



Study in Prague

www.studyinprague.cz

PRAGUE – AT THE CROSSROADS OF CULTURES



Prague, the capital of the Czech Republic, has been an important centre of culture and learning for over a thousand years. Its first university was established as early as 1348. It was the first university of its kind in central Europe. Famous European scholars of the late Renaissance, such as astronomers Tycho Brahe and Johannes Kepler, lived and worked in Prague. Throughout the 17th, 18th and 19th centuries many scholars and scientists of world renown held chairs at Prague's Charles University.

In the late 19th and early 20th century Ernst Mach and Albert Einstein held chairs at the Department of Theoretical Physics at the German University of Prague. French, German and particularly Italian architects, sculptors and garden designers, have given Prague a unique cosmopolitan flair. The Old Town, Charles Bridge, the Small Quarter, Prague Castle, all these masterpieces of late Gothic, Renaissance and Baroque architecture have been carefully maintained and protected by successive generations of rulers and monarchs, keeping the historical centre of Prague virtually untouched and perfectly preserved. UNESCO has listed Prague's historical centre as one of the cultural heritages of mankind. Apart from being an attractive tourist destination, a centre of arts and culture, Prague is also a prominent centre for higher education. At a crossroad between East, West, North and South, it is the ideal destination for anyone, who wishes to be part of a truly global experience.

For further information about Prague please consult the following web sites:

www.prague.com

www.prague-city.cz

www.prague.cz

www.praguealternativetours.cz

Czech flag



Official Seal





Dear students,

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

International students are a great asset for our academic community. For them, as well as for our local students, CULS offers this academic year 9 BSc and 20 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.

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

*Professor Ing. Jiri Balik, CSc, dr. h. c.
Rector*



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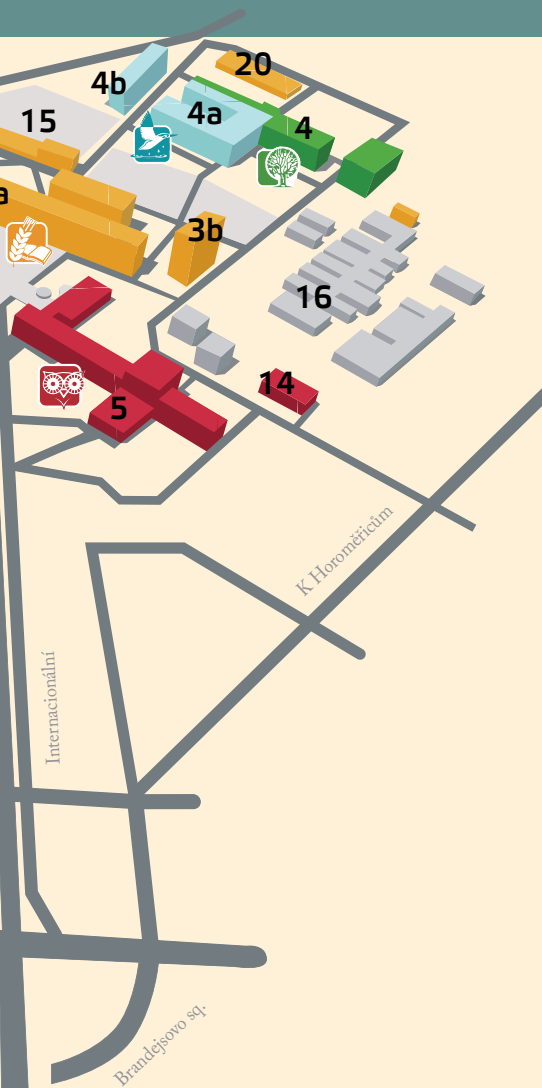
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ACADEMIC CALENDAR

WINTER (AUTUMN) SEMESTER	
Orientation week (Compulsory for Erasmus+ students)	26.09. - 30.09.2016
Start of winter semester teaching	03.10.2016
Registration of optional courses for summer semester - 1st round	31.10. - 06.11.2016
Registration of optional courses for summer semester - 2nd round	14.11. - 20.11.2016
Life Sciences Film Festival	17.10 - 21.10.2016
Week for completing requirements to be eligible for the exam (zápočet)	02.01. - 08.01.2017
Christmas and New Year holidays	19.12.2016 - 01.01.2017
Examination period	09.01. - 12.02.2017
Open doors day (possibility to visit university)	25.11.2016; 20 - 21.01.2017
Submitting of admission applications for academic year 2017-2018 (most fields of studies)	25.11.2016 - 31.03.2017
SUMMER (SPRING) SEMESTER	
Orientation week (Compulsory for Erasmus+ students)	06.02. 2017 - 10. 02. 2017
Start of summer semester teaching	13.02.2017
Career Days	23.02.2017
Registration of optional courses 2014/2015 1st round	10.04. - 16.04. 2017
Registration of optional courses 2014/2015 2nd round	24.04. - 30.04. 2017
Week for completing requirements to be eligible for the exam (zápočet); students finishing degree	17.04. - 23.04.2017
Examination period (students study final year of degree)	24.04.- 21.05.2017
Week for completing requirements to be eligible for the exam (zápočet); students continuing degree	01.05 - 07.05.2017
Examination period (students continuing degree study next year)	08.05. - 30.06.2017
Last day of examination sessions/passing the course requirements	08.09.2017

MAP OF CULS PRAGUE





1. Rectorate Building University Administration;
International Relations Office on 4th floor
(Erasmus+ Institutional Coordinator / Outgoing
and Incoming Erasmus+ Mobility Coordinators)
2. Aula - Graduation Hall
- 3a. Faculty of Agrobiology, Food and Natural Resources
- 3b. Annex Faculty of Agrobiology, Food and Natural
Resources
4. Faculty of Forestry and Wood Sciences
- 4a. Faculty of Environmental Sciences
- 4b. University Centre of Environmental Sciences
5. Faculty of Economics and Management
6. Faculty of Engineering
7. Student Dormitory/Hall od Residence A
8. Student Dormitories/Halls od Residence BCD
9. Student Dormitories/Halls od Residence EFG
10. Student Dormitories/Halls od Residence JIH
11. Student Canteen (Menza)
12. Faculty of Tropical AgriSciences
13. Sports Centre, Heated Swimming Pool
14. Department of Languages
15. Department of Veterinary Sciences
16. Greenhouses
17. University Cars and Buses Depot
18. Round Hall (Lecture Rooms K1 and K2)
19. KB Bank & Staff Medical Centre
20. Cattle Breeding Trial Farm
21. Study Information Centre (SIC)
Central Library, University Cash Desk
22. Trial and Experimental Fields
23. Canine Behaviour & Training Centre

Czech University of Life Sciences Prague (CULS) is one of the leading life sciences universities in Europe and a member of the Euroleague for Life Sciences www.euroleague-study.org. CULS educates qualified specialists and responsible leaders, who will be mindful of our environment, for the benefit of future generations.

