiles and Tractors	6
TFT01E	Technology and Technique for plant production	6
TGT01E	Technological Equipment of Buildings for Animal Production	6
ZUL03E	Landscape Ecological Application	6
Compulsory optional subject III		
TTT08E	Mobile Machinery Utilization	6
EEE68E	Environmental Economy	5
TJT01E	Logistic Management	6
TGT02E	Technological Equipment for Waste Management	6

Subject Code	Subject Name	ECTS
TZT05Z	Diploma Thesis	7
TZT10Z	Project TEE- optional	3
	<b>Compulsory optional subjects III</b>	
APA21E	Soil Conservation and Protection	6
TGT48E	Brewing Czech Beer	6
TGT06E	Transport, Handling and Manipulation Machinery	6
TGT22E	Process Engineering in Agri-food Industries	6
	<b>Optional subjects</b>	
TGT35Z	Program. In Windows Environ. and Visual Basic- optional 2nd year	3
TZT10Z	Project TEE- optional 1st, 2nd year	3



## 16. Master in SUSTAINABLE RURAL DEVELOPMENT IN TROPICS AND SUBTROPICS

This programme has been designed for graduates of the BSc programme Agricultural Specialisation, or BSc graduates with a solid background in biology, mathematics, agricultural or environmental sciences. The programme focuses on rural engineering, water and natural resources management, environment conservation and agricultural production, crop and animal production in the tropics and subtropics, rural economy, food and non-food technologies, education of rural population in developing countries and alternative energy resources. The acquired advanced knowledge and skills will enable the students to manage sustainable utilization of natural resources, including local human and energy resources, alternative agricultural production, non-traditional food production and processing industries and the profit from available services. The graduates have sound professional knowledge of agricultural and environmental technology, using of renewable energy resources, farm management, and project management, management of organizations and principles of socio-economic sciences. They understand theories, concepts and methods relevant to sustainable development in tropical rural areas. Graduates will be well prepared for leading positions in management of rural communities in developing countries of the tropical and subtropical regions, rural educational systems and research in relevant sectors of rural economy. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Faculty of Tropical AgriSciences [www.ftz.czu.cz](http://www.ftz.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Assoc. Prof. Jan Banout, Ph.D.

**Phone:** +420 224 384 187 Fax: 234 381 829

**E-mail:** [banout@ftz.czu.cz](mailto:banout@ftz.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

**Direct line:** +420 22438 2496

**Fax:** +420 23438 1829

**e-mail:** hummelova@ftz.czu.cz

**Phone:** +420 224 383 212

## Syllabus MSc in Sustainable Rural Development in Tropics and Subtropics (Programme code N4106)

Winter semester  
Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
IUI24E	Management of Energy Resources in TS	5
IEI03E	Development and Poverty Reduction Strategies	5
IUI04E	Introduction to Engineering	5
ESI06E	Applied Statistics	5
IUI62Z	Scientific Seminar	1
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
IUI54E	Global Food Security	5
IUI14E	Rural Sociology and Demography in DC	5
IAl11E	Human Nutrition and Prevention of Food-borne Diseases	5
IUI63Z	Scientific Seminar	2
IXI03Z	Diploma Thesis - Research Design	3
<b>Optional subjects:</b>		
AEA22E	Aquaculture	5
IAl40E	Biodiversity Conservation and Protected Areas	5
APA21E	Soil Conservation and Protection	6
ZBX03E	Water Resources Management	6
IAl41E	Resource Ecology: soil-plant-animal interactions	5
ICl29E	Quality, Storage and Processing of Plant Products	5
IEI26E	Monitoring and Evaluation	5
IEI27E	Microfinance and Rural Economics	5
IUI69E	Project Management and Planning	5
IEI01E	Civil Society and Inter-Governmental Organizations	5
IEI06E	Marketing of TS Products	5
EHI03E	Rural Development	5
IUI52E	Principles of Food Preservations	5
IUI66E	Personal Security and Risk Management	4
IUI11E	First Aid for Development Workers	2
ICl12E	Management of Sub-(tropical) Land - Use Systems	4
RTX11Z	Summer Sports	1

