

# STUDENT GUIDE



CZECH  
UNIVERSITY  
OF LIFE SCIENCES PRAGUE

# ACADEMIC YEAR 2012/2013



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*Thinking without studying is empty  
and studying without thinking is futile.*



**Jan Ámos Komenský – Comenius (1597–1670)**

# 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  
Dean + Vice-Deans

FACULTY  
of Agrobiology,  
Food and Natural  
Resources  
Dean + Vice-Deans

FACULTY  
of Agrobiology,  
Food and Natural  
Resources  
Dean + Vice-Deans

FACULTY  
of Environmental  
Sciences  
Dean + Vice-Deans

FACULTY  
of Forestry and  
Wood Sciences  
Dean + Vice-Deans

INSTITUTE  
of Tropics and  
Subtropics  
Director

INSTITUTE  
of Education and  
Communication  
Director



# FOREWORD

## ***Dear colleagues, dear students.***

*Thank you for choosing the Czech University of Life Sciences Prague (CULS) as a destination for your studies and/or research, either for a few weeks, a short term mobility scheme, such as that offered in the framework of the LLP ERASMUS programme, or for long term graduate studies at one of our Faculties or Institutes. CULS is one of the top universities in the Czech Republic and international cooperation is top priority for us. CULS has signed more than 150 bilateral agreements with universities throughout Europe and 80 universities around the world. CULS is a member of several international university networks, including the prestigious Euroleague for Life Sciences (ELLS) [www.euroleague-study.org](http://www.euroleague-study.org)*

*International students are traditionally a great asset for our academic community. For them, as well as for local students, CULS offers this academic year 6 BSc and 16 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 more than 1 000 international degree students from 86 countries. In the academic year 2011 – 2012 we hosted 350 LLP ERASMUS students from all around Europe. We are particularly pleased with the presence of students from Central Asia coming to CULS within the framework of the ERASMUS Mundus Action 2 CASIA, students from South East Asia coming to CULS in the framework of ERASMUS Mundus Action 2 EURASIA2, as well as Russian students studying at CULS in the framework of ERASMUS Mundus Action 2 IAMONET-RU. Last but not least, we are happy to host students from the USA and from Canada, coming to CULS for exchange*

*studies and/or for the traditional Summer School for American students, organised by the Faculty of Economics and Management for the past 20 years. Together with hundreds of universities throughout Europe, this year CULS will also celebrate the 25th anniversary of the LLP ERASMUS programme.*

*I am confident that studies at CULS 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 Dendrology and Forest Tree Breeding
2. Department of Forestry Economics and Management
3. Department of Forest Harvesting
4. Department of Forest Management
5. Department of Forest Protection and Game Management
6. Department of Silviculture
7. Department of Wood Processing

## **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

## **INSTITUTE OF TROPICS AND SUBTROPICS (ITS)**

1. Department of Animal Science and Food Processing in Tropics and Subtropics
2. Department of Economic Development
3. Department of Sustainable Technologies
4. Department of Crop Sciences and Agroforestry in Tropics and Subtropics

## **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: **5**

Institutes: **2**

Departments: **60**

Academic Staff (professors, assistants, lecturers & support staff): **1327**

Enrolled students: **24 000** (Academic year 2011 – 2012)

International students: **1 350** (Academic year 2011 – 2012)

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

Number of BSc study programmes/fields of studies: **67**

Number of MSc study programmes/fields of studies: **77**

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

Number of BSc study programmes taught in English: **6**

Number of MSc study programmes taught in English: **16**

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

LLP ERASMUS outgoing students: **320** (Academic year 2011/2012)

LLP ERASMUS incoming students: **351** (Academic year 2011/2012)

First courses in agricultural sciences in Bohemia and Moravia, then part of what had been known as the Austro-Hungarian Empire, were held at the Philosophical Faculty of Prague's Charles University as early as 1776. On 17 December 1812 a new Chair of agricultural sciences was established at Prague's School of Polytechnics. First courses in forestry sciences were delivered in 1848. The modern history of our university starts with the establishment of the Department of Agricultural and Forestry Sciences at the Czech Polytechnics University in 1906. The first Dean of this newly established Department was Professor Stoklasa, an eminent scholar and a pioneer of agrobiolgy. The Department organised a comprehensive four year graduate study programme. Though WWI postponed any further developments, once national independence was granted to Czechoslovakia in 1918, a new chapter in the history of our university would start. In 1920, a thorough restructuring of the Czech Polytechnics University took place and the Department of Agriculture received the status of a University College. The University College of Agriculture and Forestry (VSZL), was part of the new Czech Technical University in Prague (CVUT).

The Department of Forestry was established as part of the CVUT already in 1919. The VSZL used to be situated in a large mansion in Prague's central Vinohrady district. Lack of space for faculty members, staff and students soon became a problem. In 1932, a plan for a new building was drawn and finalised. Four years later, in 1936, the VSZL moved to its new location in Dejvice, in the close vicinity of CVUT. During the tragic years of Nazi occupation most Czech universities were closed down.

After WWII, when a communist led coup established a Stalinist dictatorship in Czechoslovakia (1948), many professors and students, who were not in line with the totalitarian regime, were expelled. On 8 July 1952 the VSZL became a state university, the University of Agriculture (Vysoká škola zemědělská, VSZ). On the one hand, generous support given by the communist government to agricultural education benefited the VSZ. On the other hand, the implications of the process of agricultural collectivisation remain, from the so-

biological as well as economical point of view, a controversial issue. Until approximately 1959, most of the VSZ curricula had been geared towards teaching students collectivistic and centrally planned methods of agriculture, very similar to the curricula taught in the former Soviet Union. The Faculty of Forestry remained part of the CVUT from 1952 to 1959. Only after a transitional period of two years did it become part of the VSZ Prague. Later it was transformed into a scientific institute for forestry research. In the 1960's the VSZ grew in size and by 1965 it was moved to a newly built campus in Suchbát, a small township about six kilometres from downtown Prague, on its north western outskirts.

The “Velvet Revolution” (1989) ushered a free and democratic era in higher education in Czechoslovakia. Degrees and recognition of studies were awarded retroactively to unjustly expelled and persecuted students. Professors expelled from the university during the communist era were fully rehabilitated. After the peaceful partition of Czechoslovakia into Czech Republic and Slovak Republic, universities in the Czech Republic were awarded the status of public higher education institutions (HEI), financed by the Czech Ministry of Education, Youth and Sport higher education section (Act 111/1998). The financing of public HEI in the Czech Republic would henceforward be based on per capita indicators (numbers of students, including international students), quality of research and development (RD), scientific publication outputs and academic excellence. All study programmes and fields of studies are accredited by the State Accreditation Commission of the Czech Ministry of Education, Youth and Sports HEI section. However, the conception and implementation of accredited study programmes/fields of studies depend on the university's legislative body.

As far as the recent development of our university is concerned, in 1997 The Faculty of Forestry became once again part of our university and moved to the Suchbát campus. In January 1995 VSZ was renamed, by a Czech Governmental Act, to Česká zemědělská univerzita v Praze (ČZU), 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.





1. Exchange students (LLP ERASMUS, ERASMUS MUNDUS, TEMPUS, etc.) can apply for a period of either 1 semester or 1 academic year. Applications for the winter semester (or for the entire academic year) must be submitted by 15 June 2012, applications for the summer semester must be submitted by 15 November 2012.
2. We require originals of these documents:
  - 1x Application
  - 2x Learning Agreement
  - 1x Transcript of Records (listing all subjects studied by the student at his/her home university in the past academic year)Forms can be downloaded at <http://www.czu.cz/en/?r=962>
3. 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 an official document – Learning Agreement – which must be filled out in 2 copies and signed by the Departmental and Institutional Coordinators of the sending university. Together with the Transcript of Records and Application Form, the Learning Agreement must be sent to CULS incoming student coordinator (contact below) before departure.
4. In order to fulfil LLP ERASMUS requirements students must acquire a total of 30 ECTS per semester, or 60 ECTS per academic year.
5. 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. Without a Transcript of Records issued by CULS, fulfilling all the ECTS requirements, study results will not be recognised by the sending university.

## **Documents should be sent to:**

Ing. Jitka Malatakova – LLP ERASMUS Incoming student coordinator

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

Fax: +420 224 382 070

# 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.” 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.”. The standard study period is 2 years.
- 4.** The Doctoral (PhD) study programmes are meant for scientific research and independent creative activities within the framework of research and development. The graduate is awarded the academic title “PhD”. 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 sessions examinations (re-sit) and enrolment to higher study levels. The study period is divided into the winter and the summer semester. The duration of one semester is 14 weeks.  
The last semester of the BSc or MSc programme has 10 weeks. The examination periods follow the winter/summer semester study periods and usually last 5 weeks. It is compulso-

ry for students, during the examination period following each semester, to attend at least one examination in each subject. A student who has not registered for examination in due time is qualified as having failed.

**7.** There are two (2) forms of study attendance: 1) daily attendance and 2) distance attendance. For students registered as daily attendants the presence at seminars and exercises 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 and for the academic staff and other employees taking part in the pedagogical activities carried out at the CULS, its faculties and higher education institutes within the framework 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 another session. However, a maximum of two second-session examinations is allowed.

**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 the CULS for another Higher Education Institution (HEI) in the Czech Republic or abroad, change faculties within the CULS, choose another study programme or study form. If and how such a request will be treated will be assessed and consequently decided upon by the Dean of the respective 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.** Czech students and students within the Erasmus Exchange programme do not pay any tuition fees at CULS Prague. Czech students pay an enrolment fee of CZK 550 at enrolment. Exchange students are exempt and do not pay an enrolment fee.