CULS Prague was founded in 1906 and currently has:

- 6 Faculties
 - 1 Institute
 - 64 Departments
 - 2 500 academic staff (professors, assistants, lecturers & support staff)
 - 20 500 enrolled students (academic year 2015 – 2016)
 - 2 100 international students (academic year 2015 – 2016)
 - 390 ERASMUS+ outgoing students (academic year 2015/2016)
 - 420 ERASMUS+ incoming students (academic year 2015/2016)
-
- 71 BSc study programmes/fields of studies
 - 87 MSc study programmes/fields of studies
 - 75 PhD study programmes/fields of specialisation
 - 9 BSc study programmes taught in English
 - 20 MSc study programmes taught in English
 - 23 PhD study programmes/fields of specialisation in English

CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

FACULTIES AND DEPARTMENTS

FACULTY OF AGROBIOLOGY, FOOD AND NATURAL RESOURCES (FAFNR)

Departments:

- Agroecology and Biometeorology
- Agroenvironmental Chemistry and Plant Nutrition
- Botany and Plant Physiology
- Genetics and Breeding
- Husbandry and Ethology of Animals
- Chemistry
- Quality of Agricultural Products
- Quality of Agricultural Products
- Microbiology, Nutrition and Dietetics
- Plant Protection
- Soil Science and Soil Protection
- Forage Crops and Grassland Management
- Crop Production
- Animal Husbandry
- Veterinary Sciences
- Water Resources
- Horticulture
- Landscape Architecture
- Zoology and Fisheries

FACULTY OF ENVIRONMENTAL SCIENCES (FES)

Departments:

- Applied Geoinformatics and Spatial Planning
- Environmental Geosciences
- Ecology
- Land Use and Improvement
- Water Resources and Environmental

- Modelling
- Applied Ecology

FACULTY OF FORESTRY AND WOOD SCIENCES (FFWS)

Departments:

- Genetics and Physiology of Forest Trees
- Forestry and Wood Economics
- Forest Ecology
- Forestry Technologies and Construction
- Forest Management
- Forest Protection and Entomology
- Game Management and Wildlife Biology
- Silviculture
- Wood Processing
- Wood Products and Wood Constructions

FACULTY OF ECONOMICS AND MANAGEMENT (FEM)

Departments:

- Economic Theories
- Humanities
- Information Engineering
- Information Technologies
- Languages
- Trade and Accounting
- Systems Engineering
- Law
- Psychology
- Management
- Statistics
- Economics

FACULTY OF ENGINEERING (TF)

Departments:

- Electrical Engineering and Automation
- Physics
- Quality and Dependability of Machines
- Mathematics
- Material Science and Manufacturing Technology
- Mechanical Engineering
- Technological Equipment of Buildings
- Vehicles and Ground Transport
- Machinery Utilization
- Agricultural Machines

FACULTY OF TROPICAL AGRICSCIENCES (FTA)

Departments:

- Animal Science and Food Processing
- Economics and Development
- Sustainable Technologies
- Crop Sciences and Agroforestry

INSTITUTE OF EDUCATION AND COMMUNICATION (IEC)

Departments:

- Pedagogy
- Lifelong Learning and Study Support
- Professional and Personal Development

INFORMATION FOR INCOMING ERASMUS+

Application procedures

Templates of the bellow mentioned documents can be downloaded at
<http://www.czu.cz/en/?r=1715>

Application documents checklist:

Student Application Form (2x). You can apply for one semester (WS or SS) or for the whole academic year.

Learning Agreement (2x). The Learning Agreement must include blank pages and should include a filled out header with personal data. According to their current level of studies (BSc or MSc), exchange students should select subjects taught in one of the corresponding BSc or MSc study programmes taught in English at CULS Prague (see “Study Programmes in English” section of this Guide). Exceptionally, after consulting with the Erasmus+ coordinator, they can also select one or two subjects from a different study programme. Selected subjects must be written in the Learning Agreement, including the allocated ECTS credits. Credits for one semester should be a minimum 30 ECTS, 60 ECTS for an academic year. The Learning Agreement should be signed by the applicant, the ERASMUS+ coordinator and Department coordinator at the sending university.

Transcript of Records (1x). This official document is issued by the sending university and must be stamped and signed.

Reservation for accommodation (1x). Exchange students who require accommodation at CULS Halls of Residence/ Dormitories should also send this document (with photo). Students who require a student visa to enter Czech Republic must send a copy of their passport, in order that we can send a Confirmation of Accommodation to the Czech Embassy in their country of origin.

Submission of application documents:

All the documents must be filled out electronically (except the Learning Agreement) and submitted in printed form. The deadline for submitting Applications is 15 June 2016 for enrolment in the winter semester 2016 – 2017, and 15 November 2016 for enrolment in the summer semester 2016 – 2017.

STUDENTS (EXCHANGE STUDIES)

The submission deadline for students who require a student visa to enter Czech Republic is 1 June 2016 for enrolment in the winter semester 2016 – 2017, and 1 November 2016 for enrolment in the summer semester 2016 – 2017.

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

Czech University of Life Sciences Prague / ČZU v Praze

Ing. Jitka Maláťáková

Incoming Erasmus+ coordinator

International Relations Office

Kamýcká 129 / 165 21 Prague – Suchbát, Czech Republic

Letter of acceptance:

When we receive the application documents (by postal delivery from your home university International Relations Office - Erasmus+ Coordinator), we will assess the documents and subsequently send a Letter of Acceptance to your home university International Relations Office - Erasmus+ Coordinator. In case you did not receive a Letter of Acceptance, please contact malatakova@rek-torat.czu.cz

At the end of your ERASMUS+ studies at CULS, acquired grades and ECTS credits will be written in a Transcript of Records, issued by the CULS International Relations Office at the Rectorate, and signed by the Departmental Coordinator at the relevant CULS Faculty. Without a Transcript of Records issued by CULS, your study results will not be recognised by your home university.

INFORMATION FOR INTERNATIONAL

Application procedures

Applicants' diplomas must be recognised in the Czech Republic (i.e. students must receive a Certificate of Recognition of Diploma). Foreign university diplomas, or secondary school leaving diplomas, must bear an official apostille, issued by the Accreditation Agency in your home country.

Admission in degree studies at CULS is conditional to passing an entrance examination.

Standards duration of studies at CULS: BSc degree studies – 3 academic years; MSc degree studies – 2 academic years; PhD degree studies 3 – 4 academic years.

Electronic application for degree students is available at <http://prijimacky.czu.cz/>.

The confirmation on payment of enrolment fee must be submitted to the Study Office of the relevant Faculty before enrolment, i.e. before the start of the academic year.

For more information please contact the International Relations Office at the relevant CULS Faculty.

For visa and health insurance provisions please see the relevant section in Practical Information.