Subject Code	Subject Name	ECTS
	<b>2<sup>nd</sup> year</b>	
IEI02E	Economics of Farming Systems	5
IUI16E	Environmental Engineering Technology	5
IUI51E	Renewable Energy for Food Processing	5
IUI01Z	Practical Training	5
IUI64Z	Scientific Seminar	1
IXI04Z	Diploma Thesis - Data Analysis	5
IUI53E	Quality, Storage and Processing Meat Products	5
IUI65Z	Scientific Seminar	1
IXI05Z	Diploma Thesis - Submission	15
	<b>Optional subjects:</b>	
RTX10Z	Winter Sports	1
IUI61E	Rural Communication and Extension	5
IEI18E	Fair Trade and Ethical Business in International Trade	4
IEI23E	Agricultural Market Information and Services	5
IUI62E	Organic Waste Management in TS	5

(\*) Optional subjects: Please consult with study programme directors for availability

## 17. Master in TROPICAL FORESTRY AND AGROFORESTRY

This MSc study programme has been designed for BSc graduates in Forestry and Agricultural Specialisation. BSc graduates with a solid background in biology, forestry and environmental sciences, desiring to acquire advanced professional knowledge in forest management in tropics and subtropics are of course welcomed. Erasmus exchange students at MSc level can enrol for one or two semesters. The students studying courses of TFA are prepared for their professional missions in tropical and subtropical countries in the field of forest management, agroforestry and wood science. A great emphasis is also put on the field of agriculture and rural development, which is very often closely connected with forest management. Students will get the basic knowledge about the whole agro-forestry sector in these countries, and also the bases of sustainable use and protection of tropical forest. The graduates should be able to practically use this knowledge to the development of sustainable forestry in the third world countries.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation  
 Programme organisation: The programme is jointly organised by the Faculty of Forestry and Wood Sciences (FFWS) [www.fld.czu.cz](http://www.fld.czu.cz) and the Faculty of Tropical AgriSciences (FTA) [www.ftz.czu.cz](http://www.ftz.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

### **Programme directors:**

Assoc. Prof. Ing. Bohdan Lojka, Ph.D. (FTA) [lojka@ftz.czu.cz](mailto:lojka@ftz.czu.cz)

Assoc. Prof. Ing. Jiri Remes (FFWS) [remes@fld.czu.cz](mailto:remes@fld.czu.cz)

### **ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

**Direct line:** +420 224 382 496

**Fax:** +420 234 381 829

**e-mail:** [hummelova@ftz.czu.cz](mailto:hummelova@ftz.czu.cz)

Ing. Katerina Navratilova (FFWS)

**Direct line:** +420 224 384 871

**e-mail:** [navratilova@fld.czu.cz](mailto:navratilova@fld.czu.cz)

## Syllabus MSc in Tropical Forestry and Agroforestry (Programme code N4107)

Winter semester  
Summer semester

Subject Code	Subject Name	ECTS
	<b>1<sup>st</sup> year</b>	
ICI03E	Special Crops	5
LHX02E	Forest Management in TS	5
ICI04E	Tropical Phytocoenoses	5
LZX02E	Wood Science	5
ZGX09E	Remote Sensing	4
ICI13Z	Tropical Dendrology	3
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
LPX25E	Forest Ecology	5
LDX01E	Forest Dendrology, Genetics and Tree Breeding	5
ICI05E	Agroforestry	5
ICI06E	Economic Botany	5
LDX21E	Classification of Vegetation	6
ZBX13E	Surveying	6
IXI03Z	Diploma Thesis - Research Design	3
	<b>Optional subjects:</b>	
RTX11Z	Summer Sports	1
	<b>2<sup>nd</sup> year</b>	
LTX02E	Harvesting, Timber Transport and Wood Processing	5
ZBX03E	Water Resource Management	5
ZGX02E	GIS	5
ZBX02E	Irrigation and Drainage	6
LOX01Y	Forest Protection in TS	3
ICI28Z	Agroforestry Systems	3
IXI04Z	Diploma Thesis - Data Analysis	5
LPX01Z	Silviculture in TS	3
IXI05Z	Diploma Thesis - Submission	15
	<b>Optional subjects:</b>	
RTX10Z	Winter Sports	1
ICI22Z	Multipurpose Tree Species	3

Subject Code	Subject Name	ECTS
LPX21E	Special Forest Plantations	6
LHX03E	Forest Inventory	5
IAI40E	Biodiversity Conservation and Protected Areas	5
LXX10Z	Forests and their use in various countries I.	4
LXX11Z	Forests and their use in various countries II.	4
ICI02E	Plant Tissue Cultures	5
IUI62E	Organic Waste Management	5
ICI12E	Management of (sub-)Tropical Land-use Systems	4