**18.** International applicants enrolling as degree students in one of the English Study Programmes offered by CULS Prague are expected to pay a tuition fee, which will be determined by the faculty in which they enrol. The tuition fee usually amounts to EUR 3 500 per academic year, for BSc and MSc programmes, and a maximum of EUR 7 500 for PhD programmes per academic year.

The tuition fee may be waived for students who come to study at CULS Prague within specific EU development programmes, such as Erasmus Mundus, Tempus etc. Foreign students from the above mentioned regions who wish to enrol in one of the Czech language study programmes are also exempt from paying a tuition fee.

For detailed information on CULS Prague Study and Examination rules consult your study adviser, or go directly to: **[www.czu.cz/dokumenty/studijni-rad/en](http://www.czu.cz/dokumenty/studijni-rad/en)**

# STUDY PROGRAMMES STRUCTURE

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 taught entirely 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>Ecological Agriculture</b> Ecological 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> Agriculture, Horticulture and Rural Development Animal Production Crop Production Market and Ornamental Gardening Rural Development Quality of Agri Products Plant Protection
<b>B4147</b>	<b>Sustainable Use Natural Resources</b> Sustainable Use Natural Resources
<b>B4161</b>	<b>Agriculture and Food</b>

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

<b>Code</b>	<b>Study programme title</b> Fields of studies
<b>N4103</b>	<b>Animal Science</b> Animal Science Special Breeds Animal Nutrition and Dietology
<b>N4102</b>	<b>Crop Science</b> Crop Science Plant Nutrition and Protection
<b>N4152</b>	<b>Plant Protection</b> Plant Protection
<b>N4150</b>	<b>Genetics and Breeding Sciences</b> Plant Breeding Animal Breeding Biotechnology of Reproduction
<b>N4149</b>	<b>Rural Development and Agriculture</b> Farm Management Farming Rural Development
<b>N4145</b>	<b>Farm Products Quality and Processing</b> Plant Products Quality and Processing
<b>N4151</b>	<b>Care of Biosphere</b> Waste Use and Management Sustainable Biosphere Development
<b>N4146</b>	<b>Soil Assessment and Protection</b> Soil Assessment and Protection
<b>N4153</b>	<b>Natural Resources and Environment</b> Natural Resources and Environment
<b>N4163</b>	<b>Sustainable Agriculture and Food Security</b>

**PhD Study programmes (3 – 4 years)**

<b>Code</b>	<b>Study programme title</b> Fields of studies
<b>P4102</b>	<b>Crop Science</b> General Crop Science Special Crop Science
<b>P4103</b>	<b>Animal Science</b> General Animal Science Special Animal Science
<b>P4106</b>	<b>Special Agricultural Sciences</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)

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

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

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

### PhD Study Programmes (3 – 4 years)

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
N6208	<b>Economics and Management</b> <i>Management</i> Sector Economics and Economics of Enterprise Management <i>Sector Economics and Economics of Enterprise Management</i>
P6209	<b>Systems Engineering and Informatics</b> Information Management

## FACULTY OF ENGINEERING

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

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

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

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

### PhD Study Programmes (3 – 4 years)

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



## FACULTY OF ENVIRONMENTAL SCIENCES

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

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)

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

## PhD Study Programmes (3 – 4 years)

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)

Code	Study programme title Fields of studies
B4132	<b>Forestry</b> Forestry Forestry Management and Administration Wildlife Management Game Management
B3341	<b>Wood Sciences</b> Wood Sciences

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

Code	Study programme title Fields of studies
N4107	<b>Forestry Engineering</b> Forestry Engineering Forestry Water and Landscape Management Tropical Forestry and Agroforestry
N3301	<b>Wood Engineering</b> Wood Engineering

## PhD Study Programmes (3 – 4 years)

Code	Study programme title Fields of studies
P4107	<b>Forestry Engineering</b> Silviculture Forest Protection and Game Management Dendrology and Forest Tree Breeding Forest Management Technology and Mechanisation in Forestry
P6208	<b>Economics and Management</b> Management and Economics of Enterprise

## INSTITUTE OF TROPICS AND SUBTROPICS

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

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)

Code	Study programme title Fields of studies
N4106	<b>Agricultural Specialisation</b> Sustainable Rural Development in Tropics and Subtropics Animal and Food Sciences in Tropics and Subtropics International Economic Development 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)

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)

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

# 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.

A similar summer school for students from Portugal has been organised for the past four years by the Faculty of Economics and Management.

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

Interested students from Portugal please visit: **[www.iscte-summerschool.cz](http://www.iscte-summerschool.cz)**

**Summer Schools Director:** PhDr. Vlastimil Cerny CSc.,MA, E-mail: [cerny@pef.czu.cz](mailto:cerny@pef.czu.cz)

## 2. Erasmus Intensive Language Course (EILC) - Czech Language

The Department of Languages at the Faculty of Economics and Management provides an intensive Czech language course designed specifically for Erasmus students coming to study in the Czech Republic. The course duration is four weeks, usually before the start of the academic year (August/September). It is focused on obtaining basic communicative, listening and writing skills as well as the ability to read and understand simple written texts and to gain step by step knowledge of the spoken language. At the same time the students get further information about the background of the Czech speaking culture.

**Interested students may contact the course director:**

PhDr. Mgr. Milena Dvořáková,

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

Visit at: **[www.pef.czu.cz/eilc/](http://www.pef.czu.cz/eilc/)**

# 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 for exchange student programmes 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 LLP/ ERASMUS programmes must be nominated by the study adviser (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 five 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).

### Step by step guide:

1. Fill in online and print out the Application Form (download from [www.czu.cz](http://www.czu.cz))
2. Fill in online and print out a Transcript of Records which details all your University

results prior to applying for study abroad. CULS international office and your home university will not consider your application without this transcript (download from [www.czu.cz](http://www.czu.cz))

3. Print out and complete the Learning Agreement (download at [www.czu.cz](http://www.czu.cz) ) based on subjects chosen from our Study programmes curriculum. The Learning Agreement must be signed by 2 representatives from your University (Departmental and Institutional coordinator). Please note that your Study Programme will be finalised only upon your arrival.

4. Complete online and print out a Reservation for Accommodation (download from [www.czu.cz](http://www.czu.cz) ) if you wish to be accommodated at our student dormitories. In case you have made provisions for private accommodation you must supply a copy of your rental agreement.

5. As soon as all above mentioned formalities are completed, your exchange study coordinator (ERASMUS coordinator) will send your forms by postal delivery to:

Czech University of Life Sciences Prague

International Relations Office

Kamycka 129

165 21 Prague 6 Suchbát

Czech Republic

(Note: Send the documents also to the fax Nr: **+420 224 382 070**)

***The deadlines for submission of applications 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***

6. When the Application Form, Transcript of Records & Learning Agreement from your home university have been assessed, we will send you an official Letter of Acceptance from our university. When you arrive in the Czech Republic, your Learning Agreement will be confirmed and stamped and you will be able to send a copy to your home institution.


## ONLINE REGISTRATION

Incoming exchange students as well as international degree students must register in the CULS electronic online registration system. They will receive an ID login and password from their CULS incoming student coordinator. 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”).

## VISA REGULATIONS

 Visa Regulations for incoming students:

Students from the EU do not need a visa. All students (also from EU) must register with the foreign police in Prague after their enrolment at CULS.

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 in your country of origin. The short term visa is issued by the Czech Embassy or Czech Consulate in your country of origin 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/re-

search 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 from your country of origin (this document is compulsory and must be translated into Czech by a translator with an official stamp).

### **IMPORTANT NOTE:**

**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.**

### **4. 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.

# AFTER YOUR ARRIVAL

## 1. ARRIVING IN PRAGUE

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

Prague's Ruzyně Airport is located 15 km west of the city centre. You can make your way from the airport to our campus by city bus, airport shuttle, or taxi. CSA operates an airport shuttle bus to and from its office in central Prague with the only stop at Dejvická Metro station. It leaves every 30 minutes from 7:30 to 19:30. The shuttle costs CZK 60 for the 30-minute trip. Even cheaper is city bus No. 119, which brings passengers from the airport to the Dejvická Metro station. The bus ticket costs only CZK 32.-. The 119 bus ends at Dejvická, the travel time to Dejvická is about 30 minutes. At Dejvická, take bus number 107 or 147 to the bus stop Zemědělská univerzita. The stops are announced on the public address system on the bus.

### **Coming by train**

Passengers travelling to Prague by train come to two central stations: Wilsonovo–Hlavní nádraží (Wilson Main Railway Station) or nádraží Holešovice (Holesovice Railway Station). Both are on line C of the Metro system. Wilson's 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. At Dejvická, take bus number 107 or 147 to the bus stop Zemědělská univerzita. Coming by international bus you will arrive at the Bus Terminal Florenc, which is also on line C of the Metro system. Take a Metro train to Muzeum station and there you can transfer to the Metro Line A to last station Dejvická. At Dejvická, take bus number 107 or 147 to the bus stop Zemědělská 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 in 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. 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. Students arriving after office hours will be accommodated by the receptionist, and they will register on the next day.

The office hours at our dormitories are: Mon-Fri: 8:00 – 15:30.

To check-in you need: your passport, two photographs, and to fill in some forms. You'll have to pay insurance against damage and loss and for the accommodation for the rest of month.

## **2. Orientation Week**

The 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 are invited to join the orientation programme. It is not compulsory, but it is very helpful.

Incoming ERASMUS students can get information on the orientation week from CULS incoming ERASMUS student's coordinator:

Ing. Jitka Malatakova, E-mail: [malatakova@rektorat.czu.cz](mailto:malatakova@rektorat.czu.cz)

## **3. How do I enrol in my study programme?**

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.