APPLICANTS (DEGREE STUDIES)

Submission of application	Online at http://prijimacky.czu.cz/?r=4558 by 31 March of each calendar year
Tuition fee & enrolment fee	<p>The payment of tuition fees is compulsory for all applicants who wish to study at CULS Prague in one of the BSc, MSc or PhD programmes in English. The tuition fees vary according to the chosen English programme. Generally, the tuition fee for BSc programmes in English is 2 000 EUR per academic year, for MSc programmes in English 3 500 EUR per academic year, and PhD programmes in English 5 000 EUR per academic year.</p> <p>The tuition fee and an enrolment fee (500 CZK) should be paid by bank transfer to the account of CULS Prague, before enrolment. Applicants in English study programmes who fail to pay their tuition fee before the start of an academic year will not be enrolled.</p>
Recognition of diplomas from previous studies	<p>International applicants for university studies in the Czech Republic must have their diplomas from previous studies in a foreign country recognised (nostrification). Diplomas issued in specific countries also require an official apostille from the educational ministry in the country where the diploma was issued. International applicants for degree studies in English must submit their diploma(s) translated by an official translator in to Czech language. Secondary school diplomas are submitted to the Prague Municipal Education Office for recognition. University diplomas are submitted to the Study Administration Office at CULS for recognition.</p> <p>Applicants for BSc studies must have a secondary school leaving diploma or equivalent (Maturita, A levels etc.)</p> <p>Applicants for MSc studies must have a BSc diploma or equivalent</p> <p>Applicants for PhD studies must have an MSc diploma or equivalent</p>
Entrance examination before enrolment	<p>BSc studies – mathematics, foreign language, relevant subject (e.g. chemistry, biology, general botany, physics, etc.).</p> <p>MSc studies – foreign language, relevant subject (e.g. chemistry, biology, statistics, mathematics, etc.)</p> <p>PhD – determined by the PhD supervisors</p>
Scholarships	<p>Enrolled BSc, MSc, and PhD students can apply for an accommodation subsidy/scholarship</p> <p>Enrolled BSc and MSc students with outstanding study results can be awarded a subsidy/scholarship</p> <p>Enrolled PhD students receive a PhD study scholarship</p> <p>CULS does not award scholarships to prospective students who are not enrolled at CULS</p> <p>Scholarships for international students are available through the Czech Ministry of Education, Sports and Youth, and other governmental or non-governmental organisations.</p>

ARRIVAL INFORMATION

Coming by plane

Prague's Vaclav Havel Airport is located 15 km west of the city centre. You can get to CULS campus either by bus and metro, or taxi. Bus No. 119 brings passengers from the airport (Terminal 1 and Terminal 2) to the Metro line A station Veleslavin. From there you will take the metro in direction of Skalka / Depo Hostivar, and get off at station Dejvicka. At Dejvická, take bus number 107 or 147 to the bus stop Zemedelska univerzita. The stops are announced on the public address system in the bus.

Coming by train

Passengers travelling to Prague by train come to two central stations: Hlavni nadrazi or Holesovice. You can get to Dejvicka by Metro Line C to station Muzeum and there you can transfer to the Metro Line A, direction Motol. At metro station Dejvická, take bus number 107 or 147 to the bus stop Zemedelska univerzita.

Coming by international bus

International passengers arrive at the Bus Terminal Florenc, which is on Metro line C and B. Take Metro line C train to Muzeum station and transfer to the Metro Line A direction Motol, get off at station Dejvicka. At Dejvicka, take bus number 107 or 147 to the bus stop Zemedelska univerzita.

Picking up service

If you require assistance to get to CULS campus from Prague Vaclav Havel airport or from the train station, please fill out the registration form at <https://my.esnculs.cz/register/international>. Erasmus Students can contact directly the CULS International Relations Office, Erasmus+ Incoming Students Coordinator malatakova@rektorat.zcu.cz

PRACTICAL INFORMATION

MONTHLY COSTS OF LIVING AT CULS CAMPUS

Accommodation at CULS Dormitories/Halls of Residence	
In room with 2 beds, shared bathroom & toilets:	130 EUR
Health insurance	75 EUR
Meals (Lunch & Dinner)	250 EUR
Monthly Student Pass (Metro, Tram, Bus)	10 EUR
Miscellaneous	100 EUR

CULS ISIC CARD AND ELECTRONIC WALLET (UEP)

Applicants for degree studies apply for their CULS ISIC Card and electronic wallet on the registration platform <http://prijimacky.czu.cz/>. The online registration platform is not for Erasmus+ exchange students. After registration the applicant will receive his/her personal ID login and password by e-mail, and will have to upload his/her passport photo online into the electronic registration system.

Erasmus+ exchange students apply for their CULS ISIC Card and electronic wallet after they receive a Letter of Acceptance. They will also receive an e-mail with login and password. Subsequently they will be asked to upload their passport photo online into the electronic system, using their login and password. The online registration platform is not for Erasmus+ exchange students. In case you have problems with the login, contact the CULS International Relations Office Erasmus+ Incoming Students Coordinator, Ing. Jitka Malatakova, malatakova@rektorat.czu.cz

After arrival at CULS, enrolled international degree students and Erasmus+ exchange students can collect their CULS ISIC Student Card and electronic wallet at the ISIC Card Centre situated on the 1st floor of the Study Information Centre (SIC), room 206. The costs for activation of the ISIC Card are 300 CZK (15 EUR), inscription fee is 250 CZK (10 EUR). The ISIC Student Card also functions as an electronic wallet (UEP) and can be re-charged with cash at several charging stations throughout the campus. A health insurance can be purchased online as an additional feature of the CULS ISIC card.

PRACTICAL INFORMATION

With an ISIC Card students can take their meals at the university refectory (Menza) without paying cash and at a reduced price. The costs for meals, refreshments from automatic dispensers, etc. are debited from the electronic wallet. The card allows access to the CULS library, to the internet pavilions and functions as a key that opens the main door of the dormitories. Costs for using the washing machine will also be deduced from the electronic wallet. Most on-campus shops and restaurants accept payments by CULS ISIC Student Card and UEP.

UNIVERSITY CASH DESK

All payments for accommodation, safety deposit, etc. are paid in cash or by card (VISA or MASTER) at the university cash desk situated on the ground floor of the of the Study and Information Centre (SIC). Payments for the CULS ISIC Card and insurance are also paid at the university cash desk,

CASH DESK OPENING HOURS MONDAY TO FRIDAY from 8:00 to 12:00 and from 13:00 to 15:00

PREPAID TIME TICKETS FOR PUBLIC TRANSPORT

Students who are younger than 26 and have a valid CULS ISIC Card can purchase a prepaid time ticket at the CZU shop on the ground floor of the refectory (Menza). A prepaid ticket for one month costs only 260 CZK, a 3 months ticket costs 720 CZK. Prepaid time tickets can also be purchased at the Metro stations Dejvická, Mustek, Muzeum, etc., by presenting a valid CULS ISIC Card or a confirmation form from our university. More information on the Prague Metropolitan Transport System can be found at <http://www.dpp.cz/en/fares-in-prague/>

ORIENTATION WEEK

The orientation week is organised one week before the start of each semester and is compulsory for incoming Erasmus+ students. It includes campus tours and several social events, giving our students the opportunity to meet new friends and settle in, before enrolling in studies. Attendants of the orientation week will also get detailed information about the registration and enrolment procedures.

Incoming ERASMUS+ students and other international students wishing to take part can get information about the orientation week from Ms Jitka Malatakova, malatakova@rektorat.czu.cz

REGISTERING WITH FOREIGN POLICE

EU citizen accommodated at the CULS Dormitories/ Halls of Residence, will be automatically registered with the foreign police by the CULS Halls of Residence management office.