(\*) Optional subjects: Please consult with study programme directors for availability

## 18. Master in ANIMAL AND FOOD SCIENCE IN TROPICS AND SUBTROPICS

The programme is opened for BSc graduates in study areas such as Animal Production, Crop Production and Agricultural Specialisation. BSc graduates with a solid background in biology, zoology, genetics and plant sciences are of course also welcomed. Students will acquire advanced knowledge of animal production, animal husbandry, animal nutrition and animal products processing in the tropics and subtropics (TS). Special focus is given on rural development in TS, together with safety and security in the food chain. Graduates will be able to apply their acquired professional knowledge and skills in animal production and the food processing industry in the entire agrarian sector, finding new and up to date solutions to problems in animal breeding and nutrition, as well as product and waste management. They will also acquire a solid background in norms and standards, as well as legal guidelines, associated with animal breeding in the tropics and subtropics. Graduates will have advanced knowledge in theoretical agronomical and veterinary disciplines, based on the current state of scientific knowledge. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Faculty of Tropical AgriSciences [www.ftz.czu.cz](http://www.ftz.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Prof. MVDr. Daniela Lukešová, CSc.

**Phone:** +420 224 382 506 Fax: +420 234 381 829

**E-mail:** [lukesd@ftz.czu.cz](mailto:lukesd@ftz.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

**Direct line:** +420 22438 2496

**Fax:** +420 23438 1829

**e-mail:** [hummelova@ftz.czu.cz](mailto:hummelova@ftz.czu.cz)



## Syllabus MSc in Animal and Food Science in Tropics and Subtropics (Programme code N4106)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
<b>1<sup>st</sup> year</b>		
IAl01E	Large Farm Animal Husbandry in TS I (cattle, buffaloes, yaks, antelopes)	5
IAl05E	General Epizootology and Prevention of Domestic Animal	5
IAl41E	Resource Ecology: soil – plant – animal interactions	5
IAl42E	Processing and Interpretation of Biological Data	5
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
IAl11E	Human Nutrition and Prevention of Food-borne Diseases in TS	5
IAl04E	Large Farm Animal Husbandry in TS II . (camels, llamas, horses, donkeys, elephants)	5
IAl06E	Domestic Animal Nutrition and Feeding in TS I.	5
AVI06E	Reproductive Biology and Endocrinology	5
IAl34Z	Practical Training	5
IXI03Z	Diploma Thesis - Research Design	3
<b>Optional Subjects</b>		
IAl29E	Game ranching	5
AEA22E	Aquaculture	5
IAl40E	Biodiversity Conservation and Protected Areas	5
IAl27E	Population Dynamics of Animals	5
IAl10E	Behavioural Ecology	5
IAl34E	Methods in Animal Ecology and Ethology	5
IAl13E	Breeding of Indigenous Animal Species in TS	5
IUI52E	Principles of Food Preservation	5
IAl01Z	Wildlife Management Fieldwork	2
RTX11Z	Summer Sports	2
<b>2<sup>nd</sup> year</b>		
IAl14E	Small Farm Animal Husbandry in TS I. (pigs, poultry, rabbits)	5
AQA27E	Milk and Dairy Products Quality and Processing	6
IAl16E	Domestic Animal Nutrition and Feeding in TS II.	5
AGI04E	Genetics and Breeding of Livestock	6
IXI04Z	Diploma Thesis - Data Analysis	5

Subject Code	Subject Name	ECTS
IAI17E	Small Farm Animal Husbandry in TS II. (sheep and goats; crossbreeding)	5
IUI53E	Quality Storage and Processing of Meat Products	5
IXI05Z	Diploma Thesis - Submission	15
<b>Optional Subjects</b>		
RTX10Z	Winter Sports	2
AVI07E	Management of Livestock Reproduction	5
ICI29E	Quality, Storage and Processing of Plant Products	5
IEI03E	Development and Poverty Reduction Strategies	5
IAI54E	Compound Feed Production and Feed Additives	5
IAI55E	Game Utilization in TS	5
ICI19E	Tropical Pastures and Fodder Crops	5
IAI56E	Comparative Animal Nutrition	5
IUI62E	Organic Waste Management in TS	5

(\*) Optional subjects: Please consult with study programme directors for availability