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

When you have registered at our university, you must also register yourself with the foreign police office. Registration is compulsory for all foreigners, including EU citizens, staying in the Czech Republic for more than 3 months. You will be instructed about this matter also during the orientation week. Please note, that failing to register with the foreign police may cause trouble to you and to CULS Prague.

#### 5. Information on the academic calendar

The academic year is divided into two semesters.

Each semester is divided into:

14 week course period, during which the students attend 5 - 6 different course units.

3–5-week examinations period.

#### Winter (Autumn) Semester

##### Orientation week:

24. 9. 2012 – 27. 9. 2012

##### Course period:

Start 1. 10. 2012

End 21. 12. 2013

##### Examination period

Start 2. 1. 2013

End 8. 2. 2013

##### Winter holidays

Start 22. 12. 2012

End 1. 1. 2013

#### Summer (Spring) Semester

##### Orientation week:

5. 2. 2012 – 8. 2. 2013

##### Course period:

Start 11. 2. 2013

End 3. 5. 2013

##### Examination period

Start 6. 5. 2013

End 1. 7. 2013

##### Summer Holidays

Start 2. 7. 2013

End 24. 9. 2013

# MAP OF GULS PRAGUE

1. Rectorate Building – Institute of Tropics and Subtropics
2. Aula - Graduation Hall
3. Faculty of Agrobiology, Food and Natural Resources
4. Faculty of Forestry Sciences
- 4a. Faculty of Environmental Sciences
- 4c. University Centre of Environmental Sciences
5. Faculty of Economics and Management
6. Faculty of Engineering
7. Student Dormitory/Hall of Residence A
8. Student Dormitories/Halls of Residence BCD
9. Student Dormitories/Halls of Residence EFG
10. Student Dormitories/Halls of Residence IJH
11. Student Canteen (Menza)
12. „Club C“ Pub
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.- 20. Departments of Plant and Crop production
21. Meteorological Survey Station
22. KB Bank & Staff Medical Centre
24. Teaching Pavilions
25. Cattle Breeding Trial Farmhouse
26. Study Information Centre (SIC), Central Library, University Cash Desk
27. University Garden Centre
28. Canine Behaviour & Training Centre



## **COSTS OF ROOMS: CZK 2 700.00 – 3 100.00 (EUR 100.00 - EUR 130.00).**

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. ACCOMMODATION**

Provided that you have sent your Reservation for Accommodation form to CULS incoming students' coordinator on time, your room will be booked at your arrival.

The Halls of Residence reception offices are opened 24h. On your arrival you will be requested to present your ID (or Passport) at the registration desk and then you will receive a key to your room and your bedding (sheet pillow cases and blanket). After you have moved to your allocated room you will sign an accommodation contract at the CULS Halls of Residence Cash Register Office, which is situated at ground floor of the CULS Halls of Residence Management Building (next to Dormitories BCD) (open on workdays only, from 8:00 to 15:30) and pay for your accommodation and your room internet connection.

## **REFUNDABLE DEPOSIT: CZK 3 500 (EUR 150)**

This refundable deposit should also be paid at the CULS Halls of Residence Cash Register Office, together with your accommodation and your room internet connection. In specific cases the payment of the deposit may be delayed for one month. 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 ) 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 on 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 deducted from your electronic wallet (see below in section CULS – ISIC Student Card and electronic wallet).

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

- JIH** – Kamýcká 1069, 165 21 Praha 6 Suchbát, Phone - 224 383 538 (reception desk)  
**G** – Kamýcká 1072, 165 21 Praha 6 Suchbát, Phone - 224 383 467 (reception desk)  
**EF** – Kamýcká 1071, 165 21 Praha 6 Suchbát, Phone - 234 381 846 (reception desk)  
**BCD** – Kamýcká 1071, 165 21 Praha 6 Suchbát, 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)

You will fill in an application for an ISIC Student Card and electronic wallet ONLINE together with the registration in your studies (see section Before Your Arrival). You will need an ID login and password and will have to upload your passport photo into the electronic registration system.

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).

Because 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 deducted from the balance in your electronic wallet. The card also offers you access to the CULS library, to the internet pavillions and functions as a key that opens the main door of the dormitories. Costs for using the washing machi-

ne will also be deducted from your electronic wallet. Some campus shops and restaurants accept payments with the ISIC Student Card and UEP. After enrolling in your study programme you will have to pay an activation fee of 300 CZK (15 EUR) as well as a registration fee of 250 CZK (10 EUR). The ISIC Student Card is delivered after your arrival at the central student cash register, situated at the Study and Information Centre (SIC).

### 3. MEALS

CULS has a modern and spacious dining hall (Menza) which offers meals three times a day. There is an offer of several kinds of meals for lunch (including a vegetarian dish), a salad bar and a choice of desserts, soft drinks and hot drinks.

The dining hall is closed on weekends and during holidays.

#### **Dining hall (Menza) opening hours and prices of meals:**

**Breakfast service:** 7:00 – 8:30 ( Tea, bread, rolls, butter, marmelade)

**Lunch service:** 11:30 – 14:00 (Choice of 5 different dishes)

**Dinner service:** 17:00 – 18:00 (Usually only 1 dish)

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

Full prices for meals (includes tea): 56 to 86 CZK (2 to 3 EUR)

Soups, salads, soft drinks (Cola, Fanta etc.), coffee and desserts are extra.

There is a small grocery shop on the ground floor of the dining hall which is open during weekdays from 7:00 to 18:00 (Closed on Saturdays and Sundays and on holidays)

## **4. HEALTH CARE**

### **4.1. EU Citizens**

Legal regulations concerning medical care for EU students involved in mobility programmes, such as LLP 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.

Before treatment they must present their EU insurance card AND a Certificate of insurance delivered by the Czech General Health Insurance Company (Všeobecná Zdravotní Pojišťovna or VZP.) This certificate is delivered free of charge at any VZP branch office. If you don't have this certificate you may have to pay (at least) CZK 600 for each visit at the doctor. There is a nominal fee of 30,- CZK to pay at each consultation.

(Note: Make photocopies of the certificate. They may come in handy).

### **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. They must make necessary provisions before they leave their country of origin. They also must get the above mentioned certificate of insurance from the Czech General Health Insurance Company. 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)

**On campus medics:** Generalist (only in emergencies) – Dr. Jirina Majerova, Phone 220 920 481; Mon, Tue, Thurs, Fri: 8:00 – 13:00; Wed. 13:00 – 18:00; Dentist: Dr. Čadková ; Phone: (224 38) 3442 - Open Mon 7:30 15:00; Tue 7:30 17:00; Wed 7:30 12:00; Thurs 7:30 15:00; Fri 7:30 15:00;

### Hospital na Homolce

Address: Roentgenova 2, Prague 5 (Bus Nr. 167 from Metro B station Anděl) 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)

### Private clinics: Canadian Medical Centre

Address: Veleslavinska 1, Prague 6; Phone 235 360 133; [www.cmc.praha.cz](http://www.cmc.praha.cz)

### Medicover –

Address: Na Perštýně 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 (lékarna). 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 (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; Štěfánikova - 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.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 and 20 and 50 CZK. The Czech crown is fully convertible.

**Exchange:** Never change currency on the street! The official exchange rates of the Czech National Bank can be consulted at [www.cnb.cz/en](http://www.cnb.cz/en). Current conversion rates at [www.kb.cz/en](http://www.kb.cz/en). It's best to visit one of the main banks (Česká Spořitelna, Komerční Banka, Česká Obchodní Banka) or its subsidiary office (Vítězné náměstí and Dejvická street in Prague 6) open usually 8:00 17:00 Mon-Fri. You may also see American Express (Václavské náměstí 56, Phone 222 800 237) and Thomas Cook (Národní 28, Phone 221 105 371).

**ATMs (Bankomats):** There are plenty of ATMs (Bankomats) in Prague, practically at every corner. There is an ATM next to the Dining Hall (Mensa) and at the KB bank at the entrance of the campus (near the bus stop). ATMs deliver local currency only. You may use any of the following cards: Master, Cirrus, Maestro, Eurocard, Visa and Visa Plus.

**Current prices:** A meal at the cheapest pub will cost you around CZK 80 drinks not included. At a restaurant you pay CZK 150 to 350 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 CZK 350 and 1800, tickets for an opera between CZK 300 and 1500. Hotel prices in Prague are relatively high, between CZK 1700 and 5000. Renting a private room can also be quite expensive (CZK 7000 to CZK 14 000 a month). The cheapest accommodation for incoming students is at the CULS Halls of Residence.

## 7. TRAVEL

**Public transports:** The public transport system in Prague is very cheap and reliable. For information about schedules and rates please consult **[www.mhd-praha.cz](http://www.mhd-praha.cz)**.

You can buy tickets at automatic dispensers, at stationery shops, newspaper stands etc. You must validate them before starting your journey. They are valid for 75 or 90 minutes. Monthly, quarterly and year passes are available at sale outlets of the Prague Metropolitan Transport Authority (MHD). A monthly pass for students currently costs only CZK 230 (approx. EUR 9). You will need a certificate that you are enrolled at CULS in order to benefit from this reduced student rate. The certificate is delivered by 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 travel-

ling by bicycle to or from the city centre is not at all recommended. 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.cd.cz](http://www.cd.cz) . For international information phone: 840 112 113. Eurail Passes for students are popular with US 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

**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, partnership with business and higher education, AIESEC has over 60 years of experience in developing high-potential students into globally minded responsible leaders. IESEC'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** 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)

**SU-CZU** The CULS Students Union (SU ZU) was founded in 2008. It is dedicated to inform students at CULS about relevant issues, coordinate events and communicate with CULS management.