Non EU students arriving to Czech Republic with a student visa (i.e. students from Turkey, Russia, Ukraine, Kazakhstan, Uzbekistan, India, Nepal, USA, South America, etc.) must inform the dormitory office and indicate the type and number of their student visa in the accommodation registration form. Only then can they be registered at the foreign policy by the CULS Halls of Residence management office.

For prolonging your student visa you must go to the foreigners' police:

Oddělení Migrační a Azylové, Pracoviště Hládkov 682/9

Praha 6 – Střešovice.

Contact telephone No. for making an appointment: 974 820 680

Office hours: Monday - Thursday: 8.00 – 16.00 (only with an appointment) Friday: 8.00 – 12.00 (only with an appointment)

CULS DORMITORIES & HALLS OF RESIDENCE

DORMITORY ROOMS FOR ERASMUS+ AND INTERNATIONAL EXCHANGE STUDENTS (short term residents).

Reservation of accommodation should be sent to CULS incoming Erasmus+ students' coordinator. If there is no more rooms available at CULS Dormitories, students will be notified on time.

PRACTICAL INFORMATION

DORMITORY ROOMS FOR INTERNATIONAL DEGREE STUDENTS

(long term residents)

Reservation of accommodation should be sent to the CULS dormitory office sornova@kam.czu.cz only after the applicant was accepted as a degree student at one of the Faculties of CULS.

HOTEL ROOMS FOR VISITING PROFESSORS AND GUESTS (short term residents)

Reservation of accommodation at one of the guest rooms of CULS Halls of Residence can be done either directly to the Halls of Residence Office (sornova@kam.czu.cz) or through the International Relations Office at the Rectorate, or at the relevant Faculty (see important contacts section). CULS Halls of Residence offer single or double rooms (with attached toilet&bathroom, TV and internet access).

REGISTRATION

All residents (short term and long term) must sign an accommodation contract.

Students must sign the accommodation contract during week days only (payment for accommodation is made at CULS central cash desk, situated on the ground floor of the Study and Information Centre).

MONTHLY COSTS OF ACCOMMODATION

CZK 2 700.00 – 3 700.00 (approximately EUR 100, 00 - EUR 150, 00)

Costs for accommodation include bed, pillow, blanket, sheets (for laundry service see below), heating, warm and cold water, local taxes and insurance.

Each room is equipped with basic amenities, i.e. writing desks and cupboards, reading lamps and cleaning equipment (broom, bucket etc.). Rooms are allocated according to availability.

REFUNDABLE DEPOSIT: CZK 3 500

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 00) per month

LAUNDRY SERVICE

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

ADRESSES and PHONE NUMBERS (CULS Halls of Residence):

A – Kamýcká 933, 165 21 Praha 6 Suchbát, Phone - 224 383 445 (reception desk)
JIH – Kamýcká 1280, 165 21 Praha 6 Suchbát, Phone - 224 383 538 (reception desk)
EFG – Kamýcká 1281, 165 21 Praha 6 Suchbát, Phone - 234 383 462 (reception desk)
BCD – Kamýcká 1283, 165 21 Praha 6 Suchbát, Phone - 234 383 382 (reception desk)
Visit the Dormitory web page at: www.kam.czu.cz

PRACTICAL INFORMATION

CAFETERIAS AND STUDENT REFECTORY (MENZA)

Breakfast

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

Lunch & dinner

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

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

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

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

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

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

HEALTH CARE AND EMERGENCY CONTACTS

EU Citizens Health Insurance

English speaking doctor

MUDr. Ms Sophie Gemperlová,

ul. Bílá 6,

Praha 6, tel.: 234606155

(Near Metro A Station Dejvická)

Emergency dentists (English speaking)

Městská poliklinika Praha:

Spálená 12, Praha 1 (tel.: 222 924 268)

Mon - Fri 19:00-7:00, Sat, Sun, holidays -

nonstop

(Near Metro B Station Narodni Trida)

Emergency Student Clinic

Městská poliklinika Praha,

Spálená 12,

Praha 1, tel.: 224 947 113

(Near Metro B Station Narodni Trida)

Hospital na Homolce – Address: Roentgenova 2, Prague 5 (Bus Nr. 167 from Metro B station Andel) Reception 24h service for EU/ Czech insurance card holders;
Phone: 257 272 522; Reception for Foreigners (Non EU insurance card holders); Phone: 257 272 144; www.homolka.cz

FNM Hospital in Motol – Medical Care for Foreigners
V Úvalu 84, 150 06 Praha 5 Phone: 224 431 111 www.fnmotol.cz/en

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

Medicover – Address: Na Perstýně 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 (Vítězné náměstí, Dejvická 31, Na Hutích 13, Jugoslávských partyzánů 20) and there is a 24 h service at pharmacies in downtown Prague (Opletalova - Prague 1; Na Příkopě - Prague 1; Štefánikova - Prague 5.)
Pharmacies generally open Mon-Fri 8:00 - 18:00; Sat 8:00 - 13:00.

PRACTICAL INFORMATION

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

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

Non EU Citizens Health Insurance

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

EMERGENCY LINE 112 (Communications in English)

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

FINANCES

Currency: Koruna (plural koruny) or crown, abbreviated Kč (CZK in banks). Each crown is divided into 100 halěr or hellers. Bank notes (100, 200, 500, 1000, 2000, 5000 CZK) bear a forgery-resistant silver strip and several watermarks. Coins in use are 1, 2, 5, 10, 20 and 50 CZK. Current prices: A meal at the cheapest pub will cost you around CZK 80 drinks not included. At a restaurant you pay 150 to 350 CZK for a complete menu. Drinks cost between CZK 25 and 75. Clothes cost more or less the same as in other EU countries. The price of a ticket to the cinema is from CZK 120 to 150, tickets to a concert cost between 350 and 1 800 CZK, tickets for an opera

between 300 and 1 500 CZK. Hotel prices in Prague are relatively high, between 1 700 and 5 000 CZK a night. Renting a private room can also be quite expensive (7 000 - 14 000 CZK a month). At several supermarkets in Prague it is also possible to pay in EUR (return money only in CZK)

TRAVELING IN AND AROUND PRAGUE

Public transports: The public transport system in Prague is very cheap and reliable. For information about schedules consult www.mhd-praha.cz or <http://dpp.cz> . You can buy tickets at automatic dispensers for 32 CZK or from the driver (only in buses and with a small surcharge. You must validate the ticket before starting your journey. Tickets are valid for 75 or 90 minutes. Monthly and quarterly (3 months) public transport travel passes can also be purchased at the CULS Shop (ground floor of the Mensa/Canteen).

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.

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 or <http://idos.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

PRACTICAL INFORMATION

origin. The Main Station is called Hlavní nádraží and you may reach it by Metro C (see public transport).