## 19. Master in WILDLIFE MANAGEMENT IN TROPICS AND SUBTROPICS

The study programme offers BSc graduates (preferably with a strong background in animal sciences) further education in the field of biodiversity conservation and management of wild animals in tropics and subtropics. Studies focus on improving theoretical knowledge in the main educational areas, as well as on practical farm management, ranching, management of development projects oriented to biodiversity conservation, management of wild animals and sustainable use of natural resources in tropics and subtropics. Graduates have a critical awareness of the problems relating to their area of study, and interactions with other areas, such as zoology, physiology, genetics and ethology. They have advanced knowledge of the principles of animal science as well as conservation. They acquire professional skills in the field of wildlife management in tropical and subtropical areas and systems support. They are able to make decisions as heads of creative teams at the intermediate and top management level. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Faculty of Tropical AgriSciences [www.ftz.czu.cz](http://www.ftz.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Assoc. Prof. RNDr. Pavla Hejzmanová, Ph.D

**Phone:** +420 224 382 506 **Fax:** +420 234 381 829

**E-mail:** [hejzmanova@ftz.czu.cz](mailto:hejzmanova@ftz.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

**Direct line:** +420 224 382 496

**Fax:** +420 234 381 829

**e.mail:** [hummelova@ftz.czu.cz](mailto:hummelova@ftz.czu.cz)

**e-mail:** [hummelova@ftz.czu.cz](mailto:hummelova@ftz.czu.cz)

## Syllabus MSc in Wildlife Management in Tropics and Subtropics (Programme code N4106)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
	1 <sup>st</sup> year	
IAI40E	Biodiversity Conservation and Protected Areas	5
ICI04E	Tropical Phytocoenoses	5
IAI25E	Special Zoology in TS	5
ZGX02E	GIS	5
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
IAI10E	Behavioural Ecology	5
IAI13E	Breeding of Indigenous Animals Species in TS	5
IAI26E	Wildlife Feeding in TS	5
IAI01Z	Wildlife Management Fieldwork	2
IXI03Z	Diploma Thesis - Research Design	3
	Optional Subjects	
IAI42E	Processing and Interpretation of Biological Data	5
IAI41E	Resource Ecology: soil – plant – animal interactions	5
ICI05E	Agroforestry	5
IAI34E	Methods in Animal Ecology and Ethology	5
AVI06E	Reproductive Biology and Endocrinology	5
IAI55E	Wild and ZOO Animals Capture and Care	5
ICI06E	Economic Botany	5
RTX11Z	Summer Sports	2
	2 <sup>nd</sup> year	
IAI27E	Animal Population Dynamics	5
IAI05E	General Epizootology and Prevention of Animal Diseases in TS	5
IAI29E	Game Ranching	5
IXI04Z	Diploma Thesis - Data Analysis	5
IAI36E	Game Utilization in TS	5
IXI05Z	Diploma Thesis - Submission	15

Subject Code	Subject Name	ECTS
<b>Optional Subjects</b>		
RTX10Z	Winter Sports	1
AVI07E	Management of Livestock	5
IAl54E	Compound Feed Production and Feed Additives	5
AGI05E	General Molecular Biology	5
ICI19E	Tropical Pastures and Fodder Crops	5
IAl56E	Comparative Animal Nutrition	5

(\*) Optional subjects: Please consult with study programme director for availability

## 20. Master in TROPICAL CROP MANAGEMENT AND ECOLOGY

The programme is open for BSc graduates with a strong background in crop management and/or ecology. Subjects include agroforestry, fruit production and viticulture, as well as core subjects such as botany, chemistry and agriculture ecology. Emphasis is given on advanced studies in crop production and environmental impact in tropical and subtropical agroecosystems. Students acquire advanced knowledge in production, processing and commercialization of tropical and subtropical crops, agroecological systems of farming in tropical and subtropical areas as well as scientific disciplines dealing with biodiversity, genetic resources, protection and conservation of tropical and subtropical plant ecosystems. They can use certain research methods and apply various exact procedures based on advanced theoretical knowledge of biology, genetics, physiology, plant protection etc. Students of “Tropical Crop Management and Ecology” will be well prepared for their professional career in tropical and subtropical countries in the fields of agronomy and agroecology. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Faculty of Tropical AgriSciences [www.ftz.czu.cz](http://www.ftz.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Assoc. Prof. Zbyněk Polesný, Ph.D.