Contact the SU-CZU president: E-mail: [su-czu@seznam.cz](mailto:su-czu@seznam.cz)

The Department of Sports promotes several student sport clubs (visit: [www.ktv.czu.cz](http://www.ktv.czu.cz) )

**CULS Football Club**

**CULS Ski Club**

**CULS Swimming Club**



# ACADEMIC FACILITIES

## **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, now fully computerised, 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/>**

Open 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

## CULS FARMS & ESTATES

### 1. CULS FORESTRY ESTATE (ŠLP Kostelec nad Černými lesy)

The Forestry Estate is situated in Kostelec nad Černými Lesy, a small town 40 km east of Prague. The offices and teaching facilities of the Forestry estate are located in a historical chateau. The estate comprises about 7000 hectares of forests, including a large arboretum. Students may stay at the Estate for two to three weeks, after each semester. Accommodation is provided. The estate is used by the Faculty of Forestry, Wildlife and Wood Sciences as well as some departments from other sections of CULS. The Faculty of Environmental Sciences students come here for the purpose of research and practical training. There are over 50 research sites, including silviculture, forest production, nature protection, hydrology and ecology. Staff and students of the Faculty of Agrobiology, Food and Natural Resources (FAFNR) conduct trial-production of fish in the university ponds (75 hectares). Wild game is monitored for various purposes by veterinary scientists from the FAFNR Department of Zoology.

### 2. CULS FARM ESTATE (ŠZP Lány)

The Farm establishment is situated in the village of Lány, about 30 km west of Prague. The university farm has nearly 3000 hectares of land. The establishment has four main functions:

- trial agricultural production, involving crops and cattle
- poultry production and meat processing
- pig production
- trial viticulture production (at Chloumek vineyards, near Mělník)

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 thesis.

# CONTACTS

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165 21 CZECH REPUBLIC

**www.czu.cz**

### **EU mobility programmes web links:**

Czech National Agency for European Programmes (ERASMUS, TEMPUS Etc.): **www.naep.cz**  
LLP ERASMUS Agency **[http://ec.europa.eu/education/lifelong-learning-programme/doc80\\_en.htm](http://ec.europa.eu/education/lifelong-learning-programme/doc80_en.htm)** , **[www.europa.eu.int](http://www.europa.eu.int)** , **[www.education.unesco.org](http://www.education.unesco.org)** , **[www.esn.org](http://www.esn.org)**

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# 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 Keppler, 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. No wonder that UNESCO has listed Prague's historical centre as one of the cultural heritages of mankind. Apart from being an attractive tourist destination, Prague has become 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 the following web sites:

**[www.prague.com](http://www.prague.com)**

**[www.prague-city.cz](http://www.prague-city.cz)**

**[www.prague.cz](http://www.prague.cz)**

# 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. Sněžka (1,602 m above the sea level) and the lowest point of elevation is near Hřensko 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, Kutná Hora, Český Krumlov, Telč, Lednice-Valtice area, Zelená Hora Church of St. John Nepomuk, Castle and gardens of Kroměříž, Holašovice, Litomyšl castle, Holy Trinity Column in Olomouc, Tugendhat Villa in Brno, The Jewish Quarter and St Procopius' Basilica in Třebíč.

### CZECH REPUBLIC - FACTS AND FIGURES

**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)

**Population density:** 130 inhabitants /sq. km

**Vital Indicators** (Census 2004): Live births per 1000 inhabitants 9.6;  
Deaths per 1000 inhabitants 10.5

**Life expectancy** (Census 2003): Males 72.0 years; Females 78.5 years



## CLIMATE

The Czech Republic has a transitional climate between maritime and continental characterized by hot, showery summers, cold, snowy winters and generally changeable conditions. On a typical day in Prague between June and August the maximum temperature is between 15C to 25C. Temperatures from December to February drop below freezing. Wide variations are common, with temperatures of +35C in summer and -20 in winter not being very unusual.

May and September often have cool, sunny weather, and are peak months for tourists. April and October are also good months to visit Prague.

For current weather conditions and forecast, use [www.pragueiguide.com](http://www.pragueiguide.com)

## 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

**November 1989** – fall of the Communist regime

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

**May 1st 2004** – Czech Republic becomes member of the EU.

Czech flag



Czech seal





# STUDY PROGRAMMES TAUGHT IN ENGLISH



# ACADEMIC YEAR 2012/2013

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## 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”. 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

**Programme organisation:** Faculty of Agrobiology, 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.,

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

	Winter semester
	Summer semester

Subject Code	Year of study / Subject	ECTS
	1st year	
TAA11E	Applied Mathematics	5
TBA03E	Applied Physics	6
AEA01E	Zoology	6
ACA09E	Inorganic and Analytical Chemistry	6
APA35E	Fundamentals of Geology	5
	Foreign Language	5
RTA01Z	Physical Training (Sport)	2
ESA07E	Fundamentals of Statistics	5
ACA07E	Organic Chemistry	6
AEA32E	Principles of Agroecology	4
ABA14E	General and Special Agricultural Botany	6
AEA01E	Zoology	6
AWA49Z	Practice (7 days)	3
	Foreign Language	5
AEA29E	Excursion, field training (2 days)	2
RTA01Z	Physical Training (Sport)	2
	2nd year	
APA38E	Soil Science	6
AMA11E	Fundamentals of Microbiology	6
EEA14E	Fundamentals of Economics I	5
AAA27E	Agricultural Systems	5
AAA25E	Basic Meteorology	6
	Foreign Language	5
ARA31E	Plant Production and Environment	6
ASA22E	Animal Production and Environment	6
	Compulsory optional subject I*)	
	Compulsory optional subject I*)	
AUA10Z	Practical Encyclopedia (10 days)	4
AUA26Z	Specialised Practice (25 days)	4

Subject Code	Subject Name	ECTS
	Foreign Language	5
AWA26Z	BSc Thesis	5
	Compulsory optional subjects I	
APA37E	Applied Cartography	6
ATA23E	Fundamentals of Turf and Lawn Management	5
AZA66E	Fundamentals of Landscape Architecture	4
LHX01E	Fundamentals of Forest Management	4
	Foreign Language	5
	3rd year	
APA41E	Hydrology and Hydrogeology	6
AZA67E	Fundamentals of Orchards and Urban Design	6
AHA33E	Waste Handling	6
AZA68E	Establishment and Maintenance of Greenery	5
AWA27Z	BSc Thesis	9
	Compulsory optional subjects II*)	
	Fully Optional subject **)	
AHA30Z	Excursion and Field Training (2 days)	2
	Fully optional subject**)	
AWA27Z	BSc Thesis	10
	Compulsory optional subjects II	
ERA16E	Management and Marketing	5
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4
EUA03E	Trade and Commerce	5
AGA44E	Fundamentals of Genetics	6
EEA16E	Environmental Economics	5
EEE43E	EU Integration Process in Agriculture	5

\*) chosen subjects from list of Compulsory optional subjects I

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

## 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 ones' own business venture.

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

**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.

E-mail: soukup@af.czu.cz

**Student Affairs:** Marie Kafková

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

	Winter semester
	Summer semester

Subject Code	Year of study / Subject	ECTS
<b>1st year</b>		
AAA25E	Basic Meteorology	6
AEA01E	Zoology	6
ACA09E	Inorganic and Analytical Chemistry	6
APA35E	Fundamentals of Geology and Hydrogeology	6
AMA11E	Fundamentals of Microbiology	6
	Foreign Language	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
AEA29Z	Excursions, Field Training	2
	Foreign Language	3
<b>2nd 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
AMA13E	Animal Nutrition	6
AGA44E	Fundamentals of Genetics	6
AUA10Z	Encyclopaedia of Agricultural Practices	4
AUA26Z	Specialized Practice	6
<b>3rd year</b>		
ALA30E	Animal Husbandry and Ethology	6
AZA09E	Horticulture	6
ARA45E	Field Crop Technology	6

Subject Code	Year of study / Subject	ECTS
	<b>Compulsory Optional Subject *)</b>	
	<b>Compulsory Optional Subject *)</b>	
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+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
APA37E	Applied Cartography	6
AZA66E	Fundamentals of Landscape Architecture	4
AZA67E	Fundamentals of Orchards and Urban Design	6
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4
ERA16E	Management and Marketing	5

\*) chosen subjects from list of Compulsory optional subjects

#### BSc. State exam (SE)

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

### 3. 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”. LLP Erasmus exchange students at BSc level can enrol for one or two semesters.