STUDENT ASSOCIATIONS

Erasmus Student Network (ESN CULS Prague) <http://esnculs.cz/>

A network of CULS students and volunteers, thrilled to meet new international people, and everyone coming to the Czech University of Life Sciences. ESN CULS Prague helps all the incoming students to settle down in the new environment and to meet new friends during many public events we organize. New in Prague? Don't know anyone yet? Want to meet new international friends? Join our events and subscribe to our Facebook Page!

AIESEC

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

Visit: www.aiesec.org <http://www.aiesec.cz/czu/>

IAAS

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

to improve the mutual understanding between countries and cultures.

Visit: http://www.iaas.cz/index_uk.html

ELSA

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

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

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

CULS Football Club

CULS Ski Club

CULS Swimming Club

UNIVERSITY FACILITIES

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, 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. The Department of Sports promotes several student sport clubs such as CULS Football Club, CULS Ski Club, CULS Swimming Club, etc.

UNIVERSITY LIBRARY – STUDY AND INFORMATION CENTRE (SIC)

SIC houses the CULS central library, 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 Desk (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.

UNIVERSITY LIBRARY (SIC) <http://www.sic.czu.cz/en/>

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

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

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

Small study rooms: 9:00 – 18:00

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

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

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

Contacts:

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

UNIVERSITY FARM & FORESTRY ESTATE

UNIVERSITY FARM (SZP Lany)

The university farm in the village of Lany, about 30 km west of Prague, has nearly 3 500 hectares of land and a dairy with several hundred cows. It offers accommodation and teaching facilities for students from all Faculties and is used for practical training and research. Classes are held in groups with teachers from the main campus. Students can use the farm facilities for work connected with their diploma or dissertation thesis. Contact: <http://www.lany.czu.cz/?lang=en>

UNIVERSITY FORESTRY ESTATE (SLP Kostelec n. C. I)

The forestry estate is in Kostelec nad Cernými Lesy, a small township 40 km east of Prague, comprises about 7 000 hectares of forests and 2 000 hectares of fish ponds. The central offices and teaching facilities are housed in a renaissance chateau from the 17th century. In close vicinity to the estate there is a large arboretum with several hundred species of rare trees and shrubs. Students may stay at the forestry estate for two to three weeks, after each semester. Accommodation is provided in the chateau or near the chateau. Contact: <http://www.slp.cz/english.htm>

IMPORTANT CONTACTS

Postal address:

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

CULS web pages:

www.czu.cz/en
www.studuj.czu.cz/en
www.hroch.czu.cz/en

EU mobility programmes links:

Czech National Agency for European Pro-
grammes (ERASMUS, TEMPUS Etc.) : www.naep.cz
ERASMUS Agency in Brussels - http://ec.europa.eu/education/lifelong-learning-programme/doc80_en.htm , www.europa.eu.int , www.education.unesco.org , www.esn.org

CENTRAL ADMINISTRATION OFFICES

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Head of CULS IRO

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Institute of Education and Communication

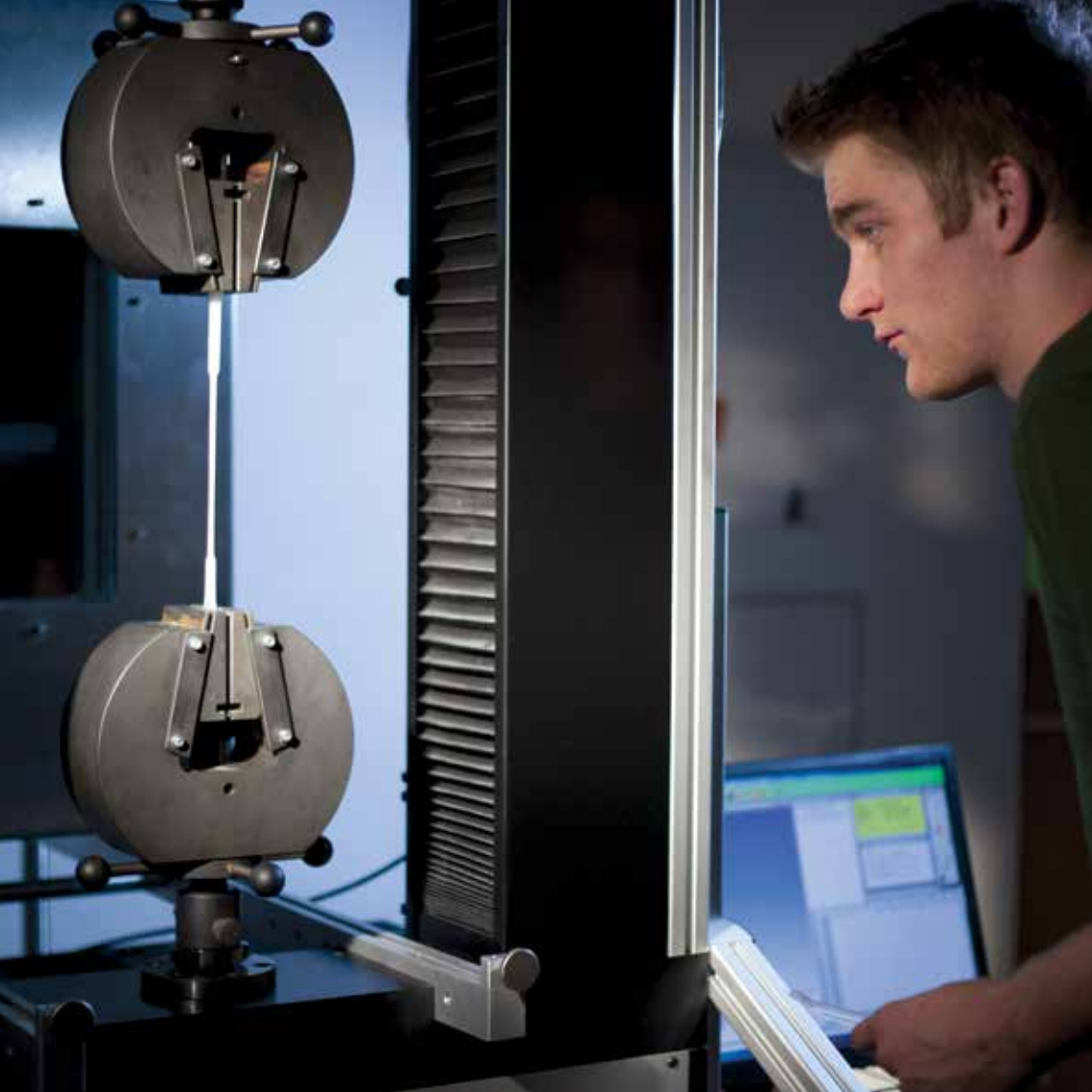
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811 364

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E-mail: slavikm@ivp.czu.cz



STUDY PROGRAMMES IN ENGLISH

ACADEMIC YEAR 2016 – 2017

FACULTY OF AGROBIOLOGY FOOD AND NATURAL RESOURCES

35

- BSc Sustainable Use of Natural Resources
- BSc Agriculture and Food
- MSc Natural Resources and Environment
- MSc Natural Resources Management and Ecological Engineering
- MSc Sustainable Agriculture and Food Security