**Phone:** +420 224 382 167 Fax: +420 234 381 829

**E-mail:** polesny@ftz.czu.cz

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

**Direct line:** +420 224 382 496

**Fax:** +420 234 381 829

**E-mail:** hummelova@ftz.czu.cz

## Syllabus MSc in Tropical Crop Management and Ecology (Programme code N4106)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
1 <sup>st</sup> year		
ICI01E	Cereals and Pulses	5
ICI16E	Plant Breeding and Genetic Resources Conservation	5
ICI03E	Special Crops	5
ICI04E	Tropical Phytocoenoses	5
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
ICI05E	Agroforestry	5
ICI06E	Economic Botany	5
ICI07E	Tuber, Oil and Fiber Crops	5
IXI03Z	Diploma Thesis - Research Design	3
ICI08Z	Diploma Thesis Seminary	2
Optional Subjects		
AMI02E	Agricultural and Environmental Microbiology	6
AEA17E	Agricultural Ecology	5
IAl40E	Biodiversity Conservation and Protected Areas	5
IUI60E	Farm Machinery for Plantation Crops	5
ZGX02E	GIS	5
ICI29E	Quality, Storage and Processing of Plant Products	5
API03E	Soil Conservation and Protection	6
ICI22Z	Multipurpose Tree Species	3
LPX25E	Forest Ecology	6
ZBX03E	Water Resources Management	6
ICI13Z	Tropical Dendrology	3
RTX11Z	Summer Sports	1
ICI08E	Bioactive Natural Compounds	4
ICI12E	Management of (sub-) Tropical Land-use Systems	4
ICI02E	Plant Tissue Culture	5
LPX20E	Silviculture	6
LPX01Z	Silviculture in TS	3

Subject Code	Subject Name	ECTS
AHI02E	Soil and Plant Relationship 2 <sup>nd</sup> year	6
ICI25E	Fruit Production and Viticulture	5
ICI26E	Tropical Horticulture and Floriculture	5
IXI04Z	Diploma Thesis - Data Analysis	5
ICI19E	Tropical Pastures and Fodder Crops	5
ICI20E	Vegetable Production	5
ICI09Z	Diploma Thesis Seminary	2
IXI05Z	Diploma Thesis - Submission	15
	<b>Optional Subjects</b>	
AMI02E	Agricultural and Environmental Microbiology	6
AEA17E	Agricultural Ecology	5
ICI28Z	Agroforestry Systems	3
IAl40E	Biodiversity Conservation and Protected Areas	5
IUI60E	Farm Machinery for Plantation Crops	5
ZGX02E	GIS	5
ICI29E	Quality, Storage and Processing of Plant Products	5
API03E	Soil Conservation and Protection	6
ICI22Z	Multipurpose Tree Species	3
LPX25E	Forest Ecology	6
ICI13Z	Tropical Dendrology	3
ZBX03E	Water Resources Management	6
AOA28E	Fundamentals of Plant Protection	5
RTX10Z	Winter Sports	1
IUI62E	Organic Waste Management in TS	5

(\*) Optional subjects: Please consult with study programme director for availability



## 21. Master in INTERNATIONAL DEVELOPMENT AND AGRICULTURAL ECONOMICS

The MSc programme International Economic Development has been designed for graduates of the BSc programme Agricultural Specialisation, or for BSc graduates with a solid background in economics, international relations and agricultural or environmental sciences. The programme offers advanced studies in management and international cooperation with developing countries and meets the goals of the Millennium Development Programme (MDP), approved by the UN General Assembly in September 2000. Students acquire advanced knowledge and professional skills as well as critical awareness of the problems relating to their area of studies and interactions with other areas, such as development economics, international trade and marketing, econometrics, sociology, rural development, project management, rural extension and international financing. Graduates will be well prepared for a professional career in developing countries, in the agro-industry sector, in the service sector, in the processing industry, in education and jobs related to international and non-governmental organizations. Their specialised knowledge is enhanced by basic knowledge of international developmental organizations and NGO, microfinancing, specifics of regional studies of African, Asian and Latin American regions, international law, diplomacy and other social sciences. Erasmus exchange students can enrol for one or two semesters.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator (malatakova@rektorat.czu.cz ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Faculty of Tropical AgriSciences [www.ftz.czu.cz](http://www.ftz.czu.cz)

**Programme duration:** 2 academic years (120 ECTS)

**Programme director:** Ing. Vladimír Verner, Ph.D.

**Phone:** +420 224 382 502 E-mail: [verner@ftz.czu.cz](mailto:verner@ftz.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