**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

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**ERASMUS & Exchange students coordinator:**

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

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
	1st year	
(**)	Mathematics	5
(**)	Politics	5
(**)	Agricultural Systems I	5
(**)	Psychology	5
(**)	Informatics	5
(**)	Introduction to Study	1
(**)	English for Academic Purposes	2
(**)	Physical Education	2
(**)	Mathematical Methods for Economics	5
(**)	Mathematical Methods for Statistics	5
(**)	Agricultural Systems II	5
(**)	Science, Philosophy and Society	5
(**)	Information Technologies	5
(**)	English for Business	2
(**)	Physical Education	2
	2nd year	
ENE27E	Fundamentals of Economics I	5
EREE2E	Fundamentals of Management	5
EUE42E	Fundamentals of Accounting	5
EEEB5E	Empirical Research in Economics	5
ZUE01E	Principles of Ecology	5
EJE33E	Fundamentals of Law	5
RTX09Z	Physical Training (Sport)	2
ENE35E	Fundamentals of Economics II	5
ETE49E	Information Systems	5
EUE43E	Trade and Commerce	5
EHEA4E	Introduction to Sociology	5
EEEE5E	Introduction to Environmental Economics	5
EHEA5E	Introduction to Political Science	5
RTX07Z	Physical Training (Sports)	2

Subject Code	Subject Name	ECTS
	3rd year	
EEEE7E	Business Economics	5
EREE1E	Natural Resources Management	5
ENE38E	Financial Economics	5
ELXA5E	Standards for Thesis Writing and Presentation	5
EHEA6E	Qualitative Methods	5
EXE05Z	Bachelor thesis	5
EEEE6E	Agricultural Economics	5
ERED9E	Fundamentals of Marketing	5
EPE03E	Fundamentals of Psychology	5
EXE14Z	Bachelor thesis defence	15

(\*\*) Subject codes to be determined

Optional courses in Czech Language for incoming ERASMUS students:

Czech language Erasmus - beginners; code **ELXZ1E**; 5 ECTS (taught in both semesters)

Czech language Erasmus - pre intermediate; code **ELXZ2E**; 5 ECTS (taught only in spring semester)

Czech language and culture; code **AWX01E**, 3 ECTS (taught in both semesters)



## 4. 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

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

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

E-mail: cerny@pef.czu.cz

**ERASMUS & Exchange students coordinator:**

Ing. Martin Kozák, Faculty of Economics and Management

Tel: +420 234 382 314

E-mail: kozakm@pef.czu.cz

## Syllabus BSc in Informatics (Programme code B6209)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
1st year		
EIE56E	Architecture of Computing systems	5
ETE1A1E	Algorithm Development	5
ERE8P8E	Management Theory	5
EAE55E	Mathematical Logic and Graphs	5
EJE37E	Fundamentals of Juridical Sciences	5
EXE31Z	Introduction to Studies	1
ELE17E	Foreign Language French	2
ELE18E	Foreign Language German	2
ELE26E	Foreign Language Spanish	2
RTE01Z	Physical Training (Sports)	2
EIE55E	SW Architecture	5
ETA2E	Programming	5
EIE95E	Data and Knowledge Modelling	5
EAE57E	Mathematics	5
EPEC3E	Psychology of Personality and Social Psychology	5
ELE17E	Foreign Language French	3
ELE18E	Foreign Language German	3
ELE26E	Foreign Language Spanish	3
RTE01Z	Physical Training (Sports)	2
2nd year		
EIE36E	Database Systems	5
ENE41E	General Economics	5
EIE67E	Component-based SW Development	5
EAE56E	Applied Mathematics for IT	5
	Optional Subjects 1.	5
ELE33Z	English for IT	2
ETE2AE	Operating Systems and Computer Networks	5
ETE1AE	Markup Languages	5
ESE48E	Statistics	5

Subject Code	Subject Name	ECTS
EAE58E	Operations Research and Systems Analysis	5
	Optional Subjects 2.	5
ELE33Z	Foreign Language English	3
	Bachelor Thesis	5
	3rd year Syllabus preview	
(**)	UNIX Operational Systems	5
(**)	Web Design	5
(**)	Economics for Entrepreneurs	5
(**)	Fundamentals of Accounting	5
(**)	Optional Subject 3.	5
(**)	Bachelor Thesis	5
(**)	Software Engineering	5
(**)	Project Management Methods	5
(**)	Statistical Software Systems	5
(**)	Bachelor Practice	5
(**)	Bachelor Thesis	10
(**)	Optional Subjects 1.	
	A) Human – computer Interaction	
	B) Administration and Processing of Geographic Data	See above
(**)	Optional Subjects 2.	
	A) e-government	
	B) Enterprise Information Systems	See above
(**)	Optional Subjects 3.	
	A) Mobile Software Development	
	B) Data Security	See above

(\*\*) Subject codes to be determined

Optional courses in Czech Language for incoming ERASMUS students:

Czech language Erasmus - beginners; code **ELXZ1E**; 5 ECTS (taught in both semesters)

Czech language Erasmus - pre intermediate; code **ELXZ2E**; 5 ECTS (taught only in spring semester)

Czech language and culture; code **AWX01E**, 3 ECTS (taught in both semesters)

## 5. 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. 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.

**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:** Associate Professor 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

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

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

Subject Code	Subject Name	ECTS
	1st year	
LXL02Z	Introduction to study in FFWS	1
LOL14Z	Introduction to Game Management	2
ZBL07Z	Ordering and Evidence of Land Resources	4
ZEL05E	General Ecology	4
LOL01Z	Forest Zoology I.	5
LPL05E	Forest Ecology	5
TAL05E	Mathematics	5
	Czech language (for international students)	
	foreign language (for Czech and international students)	2
RTL02Z	Sport and Physical Training	
LOL10E	Forest Zoology II.	5
ZVL11E	Environmental Chemistry	5
LDL03E	Dendrology	5
LHL03E	Biometrics	5
LHL10Z	Hunting - data processing	3
LTL01E	Game Management Legislation in European Union	4
-	Czech language (for international students)	
	foreign language (for Czech and international students)	2
RTL02Z	Sport and Physical Training	
LOL06Z	Forest Zoology II. – field seminar	1
ZOL04Z	Environmental Chemistry – field seminar	1
LDL04Z	Dendrology – field seminar	1
	2nd year	
AEL05E	Fishery and Fishpond Management	4
AVL02E	Veterinary Care of Game	5
LRL02E	Economy of Company FM	5
LOL27Z	Care of Game and Environment	5
-	Czech language (for international students)	
	foreign language (for Czech and international students)	2
LXL33Z	Bachelor thesis	1
RTL03Z	Sport and Physical Training	
AVL02Z	Veterinary Care of Game – field seminar	1
AEL05Z	Fishery and Fishpond Management – field seminar	1
LPL08E	Basic of Silviculture	5

Subject Code	Subject Name	ECTS
LDL05E	Phytosociology and Classification of Vegetation	5
LOL11E	Forest Protection (incl. Phytopathology)	8
AEL06E	Apiculture (Bee Keeping)	4
-	Czech language (for international students)	
	foreign language (for Czech and international students)	2
LXL29Z	Bachelor Thesis	1
RTL03Z	Sport and Physical Training	
AEL06Z	Apiculture (Bee Keeping) – field seminar	1
ARL10Z	Basic of Agriculture – field seminar	1
LHL12Z	Forest Mensuration – field seminar	2
LOL24Z	Forest Protection – field seminar	2
LHL19Z	Forest Management I. – field seminar	2
	Optional subjects	
LTL01Z	Game Structures and Equipments	2
LHL09E	Forest Management I.	5
ARL10E	Basic of Agriculture	2
LHL06E	Forest Mensuration	4
	3rd year	
LRL07E	Forest Valuation	4
LRL08E	Economic Aspects of Landscape Management	4
LOL21E	Typology of Hunting Districts and Game Management Planning	4
LOL23E	Hunting Cynology	4
LOL31Z	Hunting	4
LOL27E	Game management	5
LXL34Z	Bachelor Thesis	1
LRL02Z	Forest Valuation – field seminar	1
LOL20E	Marksmanship and Ballistics	5
LOL22E	Control System and Check Methods in Game Management	4
ATL04E	Bases of Grassland and Pasture Management	2
LOL25E	Game Preserves and Pheasantries	3
LXL01E	Bachelor Thesis	15
LOL26Z	Marksmanship and Ballistics – field seminar	1
LOL22Z	Game Preserves and Pheasantries – field seminar	1
	Optional subjects	
LTL03Z	Forest and Agricultural Politics in CR and EU	2
EUL04Z	Accountancy	4

## 6. 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. 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

**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:** Associate Professor Ing. Jiri Viewegh, CSc, [viewegh@fld.czu.cz](mailto:viewegh@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 BSc in Forestry (Programme code B 4132)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
	1st year	
(**)	Introduction to studies	2
(**)	Physiology and Anatomy for Forestry	5
(**)	Geology	5
(**)	Mathematics	4
(**)	* Field Seminar I - Geology	1
(**)	Czech Language for Foreign students/ Spanish Language for Czech students	2
(**)	Physical Training & Sports	2
(**)	Soil Sciences for Forestry	5
(**)	Dendrology	5
(**)	Forest Botany	6
(**)	Basic Meteorology	6
(**)	Surveying	4
(**)	Zoology	6
(**)	Czech Language for Foreign students/ Spanish Language for Czech students	2
(**)	Physical Training & Sports	2
(**)	* Field Seminar II – Soil Sciences for Forestry	1
(**)	* Field Seminar III – Dendrology	1
(**)	* Field Seminar IV – Forestry Botany	1
(**)	* Field Seminar V – Surveying	1
(**)	* Field Seminar VI – Zoology	1
(**)	* Field Seminar VII – Forest Climatology	1
	2nd year	
(**)	Entomology	6
(**)	Biometry	5
(**)	GIS in Forestry	5
(**)	Hydraulics	4
(**)	Forestry Mechanisation	3
(**)	Wildlife Management	5
(**)	Czech language for foreigners/ Spanish language for Czechs	2



## Syllabus BSc in Forestry (Programme code B 4132)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
(**)	Physical Training & Sports	2
(**)	Field Seminar I – Wildlife Management	1
(**)	Forest Ecology	5
(**)	Phytosociology and Classification of Communities	5
(**)	Forest Harvesting	3
(**)	Forestry Mensuration	5
(**)	Bachelor Thesis Preparation	1
(**)	Czech language for foreigners/Spanish language for Czechs	2
(**)	Physical Training & Sports	2
(**)	* Field Seminar II – Forest Ecology	1
(**)	* Field Seminar III – Phytosociology and Classification of Communities	1
(**)	* Field Seminar IV – Mechanization and Forest Harvesting	2
3rd year		
(**)	Forestry Economy	5
(**)	Wood Sciences	5
(**)	Forest Phytopatology	5
(**)	Silviculture I	5
(**)	Czech language for foreigners/ Spanish language for Czechs	2
(**)	Bachelor Thesis Preparation	1
(**)	Forest Protection I	6
(**)	Silviculture II	6
(**)	Forest Management I	6
(**)	Forest Wood Production	5
(**)	Bachelor Thesis	10
(**)	* Field Seminar I – Forest Protection I	1
(**)	* Field Seminar II – Forest Management I	1
(**)	* Field Seminar III – Silviculture I	1
(**)	* Field Seminar IV – Silviculture II	1

\* 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation.