FACULTY OF TROPICAL AGRISCIENCES

59

- BSc International Cooperation in Agriculture and Rural Development NEW
- MSc Sustainable Rural Development in Tropics and Subtropics
- MSc Tropical Forestry and Agroforestry
- MSc Animal and Food Sciences in Tropics and Subtropics
- MSc Wildlife Management in Tropics and Subtropics
- MSc Tropical Crop Management and Ecology
- MSc International Economic Development

FACULTY OF ECONOMICS AND MANAGEMENT

82

- BSc Economics and Management
- BSc Business Administration
- BSc Informatics
- MSc Economics and Management

- MSc Informatics
- MSc European Agrarian Diplomacy
- MSc Business Administration

FACULTY OF ENVIRONMENTAL SCIENCES

104

- MSc Environmental Modelling
- MSc Nature Conservation
- MSc Landscape Planning
- MSc Environmental Geosciences

FACULTY OF FORESTRY AND WOOD SCIENCES

59

- BSc Game Management
- BSc Forestry
- MSc Forestry, Water and Landscape Management

FACULTY OF ENGINEERING

125

- BSc Agricultural Engineering
- MSc Technology and Environmental Engineering

Bachelor in SUSTAINABLE USE OF NATURAL RESOURCES (SUNR)

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

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

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

Programme duration: 3 academic years (180 ECTS)

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

ERASMUS & Exchange students coordinator:

Mgr. Marie Kafková

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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1 st 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	2
RTA01Z	Physical Training (Sport)	2
ACA07E	Organic Chemistry	6
AEA32E	Principles of Agroecology	4
ABA14E	General and Special Agricultural Botany	6
AWA49Z	Practice (7 days)	3
	Foreign Language	3
AEA29E	Excursion, field training (2 days)	2
RTA01Z	Physical Training (Sport)	2
2 nd year		
APA38E	Soil Science	6
AMA11E	Fundamentals of Microbiology	6
ENE49E	Economics I	5
AAA27E	Agricultural Systems	5
AAA25E	Basic Meteorology	6
ARA31E	Plant Production and Environment	6
ASA22E	Animal Production and Environment	6
	Compulsory optional subject I*)	
	Compulsory optional subject I*)	
AUA082	Practical Bachelor Training (5 days)	5
AWA26Z	Bachelor Thesis	0/5

*) 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.

Code	Year of study / Subject	ECTS
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
ATA23E	Fundamentals of Turf and Lawn Management	5
AZA66E	Fundamentals of Landscape Architecture	4
3 rd year		
AIA07E	Hydrology and Hydrogeology	6
AIA07Z	Excursion	1
AZA67E	Fundamentals of Orchards and Urban Design	6
AHA33E	Waste Handling	6
AZA68E	Establishment and Maintenance of Greenery	5
AWA27Z	BSc Thesis	5
Compulsory optional subjects II*)		
Fully Optional subject **)		
AHA30Z	Excursion and Field Training (2 days)	2
Fully optional subject**)		
AWA27Z	BSc Thesis	5
Compulsory optional subjects II		
AGA44E	Fundamentals of Genetics	6
EEEE1E	EU Integration Process in Agriculture	5
EUE50E	Trade and Commerce	5
ERA16E	Management and Marketing	5
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4
AGA44E	Fundamentals of Genetics	6
EEE68E	Environmental Economics	5

Subjects of BSc State Examination (SE)

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

Bachelor in AGRICULTURE AND FOOD

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

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

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

Programme duration: 3 academic years (180 ECTS)

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

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

Syllabus BSc Agriculture and Food (Programme Code B4161)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
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
RTA01Z	Physical Education	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
2nd year		
APA38E	Soil Science	6
AVA42E	Biological Principles of Livestock Breeding	6
EEA17E	Business Economics	5
AAA27E	Agricultural Systems	5
AOA28E	Fundamentals of Plant Protection	5
AHA38E	Plant Nutrition	6
ARA31E	Plant Production and Environment	6
AKA30E	Animal Nutrition	6
AGA44E	Fundamentals of Genetics	6
AUA26Z	Specialized Practice	6
AWA26Z	BSc Thesis	5

Code	Year of study / Subject	ECTS
3 rd year		
ALA30E	Animal Husbandry and Ethology	6
AZA09E	Horticulture	6
ARA45E	Field Crop Technology	6
	Compulsory Optional Subject *)	
	Compulsory Optional Subject *)	
AQA31E	Quality and Processing of Animal Products	6
ASA49E	Livestock Production	6
AQA32E	Quality and Processing of Plant Products	6
ATA26E	Forage Crop Production and Pasture Management	6
AWA27Z	BSc. Thesis	5
AHA30Z	Excursion and Field Training	2
List of compulsory optional subjects		
APA37E	Applied Cartography	6
AZA66E	Fundamentals of Landscape Architecture	4
AZA67E	Fundamentals of Orchards and Urban Design	6
AZA68E	Establishment and Maintenance of Greenery	5
AZA66E	Fundamentals of Landscape Architecture	4
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4
ERA16E	Management and Marketing	5

*) chosen subjects from list of Compulsory optional subjects I

Subjects of BSc State Examination (SE)

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

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.

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

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

Programme duration: 2 years (120 ECTS)

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

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Syllabus MSc Natural Resources and Environment (Programme code N4153)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
AAA19E	Advanced Meteorology	6
ACA06E	Environmental Analytical Chemistry	6
AEA17E	Agricultural Ecology	4
AMA09E	Agri and Environmental Microbiology	6
AGA47E	Experimental Design and Statistics	5
ZBX03E	Water Resources Management	6
AHA17E	Soil and Plant Relationship	6
AIA04E	Soil and Water Relationship	6
AIA24Z	Field Training	2
APA19E	Soil and Chemical Relationship	6
AUA59Z	Practical Diploma Training	5
	Compulsory Optional Subject I *)	
AIA04Z	Excursion	1
AWA64Z	MSc. Thesis	6
2nd year		
APA21E	Soil Conservation and Protection	6
AIA05E	Hydrogeology for NRE	6
AIA05Z	Excursion	1
	Fully Optional Subject ***)	
	Fully Optional Subject ***)	
	Fully Optional Subject ***)	
AWA63Z	MSc. Thesis	7
	Compulsory Optional Subject II	
	Compulsory Optional Subject I	
AWA63Z	MSc. Thesis	7

Code	Year of study / Subject	ECTS
Compulsory optional subjects I		
AIA08E	Hydrology for NRE	6
AIA13E	Crop and Irrigation Systems Management	6
AIA12E	Survey for Soil and Water Relationship	6
Compulsory optional subjects II		
ZBA06E	Water in Landscape	6
AIA10E	Hydrometeorology	6
APA22E	Soil Taxonomy, Survey and GIS	6
Fully optional subjects		
AOA28E	Fundamentals of Plant Protection	5
AOA29E	General Phytopathology for NRE	5
ADA21E	Poultry Management	5
ATA17E	Management of Turf and Lawn	5
ABA15E	Plant Physiology	5
AVX01E	Management of Reproduction in Livestock	6
AQA25E	Food Quality and Food Safety	5
AQA28E	Sensory Analysis of Agricultural Products	5
AWX01E	Czech Language and Culture	3
TBT05E	Agro-materials	6
AWA65Z	Project	7
ZGA01E	Hydroinformatics	6
AEA38E	Ichthyology	6
AVX02E	Reproductive Biology and Endocrinology	6
ATA17E	Management of Turf and Lawn	5
AQA25E	Food Quality and Food Safety	5
AQA28E	Sensory Analysis of Agricultural Products	5
AEA20E	Parasitology	6
AWX01E	Czech Language and Culture	3
AGA02E	Animal Genetics	6
AOA30E	Diseases of Crops of Temperate Climates	5
ADA27E	Rabbit Production	5
ACA11E	Advanced Organic Chemistry	6
AWA65Z	Project	7