**Direct line:** +420 224 382 496

**Fax:** +420 234 381 829

**E-mail:** hummelova@ftz.czu.cz

## Syllabus MSc in International Development and Agricultural Economics (Programme code N4106)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
1 <sup>st</sup> year		
IEI01E	Civil Society and Inter-Governmental Organizations	5
IUI69E	Project Management and Planning in DC	5
EEI01E	Econometrics	5
ICI30E	Tropical Crop Production	5
IEI03E	Development and Poverty Reduction Strategies	5
IEI19Z	Scientific Seminar	1
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
ICI06E	Economic Botany	5
IEI05E	Developing Countries in International Trade	5
IEI17E	Agriculture Policy	5
IEI20Z	Scientific Seminar	2
IXI03Z	Diploma Thesis - Research Design	3
Optional subjects:		
AEA22E	Aquaculture	5
IUI51E	Renewable Energy Resources for the Rural Tropics	5
IEI22E	International Finance - Theory and Policy	5
IEI25E	Quantitative Methods in Development Economics	4
IUI14E	Rural Sociology and Demography in DC	5
IEI06E	Marketing of TS Products	5
EHI03E	Rural Development	5
IUI66E	Personal Security and Risk Management	4
IUI11E	First Aid for Development Workers	2
RTX11Z	Summer Sports	1
2 <sup>nd</sup> year		
IEI02E	Economics of Farming Systems	5
IUI61E	Rural Communication and Extension	5
IEI27E	Microfinancing and Rural Economics	5
IEI21Z	Scientific Seminar	1

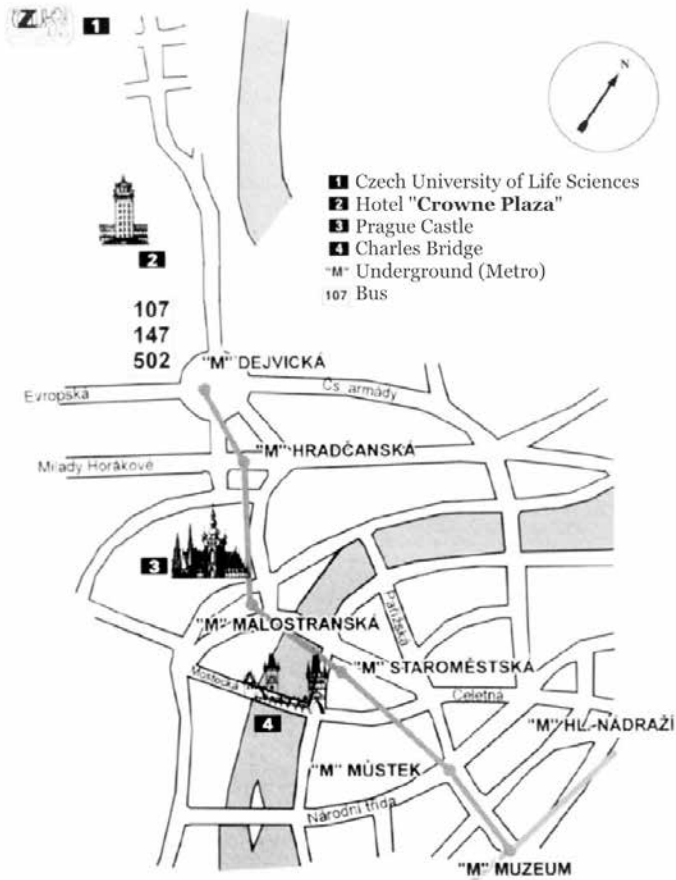
Subject Code	Subject Name	ECTS
IAI41E	Resource Ecology: Soil-Plant-Animal Interactions	5
IXI04Z	Diploma Thesis - Data Analysis	5
IEI24E	Management in International Development	5
IEI22Z	Scientific Seminar	1
IEI25Z	Practical Training	5
IXI05Z	Diploma Thesis - Submission	15
<b>Optional subjects:</b>		
IEI26E	Monitoring and Evaluation	5
IEI18E	Fair Trade and Ethical Business in International Trade	4
RTX10Z	Winter Sports	1
IEI23E	Agricultural Market Information and Services	5
EJI01E	International Law	5
IEI28E	Human Resources in Multicultural Environment	5

(\*) Optional subjects: Please consult with study programme director for availability





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