*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 LLP ERASMUS exchange students.*

**Admission regulations for degree students:** Applicants enrolling as **degree students** are expected to pay an administration study fee of **15 000 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 manager:** Ing. Oldřich Výlupek, MSc, Faculty of Economics and Management  
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)

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

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
1st year		
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
Compulsory optional subjects		
EAE24E	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
ENE33E	World and European Economy	5
ETE44E	IT for e-business	5
EUE01E	Accounting	5

Subject Code	Subject Name	ECTS
	2nd year	
EEEB4E	Diploma Thesis Seminar	5
EXE18Z	Diploma Thesis Work Credit II	5
ENE26E	General Economics - International Economics	5
EREB2E	Marketing EM	5
EEE46E	Economics of Enterprises (MSc. - EM)	4
EREB4E	Strategic Management EM	4
	Compulsory optional subjects	
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
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

Optional courses in Czech Language for incoming ERASMUS students:

Czech language Erasmus - beginners; code **ELXZ1E**; 5 ECTS (taught in both semesters)

Czech language Erasmus - pre intermediate; code **ELXZ2E**; 5 ECTS (taught only in spring semester)

Czech language and culture; code **AWX01E**, 3 ECTS (taught in both semesters)

## 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. LLP 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) 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 **15 000 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 academic years (120 ECTS)

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

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


**ERASMUS & Exchange students' coordinator:**


Ing. Martin Kozák, Faculty of Economics and Management

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

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

## Syllabus MSc in Informatics (Programme code N6209)

 Winter semester

 Summer semester

Subject Code	Subject Name	ECTS
1st year		
EIE27E	Projecting of Information Systems	5
EIE28E	ICT Theory	5
ENE28E	General Economics III	5
EEEB8E	Econometrics	5
ESE34E	Statistical Data Analysis	5
ETE50E	Computer Networks	5
EREG1E	Strategic Marketing – INFOA	5
EIE53E	Database and Knowledge Information Systems	5
EIE54E	<b>B:</b> Software Implementation	5
EIE31E	<b>B:</b> Artificial Intelligence	5
ESE35E	<b>A:</b> Seminar in Computational Statistics	5
ETE51E	<b>A:</b> Security of IS	5
EXE18Z	Diploma Thesis Work Credit I	5
(**)	Optional Course	5
2nd year		
EAE45E	Logistic Systems	5
EIE32E	Systems Integration	5
EREF8E	Management	5
EIE49E	<b>B:</b> Information Engineering	5
ETE52E	<b>A:</b> Internet Technologies - Client Side	5
EXE18Z	Diploma Thesis Work Credit II	5
	Optional Course	5
EAE46E	<b>B:</b> Decision Support Systems	4
EEEF9E	Prognostic Methods	4
EIE50E	Quality Estimation of IS	4
ETE53E	<b>A:</b> 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation .

#### **Admission regulations:**

Applicants enrolling as **degree students** pay an administration study fee **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:** 2 years (120 ECTS)

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

**ERASMUS & Exchange students' coordinator:**

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

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

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1st year</b>		
EEEF1E	Economics of World Agriculture	5
ERE19E	Management	6
EHEA8E	Essentials of Diplomacy	5
ETEA3E	Communication and Information Resources	5
EEE64E	Econometrics	6
ELD03Z	Communication en Francais I	3
EXE31Z	Introduction to study	0
EED06E	Agrarian policy	5
ERED7E	Prognostics and Planning	4
EED07E	World Economics and its Institutions	4
EED08E	Economics of Production and Processing of Agricultural Products	5
EHEA9E	Foreign policy and International Relations	4
ELD02Z	Communication en Francais II	2
EXE16Z	Diploma Thesis work credit	5
<b>2nd year</b>		
ENE28E	General Economics III – International Economics	5
ERED6E	Marketing Management	5
EED04E	European Integration	5
ERE20E	Applied Strategic Management	4
EJD03E	Law Regulation of Integration Processes	4
ELD01Z	Communication en Francais III	2
EXE17Z	Diploma Thesis work credit II	5
	Economics of Farm	4
ERER4E	Personnel Management	5
EED01Y	World Trade with Agricultural Commodities	4
EREB5E	Regional Development	4
EXE18Z	Diploma Thesis work credit III	10
EXE12Z	Diploma Thesis Practice	4

Optional courses in Czech Language for incoming ERASMUS students:

Czech language Erasmus - beginners; code **ELXZ1E**; 5 ECTS (taught in both semesters)

Czech language Erasmus - pre intermediate; code **ELXZ2E**; 5 ECTS (taught only in spring semester)

Czech language and culture; code **AWX01E**, 3 ECTS (taught in both semesters)



## 4. Master in 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation.

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

**Programme duration:** 2 years (120 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

Faculty of Agrobiology, 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)

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

 Winter semester

 Summer semester

Subject Code	Subject Name	ECTS
<b>1st year</b>		
AAA19E	Advanced Meteorology	6
ACA06E	Environmental Analytical Chemistry	6
AEA17E	Agricultural Ecology	4
AMA09E	Agri and Environmental Microbiology	6
ESA05E	Applied Statistics	5
ZBX03E	Water Resources Management	6
AHA17E	Soil and Plant Relationship	6
AIA04E	Soil and Water Relationship	6
AIA04E	Field Training	2
APA19E	Soil and Chemical Relationship	6
AUA59Z	Practical Diploma Training	5
	Compulsory Optional Subject I *)	
AWA52Z	Excursions	2
AWA64Z	MSc. Thesis	6
<b>2nd year</b>		
APA21E	Soil Conservation and Protection	6
AIA05E	Hydrogeology for NRE	6

Subject Code	Subject Name	ECTS
	Fully Optional Subject ***)	
	Fully Optional Subject ***)	
	Fully Optional Subject ***)	
	Compulsory Optional Subject II**)	
	Compulsory Optional Subject I*)	
AWA63Z	MSc. Thesis	7+7
	Compulsory optional subjects I	
AIA08E	Hydrology for NRE	6
AIA12E	Survey for Soil and Water Relationship	6
	Foreign Language	5
	Compulsory optional subjects II	
ZBA06E	Water in Landscape	6
APA22E	Soil Taxonomy, Survey and GIS	6
AIA10E	Hydrometeorology	6
	Fully optional subjects	
AOA28E	Fundamentals of Plant Protection	5
AVA39E	Cell Biology	5
AOA29E	General Phytopathology for NRE	5
ADA21E	Poultry Management	5
ATA17E	Management of Turf and Lawn	5
ABA15E	Plant Physiology	5
AQA25E	Food Quality and Food Safety	5
AWX01E	Czech Language and Culture	3
AEA22E	Aquaculture	5
TBT05E	Agro-materials	6
AWA65Z	Project	7
AQA27E	Milk and Dairy Products Quality and Processing	6
AEA38E	Ichthyology	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
AIA10E	Hydrometeorology	6

Subject Code	Subject Name	ECTS
AIA13E	Crop and Irrigation Systems Management	6
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.

## 5. 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

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

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

**Programme Director:** Prof. Ing. Josef Soukup, CSc.

E-mail: soukup@af.czu.cz

**Student Affairs:** Marie Kafková

E-mail: kafkova@af.czu.cz

phone : (+420) 224 384 577

## Syllabus MSc Sustainable Agriculture and Food Security (Programme code N4163)

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
1st year		
ACA12E	Biochemistry	6
ABA15E	Plant Physiology	5
AVA43E	Animal Physiology	5
AGA47E	Experimental Design and Statistics	5
AIA15E	Agricultural Water Management	6
Compulsory Optional Subject I *)		
AHA17E	Soil and Plant Relationship	6
ASA47E	Livestock Management	6
ACA13E	Food Chemistry	6
Compulsory Optional Subject I *)		
AWA52Z	Excursions	2
AUA59Z	Practical Diploma Training	5
AWA64Z	MSc. Thesis	6
2nd year		
AQA25E	Food Quality and Food Safety	5
ACA06E	Analytical Chemistry	6
ARA46E	Crop Management Systems	6
Compulsory Optional Subject II		
AVA44E	Management of Reproduction in Livestock	6
AZA36E	Landscaping	6
EH103E	Rural Development	5
AMA14E	Food, Beverages and Food Additives	5
ARA42E	Alternative Agriculture	5
Compulsory Optional Subject II		
AWA63Z	MSc. Thesis	5+5

Subject Code	Subject Name	ECTS
<b>Compulsory optional subjects I</b>		
<b>1st year</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
<b>Compulsory optional subjects II</b>		
<b>2nd year</b>		
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
AIA14E	Management of Turf and Lawn	5
AIA13E	Hydropedology and Groundwater Protection	6
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

\*) Chosen subjects from Compulsory Optional Subjects I

\*\*) Chosen subjects from Compulsory Optional Subjects II

#### Fully optional subjects

Selected subject taught in English in a Study Programme offered at CULS

**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



## 6. 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 (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 Forestry and Wood Sciences, [www.fld.czu.cz](http://www.fld.czu.cz)

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

**Programme director:** Prof. 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, Fax: +420 234 381 822, 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
1st year		
LPX25E	Forest Ecology	6
ZBX03E	Water Resources Management	6
ZEL01E	Ecology and Ecological Methods	6
ZUL03E	Landscape ecological applications	6
LDL38Z	Forestry Frames in Different Countries II.	2
LDX19E	Forest Dendrology, Genetics and Tree Breeding	6
LDX21E	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
LPX25E	Forest Ecology (field lecture)	1
Optional subjects		
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
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

Subject Code	Subject Name	ECTS
	2nd year	
LHX17E	Forest Management	6
ZVL01E	Applied Hydraulics and Hydrology	6
ZUL01E	GIS for Forest and LM	6
LZX01E	Logging and Wood Processing	6
LHX17E	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
	Optional subjects	
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
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

## 7. Master in LAND and WATER MANAGEMENT

The MSc Land and Water Management is open for graduates from the BSc programme Landscape Engineering, or for BSc graduates with a solid background in mathematics, civil engineering and environmental sciences, desiring to acquire advanced knowledge and professional skills in land and water management. The entrance examination consists of English and a knowledge test concerning basic facts on water and land management, at bachelor level of study. Studies consist of compulsory subjects and research oriented field exercises. Their specialized knowledge is enhanced by applied statistics, GIS, management and economics, environment law and policy. Students can participate in solving real landscape and water related situations, flood management, revitalisation and restoration technology, ecology and policymaking in land and water management. Graduates are well qualified to apply their professional knowledge, using their highly specialised skills, for solving problems in the areas of research and innovation. Graduates can choose to continue their studies and research in a relevant PhD programme. They will find good opportunities for jobs in the sectors of environmental management, civil engineering, project planning companies, national and international organisations etc.

LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation.

**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
1st year		
ZVX03E	Applied Hydropedology	6
ZBX03E	Water Resources Management	6
ZGX05E	GIS for Landscape Management I	6
ZVX04E	Environmental Hydraulics	6
ZEX08E	Ecology and Ecological Methods	5
APZ03E	Environmental Soil Science	5
ZBX11E	Land Management	6
ZGX06E	GIS for Land Management II	6
ZGX07E	Hydroinformatics	5
ZUX01E	Landscape Nature Conservation	5
ZVX05E	Applied Hydrology	6
2nd year		
ZUX04E	Landscape and Ecological Applications	6
ZBX02E	Irrigation and Drainage	6
ZVX18E	Air Pollution	6
ZVX19E	Hydrological Modelling	6
(**)	Sustainable Agriculture	5
ZOX03E	Environmental Geochemistry	5
ZVX20E	Groundwater Flow and Contaminant Transport	6
LRX03E	Environmental Economics	5

(\*\*) Subject code to be determined

## 8. Master in ENVIRONMENTAL MODELLING

The MSc Environmental Modelling study programme is opened for students with a BSc degree in a relevant subject area, desiring to acquire advanced knowledge and professional skills in description of environmental processes focused on modelling of pollutant and contaminant transport in different environments, transport processes in atmosphere, soil, groundwater and surface water. The entrance examination consists of English and a knowledge test concerning mathematical modelling at bachelor level of study. All process description is combined with applied mathematics and informatics. The graduate will be prepared for the position as modeller and engineer of environmental processes within both national and international institutions. The study programme is taught in cooperation with the Faculty of Mathematics and Physics Charles University Prague, Czech Technical University Prague, the Institute of Thermomechanics of the Czech Academy of Sciences and the Danish Hydraulic Institute (DHI). Strong emphasis is given to research activities and in the preparation of an MSc thesis. Students are well prepared for analyzing the important environmental processes and focus on the application of various techniques for their modelling. Application forms for the 1st year of studies must be submitted by 15 May 2012. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**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
1st year		
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	Geochemistry	4
ZVX07E	Physical - Chemical Aspects of Processes in Environmental	4
LHX04E	Computer Modelling II.	5
ZVX10E	Groundwater Hydraulics	5
ZVX11E	Experimental Methods in Fluid Mechanics	5
ZVX12E	Numerical Methods	5
ZVX13E	Hydraulic Modelling	5
2nd year		
ZVX14E	Hydrological Modelling	5
ZGX11E	Random Processes	5
ZVX15E	Transport of Contaminants in Atmosphere	5
ZVX16E	Applied Hydropedology	6
ZOX01E	Special Hydrogeology	5
ZVX02Z	Semestral Project	3
ZVX17E	Flow in Atmospheric Boundary Layer	6
ZVX03Z	Applied Hydroinformatics	5

## 9. Master in NATURE CONSERVATION

The MSc in Nature Conservation study programme is opened for graduates from the BSc programme Applied Ecology, or BSc graduates with a background in ecology, biology and environmental sciences, desiring to acquire advanced knowledge and professional skills in nature conservation. The entrance examination consists of English and a knowledge test concerning basic facts of ecology at bachelor level of study. Students acquire comprehensive and profound theoretical and practical knowledge in biological and ecological areas (geology, zoology, hydrobiology, botany, dendrology, genetics, basic ecology and environment ecology) evolved by, e.g., conservation biology, biodiversity conservation, plant and animal ecology and applied hydrobiology. They acquire advanced knowledge on the diverse methods of conservation of the biosphere, water and landscape ecology, reclamation, watercourse revitalization, soil protection, ecological stress and sanitation technology, game management and environmental assessment. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**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
1st 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 Nature Conservation	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
2nd year		
ZEX09E	Conservation Biology	6
ZUX02E	EIA and SEA	5
LRX06E	Environmental Economics	5
LPX01E	Forest Ecology and Management	5
LOX05E	Game Management	5
ZUX03E	Wetlands Cons. and Management	6
ZEX10E	Conservation Policy	4
ZEX11E	Protected Areas Management	4
ZOX01Z	Palaeoecology	3
ZEX03Z	Conservation at the Global Scale	3
ZEX04Z	MSc Thesis Seminar	4

## 10. 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**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:**

Marie Malounová

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

Phone: +420 224 383 212

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

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
1st year		
TAT06E	Applied Mathematics	6
TBT02E	Applied Physics	6
ZEL01E	Ecology and Ecological Methods	6
TCT07E	Basic Applied Mechanics	6
IUI16E	Environmental Engineering in Agriculture	6
TBT05E	Agro-materials	6
See below	Compulsory Optional Subject I	6
See below	Compulsory Optional Subject II	6
TDT07E	Material Science	6
THT01E	Energy Supply and Electric Drives	6
Compulsory optional subjects I		
APA20E	Soil and Water Relations	6
TGT03E	Storage of Agricultural Materials	6
TGT22E	Process Engineering in Agri-food Industries	6
Compulsory optional subjects II		
AHA17E	Soil and Plants Relations	6
TET19E	Rural Engineering	6

Subject Code	Subject Name	ECTS
	2nd year	
TET09E	Automobiles and Tractors	6
TFT01E	Machines and Technologies in Plant Production	6
TGT01E	Technological Equipment of Buildings for Animal Production	6
ZUL03E	Landscape Ecological Application	6
See below	Compulsory Optional Subject III	6
TIT08E	Mobile Machinery Utilization	6
EEE68E	Environmental Economy	5
TJT01E	Logistic Management	6
TGT02E	Technological Equipment for Waste Management	6
TZT05Z	Diploma Thesis	7
	Compulsory optional subjects III	
APA21E	Soil Conservation and Protection	6
TGT48E	Brewing Czech Beer	6
TGT06E	Transport, Handling and Manipulation Machinery	6

## 11. 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Institute of Tropics and Subtropics, [www.its.czu.cz](http://www.its.czu.cz)

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

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

Phone: +420 224 382 306 Fax: 234 381 829, E-mail: [banout@its.czu.cz](mailto:banout@its.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova, Direct line: +420 22438 2517, Fax: +420 23438 1829

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

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

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
1st year		
IEI03E	Development Economics	6
IEI02E	Economics of Farming Systems in Tropics and Subtropics	6
ZBX03E	Water Resources Management	6
IEI06E	Marketing of Tropical and Subtropical Products	6
IUI14E	Rural Sociology and Demography in DC	6
IAI11E	Human Nutrition and Prevention of Food-Borne Diseases in TS	6
ICI08Z	Diploma Thesis Seminary	2
Optional subjects		
IUI24E	Management of Energy Resources in TS	5
IEI01E	Civil Society and Inter-Governmental Organizations	5
IAI13E	Breeding of Indigenous Animal Species in TS	5
IEI05E	International Trade in DC	6
ICI06E	Economic Botany	5
2nd year		
IUI04E	Introduction to Engineering	6
IUI09E	Project Management and Planning in Developing Countries	6
IUI16E	Environmental Engineering in Agriculture II	6
IEI11E	Banking and Financing	6
IUI23E	Rural Mechanization and Electrification in Tropics and Subtropics	6
IUI09Z	Diploma Thesis Seminary	2
Optional subjects		
ITI51E	Alternative Sources of Energy in TS	5
IEI09E	Agricultural Extension in TS	5
ZBI01E	Soil Water Regimes Regulation	5
ICI05E	Agroforestry	5
ITI55E	Farm Waste Management in TS	5

## 12. 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. LLP 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 (malatalkova@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 Institute of Tropics and Subtropics (ITS), [www.its.czu.cz](http://www.its.czu.cz)

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

**Programme directors:**

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

Dr. Bohdan Lojka (ITS) [lojka@its.czu.cz](mailto:lojka@its.czu.cz)

**ERASMUS & Exchange students' coordinator:**

Ing. Jana Hummelova

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

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
	1st year	
ZGX09E	Remote Sensing	4
LZX02E	Wood Science	5
ICI04E	Tropical Phytocoenoses	5
ICI13Z	Tropical Dendrology	3
LHX02E	Forest Management in TS	5
ICI03E	Special Crops	5
ICI06E	Economic Botany	5
LDX01E	Forest Dendrology, Genetics and Tree Breeding	6
LDX21E	Classification of Vegetation	6
LPX25E	Forest Ecology	5
ICI05E	Agroforestry	5
ZBX13E	Surveying	6