Code	Year of study / Subject	ECTS
AWA69Z	MSc Thesis – Double Degree	10

*) Chosen subjects from Compulsory optional subjects I

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

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

Subjects of BSc State Examination (SE)

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

MSc in Natural Resources Management and Ecological Engineering (AMM) MSc full time Joint Degree Program between CULS and BOKU

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

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

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

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

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

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

Programme duration: 2 years (120 ECTS)

Programme director at CULS Prague:

Prof. Dr. Ing. Luboš Borůvka, E-mail: boruvka@af.czu.cz

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 www.af.czu.cz

Syllabus MSc Natural Resources Management and Ecological Engineering (Programme code N4154)

 Winter semester
 Summer semester

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

FACULTY OF AGROBIOLOGY, FOOD AND NATURAL RESOURCES

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

FACULTY OF AGROBIOLOGY, FOOD AND NATURAL RESOURCES

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

ZEX04E	Ecosystems Conservation and Management	5
ZUX03E	Wetlands Conservation and Management	6
871.304	Hazard and Risk Assessment	4.5
915.327	Project Management	3.0
911.320	Environmental Risk Analysis and Management	3.0
	Policy and Economics	
732.346	Social Studies of Risk	3.0
732.326	Institutions and Policies of the EU (Introduction to the Law and Politics of the European Union)	3.0
EH103E	Rural Development	5
EJE21E	Law in EU	5
731.324	Resource and Environmental Economics	3.0
731.328	Valuation Methods for Natural Resources (Economic Valuation of Market Goods and Natural Resources)	3.0
731.330	International Trade and Environment	3.0
731.331	WTO and International Environmental Agreements	3.0
731.335	Sustainable Business Strategies	3.0
731.347	Regional Economics and Regional Governance	3.0
731.348	Managerial Economics	
LRX06E	Environmental Economics	5
731.333	Globalisation and Rural Development	3.0
834.321	Biocultural Diversity in Rural Landscapes	3.0
832.302	Human Dimensions in Wildlife Research & Management	1.5
735.329	Decision Making in Management with Special Emphasis on Cultural Differences	3.0
	Language	
	Foreign Language	2+3
	Foreign Language	2+3
	Optional Subjects - specialisation	
811.354	Case Studies in Sanitary Engineering	3.0
911.322	Role of Soils in Nature Conservation and Wildlife Management	1.5
APA17E	Modelling in Soil Science	6
APA20E	Pedometrics and Digital Soil Mapping	6
731.351	Applied Mathematical Programming in Natural Resource Management	
731.369	Computer Simulation in Energy and Resource Economics	3.0

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

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

Subjects of MSc State Examination (SE)

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

Advanced Meteorology or equivalent Soil and Plant Relationship Agricultural Ecology or equivalent Forest Ecology or equivalent
Agricultural and Environmental Microbiology or equivalent

Master in SUSTAINABLE AGRICULTURE AND FOOD SECURITY

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

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

Programme duration: 2 years (120 ECTS)

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

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

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

	Winter semester
	Summer semester

Code	Year of study / Subject	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
AIA15Z	Excursion	1
Compulsory Optional Subject I *)		
AHA17E	Soil and Plant Relationship	6
ASA47E	Livestock Management	6
ACA13E	Food Chemistry	6
Compulsory Optional Subject I *)		
AUA59Z	Practical Diploma Training	5
AWA64Z	MSc. Thesis	6
2nd year		
AQA25E	Food Quality and Food Safety	5
ACA06E	Environmental Analytical Chemistry	6
ARA46E	Crop Management Systems	6
Compulsory Optional Subject II		
AVA44E	Management of Reproduction in Livestock	6
AWA63Z	MSc Thesis	5
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

*) Excursion strictly connected with AIA15E Agricultural Water Management

**) Excursion strictly connected with AIA14E Hydopedology and Groundwater Protection

Code	Year of study / Subject	ECTS
Compulsory optional subjects I		
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
Compulsory optional subjects I		
AGA48E	Plant Breeding and Seed Production	6
ATA17E	Management of Turf and Lawn	5
ADA21E	Poultry Management	5
AEA22E	Aquaculture	5
ARA44E	Aromatic, Medicinal and Spice Plants	5
ATA17E	Management of Turf and Lawn	5
AIA14E	Hydrogeology and Groundwater Protection	6
AIA14Z	Excursion**)	1
ADA21E	Soil Taxonomy Survey and GIS	6
AQA27E	Milk and Dairy Products Quality and Processing	6
AQA28E	Sensory Analysis of Agricultural Products	5
EEA16E	Environmental Economics	5
ADA27E	Rabbit Production	5
Fully optional subjects		
Selected subject taught in English in a Study Programme offered at CULS		

Subjects of BSc State Examination (SE)

Subject of the SE (corridor) Soil and Crop Sciences	Subjects of the corridor SPlant 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

Bachelor in INTERNATIONAL COOPERATION IN AGRICULTURE AND RURAL DEVELOPMENT (ICARD)

NEW

International Cooperation in Agriculture and Rural Development (ICARD) is a three-year Bachelor programme. The programme is designed as the first level of the university education of future professionals in international technical assistance projects in rural development and agriculture. It has been created in accordance with the needs of agricultural development, environmental protection and at the same time the need to tackle poverty and ensure food security in developing countries.

In order to teach students how to prepare, manage and evaluate development projects, the study programme includes:

- Development of extensive knowledge and skills necessary to the fields of project management, international communication and human resources management in multicultural environments
- Background training in biological disciplines oriented to agricultural production.
- Obligatory training in non-profit organizations, government institutions and private companies dealing with international development or investment projects in developing countries.

Note: In academic year 2016-2017 students can enrol only in the 1st year.