Subject Code	Subject Name	ECTS
	2nd year	
ICI21Z	Agroforestry Systems	3
LOX01Y	Forest Protection in TS	3
LTX02E	Harvesting, Timber Transport and Wood Processing	6
ZGX02E	GIS	5
ZBL02E	Irrigation and Drainage	6
ZBX03E	Water Resource Management	6
LPX01Z	Silviculture in TS	3
	Optional subjects	
LHX03E	Forest Inventory	5
ICI22Z	Multipurpose Tree Species	3
ICI02E	Plant Tissue Culture	5
IAI24E	Biodiversity Conservation and Protected Areas	6
IEI10E	Management of Development	6
IEI02E	Economics of Farming Systems in TS	6
IEI09E	Agricultural Extension in TS	
ABI04E	Special Botany and Plant Physiology	5
LPX21E	Special Forest Plantations	6
ITI55E	Farm Waste Management	5
ICI12E	Management of Tropical and Subtropical Land-use Systems	4

### 13. Master in ANIMAL AND FOOD SCIENCES IN TROPICS AND SUBTROPICS

The programme is open 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 welcome. Students will acquire advanced knowledge of animal production, animal husbandry, animal nutrition and animal product processing in the tropics and subtropics. 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 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. LLP 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 ) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Institute of Tropics and Subtropics, [www.its.czu.cz](http://www.its.czu.cz)

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

**Programme director:** Assoc. Prof. Daniela Lukesova, CSc.

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

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
	1st year	
IAI01E	Large Farm Animal Husbandry in TS I. (cattle, buffaloes, yaks)	6
IAI02E	Hygiene of Farm Animal Husbandry in TS	6
AGI04E	Genetics and Breeding of Livestock	6
IAI05E	General Epizootiology and Prevention of Domestic Animal Diseases in TS	6
IAI30Z	Scientific Seminar	1
IAI30Z	Scientific Seminar	1
IAI04E	Large Farm Animal Husbandry in TS II. (Camels, llamas, horses, donkeys)	6
IAI06E	Domestic Animal Feeding and Nutrition in TS I.	6
IAI03E	Food Quality and Certification in TS	6
AVI06E	Reproductive Biology and Endocrinology	5
	Optional subjects	
AGI05E	General Molecular Biology	5
IUI09E	Project Management and Planning in Developing Countries	6
IEI09E	Agricultural Extensions in TS	5
IAI10E	Behavioral Ecology	6
IAI21E	Compound Feed Production in TS	5
IAI11E	Human Nutrition and Prevention of Food- Borne Diseases	6
ICI19E	Tropical Pastures and Fodder Crops	5
IAI13E	Breeding of Indigenous Animal Species in TS	5

Subject Code	Subject Name	ECTS
	2nd year	
IAI14E	Pig and Poultry Husbandry in TS	6
IAI15E	Hygiene and Processing Technologies of Animal Products in TS	6
IAI16E	Domestic Animal Feeding and Nutrition in TS II.	6
AVI25E	Management of Livestock Reproduction	5
IAI31Z	Scientific Seminar	1
IAI31Z	Scientific Seminar	1
IAI17E	Sheep and Goat Husbandry in TS	6
IAI18E	Hygiene and Processing Technologies of Milk, Eggs and Other Animal Products in TS	6
	Optional subjects	
AGI06E	Molecular Genetics of Animals	5
IAI19E	Biofactors in Animal Nutrition	5
IAI20E	Health Prevention in TS	5
IAI21E	Compound Feed Production in TS	5

## 14. 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 preservation 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 preservation, 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 fauna 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Institute of Tropics and Subtropics, [www.its.czu.cz](http://www.its.czu.cz)

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

**Programme director:** Assoc. Prof. Daniela Lukesova, CSc.

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

	Winter semester
	Summer semester

Subject Code	Subject Name	ECTS
1st year		
IAI24E	Biodiversity Conservation and Protected Areas	6
ICI04E	Tropical Phytocoenoses	5
IAI25E	Special Zoology in TS	6
ZGX02E	GIS	5
IAI32Z	Scientific Seminar	1
IAI10E	Behavioural Ecology	6
IAI13E	Breeding of Indigenous Animal Species in TS	5
IAI26E	Wildlife Feeding in TS	6
IAI32Z	Scientific Seminar	1
Optional subjects		
ZEI01E	General Ecology	5
IEI01E	Civil Society and Inter-Governmental Organizations	5
IAI35E	Adaptation Biology of Animals in TS	5
ICI19E	Tropical Pastures and Fodder Crops	5
IAI34E	Methods in Animal Ecology and Ethology	6
AVI06E	Reproductive Biology and Endocrinology	5
ICI06E	Economic Botany	5
IAI55E	Wild and ZOO Animals Capture and Care	5

Subject Code	Subject Name	ECTS
	2nd year	
IAI27E	Population Dynamics of Animals	6
IAI05E	General Epizootology and Prevention of Domestic Animal Diseases in TS	6
IAI29E	Ranch Management and Economics	6
IAI33Z	Scientific Seminar	1
IAI36E	Game Utilization in TS	6
IAI33Z	Scientific Seminar	1
	Optional subjects	
IUI09E	Project Management and Planning in DC	6
IAI35E	Adaptation Biology of Animals in TS	5
AVI25E	Management of Livestock Reproduction	5
AGI05E	General Molecular Biology	5
ICI05E	Agroforestry	5
IAI03E	Food Quality and Certification in TS	6

## 15. 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. LLP 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) by submitting the standard documents, i.e. Application Form, Learning Agreement and Transcript of Records and Request for Accommodation

**Programme organisation:** Institute of Tropics and Subtropics [www.its.czu.cz](http://www.its.czu.cz)

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

**Programme director:** Assoc. Prof. Bohdan Lojka, Ph.D.

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

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
	1st year	
ICI01E	Cereals and Pulses	6
ICI02E	Plant Tissue Culture	5
ICI03E	Special Crops	5
ICI04E	Tropical Phytocoenoses	5
ICI05E	Agroforestry	5
ICI06E	Economic botany	5
ICI07E	Tuber, Oil and Fiber Crops	6
ICI08Z	Diploma Thesis Seminary	2
	Optional subjects (*)	
AMI02E	Agricultural and Environmental Microbiology E	6
AEA17E	Agricultural Ecology E	4
IUI60E	Farm Machinery for Plantation Crops M	5
LPX25E	Forest Ecology E	6
ICI13Z	Tropical Dendrology E	3
ICI14E	Chemoecology E	4
ITI55E	Farm Waste Management in TS M	5
IEI06E	Marketing of TS Products M	6
ZBX08E	Irrigation and Drainage M	6
ICI12E	Management of TS Land-use Systems M	4
ICI15E	Phytochemistry and Chemotaxonomy E	4
ICI16E	Seed Production and Genetic Resources M	5
LPX20E	Silviculture M	6
LPX01Z	Silviculture in TS M	3
AHI02E	Soil and Plant Relationship E	6

Subject Code	Subject Name	ECTS
	2nd year	
ICI17E	Fruit Production and Viticulture	6
ICI18E	Tropical Horticulture and Floriculture	6
ICI19E	Tropical Pastures and Fodder Crops	5
ICI20E	Vegetable Production	5
ICI09Z	Diploma Thesis Seminary	2
	Optional subjects (*)	
IEI02E	Economics of Farming Systems in TS M	6
ZUI01E	GIS for Forest and Landscape Management M	6
IUI09E	Project management and Planning in Developing Countries M	6
IEI09E	Agricultural Extension in Developing Countries M	5
ZBI02E	Water Resources Management M	6
ICI21Z	Agroforestry Systems E	3
ICI22Z	Multipurpose Tree Species E	3
IAI24E	Biodiversity Conservation and Protected Areas E	6
AOI07E	Pests and Diseases of Tropical Crops E	6
API03E	Soil Conservation and Protection E	6

## 16. Master in INTERNATIONAL ECONOMIC DEVELOPMENT

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. LLP Erasmus exchange students at MSc level can enrol for one or two semesters.

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**Programme organisation:** Institute of Tropics and Subtropics [www.its.czu.cz](http://www.its.czu.cz)

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

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## Syllabus MSc in International Economic Development (Programme code N4106)

 Winter semester  
 Summer semester

Subject Code	Subject Name	ECTS
<b>1st year</b>		
IEI01E	Civil Society and Inter-Governmental Organizations	5
IEI02E	Economics of Farming Systems in TS	6
EEI01E	Econometrics	5
IEI03E	Development Economics	6
IUI14E	Rural Sociology and Demography in Developing Countries	6
IEI05E	International Trade in Developing Countries	6
IEI17E	Agricultural Policy	5
IEI06E	Marketing of TS Products	6
ICI08Z	Diploma Thesis Seminary	2
<b>Optional subjects</b>		
ENE26E	International Economics	5
EEEE4E	Social Economy	5
IEI18E	Fair Trade and Ethical Business in International Trade	4
EJI01E	International Law	5
LRX01E	Environmental Economics	5
EHI03E	Rural Development	5
<b>2nd year</b>		
IUI09E	Project Management and Planning in Developing Countries	6
IEI09E	Agricultural Extension in TS	5
IEI07E	Microfinancing and Rural Economics	6
IEI10E	Management of Development	6
IEI11E	Banking and Financing	6
ICI09Z	Diploma Thesis Seminary	2
<b>Optional subjects</b>		
IUI59E	Regional Studies: CIS and Transitive Countries	4
EHI06E	Methods of Social Research	5
IEI14E	Regional Studies: South-East Asia	4
IEI15E	Regional Studies: Africa and Middle East	4
IUI58E	Regional Studies: Latin America and Caribbean	4