ERASMUS students apply through the CULS ERASMUS Incoming students' coordinator malatkova@rektorat.czu.cz

Programme organisation: Faculty of Tropical AgriSciences www.ftz.czu.cz

Programme duration: 3 academic years (180 ECTS)

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

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

E-mail: banout@ftz.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Jana Hummelova

Direct line: +420 22438 2496

Fax: +420 23438 1829

e-mail: hummelova@ftz.czu.cz

Syllabus BSc International Cooperation in Agriculture and Rural Development (ICARD) Programme Code B 4157

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1 st year		
ITI02E	Project Management and Planning in Developing Countries	5
IBI04E	Geography of World Agriculture	5
ENI05E	Fundamentals of Economics I	5
IRI09E	Introduction to Tropical Agriculture	4
ITI04E	Community Natural Resource Management in Tropics	5
IXI19Z	Orientation Meeting	0
IBI07E	International Sources of Information and Databases	4
(***)	Essentials of Sociology	5
ICI13Z	Dendrology	5
ENI06E	Fundamentals of Economics II.	5
(***)	Mathematics	5
(***)	Informatics	3
(***)	Appropriate Rural Technologies	0
(***)	English	3
RTX13Z	Physical Training	0
2 nd year		
IBI08E	International Organizations and Donors	5
IBI09E	Communication in Development Cooperation	5
ITI08E	Food Security in Developing Countries	5
IBI10E	Introduction to International Development	5
IRI14E	Tropical Agricultural Systems	5
IXI20Z	Bachelor thesis assignment	2
IBI01Z	Scientific seminar	2
IBI03Z	Operational Practical Training I (2 weeks)	2
IBI11E	Agriculture and Resource Economics	5
IRI28E	Tropical Crop Production	5

Code	Year of study / Subject	ECTS
IUI66E*	Personal Security and Risk Management	5
IZI23E	Introduction into Animal Breeding	5
LTX03E	Forest Harvesting	3
(***)	Applied Statistics	5
(***)	Foreign Languages	2
3 rd year		
IBI12E	Development Project Monitoring and Evaluation	5
IBI13E	Human Resources in Multicultural Environment	5
IRI30E	World Ecosystems	5
IBI14E	Agricultural Project Administration and Logistic	
IZI36E	Human Nutrition and Prevention of Food-Borne Diseases	5
IBI02Z	Scientific seminar	1
IXI21Z	Bachelor Thesis Submission	13
3 rd year optional subjects		
IZI37E	Animal Hygiene and Prevention of Animal Diseases in TS	5
IZI38E	An Introduction to Wildlife Management	5
IBI05Z	Operational Practical Training (4 weeks)	5
(***)	Aquaculture	5
(***)	Organic and Agriculture in Rural Areas	5
IRI34E	Plantation Crops	5
(***)	Technical Drawing and Basics of PC Graphics	3

(***) Subject codes to be determined

Master in SUSTAINABLE RURAL DEVELOPMENT IN TROPICS AND SUBTROPICS

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

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

Programme organisation: Faculty of Tropical AgriSciences www.ftz.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

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

E-mail: banout@ftz.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Jana Hummelova

Direct line: +420 22438 2496

Fax: +420 23438 1829

e-mail: hummelova@ftz.czu.cz



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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
	1 st year	
IUI24E	Management of Energy Resources in TS	5
IEI03E	Development and Poverty Reduction Strategies	5
IUI04E	Introduction to Engineering	5
ESI06E	Applied Statistics	5
IUI62Z	Scientific Seminar	1
IXI01Z	Diploma Thesis – Assignment	2
IXI02Z	Orientation Meeting	0
IUI54E	Global Food Security	5
IUI14E	Rural Sociology and Demography in DC	5
IAI11E	Human Nutrition and Prevention of Food-borne Diseases	5
IUI63Z	Scientific Seminar	1
IXI03Z	Diploma Thesis – Research Design	3
	Optional subjects (*)	
AEA22E	Aquaculture	5
APA21E	Soil Conservation and Protection	6
ZBX03E	Water Resources Management	6
ICI29E	Quality Storage and Processing of Plant Products	5
IEI26E	Monitoring and Evaluation	5
IEI27E	Microfinance and Rural Economics	5
IUI69E	Project Management and Planning	5
IEI01E	Civil Society and Inter-Governmental Organizations	5
IEI06E	Marketing of TS Products	5
EH103E	Rural Development	5
IUI52E	Quality, Storage and Processing of Meat Products	5
IUI66E*	Personal Security and Risk Management	4
IUI11E*	First Aid for Development Workers	2

Code	Year of study / Subject	ECTS
ICI12E	Management of Subtropical and Tropical Land Use Systems	4
RTX11Z	Summer Sports	1
2 nd year		
IEI02E	Economics of Farming System	5
IUI16E	Environmental Engineering Technology	5
IUI51E	Renewable Energy for Food Processing	5
IUI01Z	Practical Training	5
IUI64Z	Scientific Seminar	1
IXI04Z	Diploma Thesis - Data Analysis	5
IUI52E	Principles of Food Preservation	5
IUI65Z	Scientific Seminar	1
IXI05Z	Diploma Thesis - Submission	15
Optional subjects (*)		
RTX10Z	Winter Sports	2
IUI61E	Rural Communication and Extension	5
IEI18E	Fair Trade and Ethical Business in International Trade	4
IEI23E	Agricultural Market Information and Services	5
IUI62E	Organic Waste Management in TS	5

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

Master in TROPICAL FORESTRY AND AGROFORESTRY

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

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

Programme organisation: The programme is jointly organised by the Faculty of Forestry and Wood Sciences (FFWS) www.fld.czu.cz and the Faculty of Tropical AgriSciences (FTA) www.ftz.czu.cz

Programme duration: 2 academic years (120 ECTS)

Programme directors:

Assoc. Prof. Ing. Jiri Remes (FFWS) remes@fld.czu.cz

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

ERASMUS & Exchange students' coordinator:

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Ing. Katerina Navratilova (FFWS)

Direct line: +420 224 384 871

Fax: +420 234 381 842

e-mail: navratilova@fld.czu.cz



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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
ICI03E	Special Crops in TS	5
LHX02E	Forest Management in TS	5
ICI04E	Tropical Phytocoenoses	5
LZX02E	Wood Science	5
ZGX09E	Remote Sensing	4
ICI05E	Agroforestry	
ICI13Z	Tropical Dendrology	3
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
LLX02E	Forest Ecology	5
LDX01E	Forest Dendrology, Genetics and Tree Breeding	5
ICI06E	Economic Botany	5
LLX05E	Classification of Vegetation	6
ZBX13E	Surveying	6
IXI03Z	Diploma Thesis – Research Design	3
	Optional Courses	6
RTX11Z	Summer Sports	1
2nd year		
LTX02E	Harvesting, Timber Transport and Wood Processing	6
ZBX03E	Water Resource Management	6
ZGX02E	GIS	5
ZBL02E	Irrigation and Drainage	6
LOX01Y	Forest Protection in TS	3
ICI28Z	Agroforestry Systems	3
IXI04Z	Diploma Thesis – Data Analysis	5
LPX01Z	Silviculture in TS	3

Code	Year of study / Subject	ECTS
IXI05Z	Diploma Thesis – Submission	15
	Optional subjects (*)	
RTX10Z	Winter Sports	1
LPX21E	Special Forest Plantations	6
LHX03E	Forest Inventory	5
IAI40E	Biodiversity Conservation and Protected Areas	5
ICI25E	Fruit Production	4
IEI02E	Economics of Farming Systems	4
ICI02E	Plant Tissue Cultures	5
IUI62E	Organic Waste Management	5
ICI12E	Management of Subtropical and Tropical Land Use Systems	4

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

Master in ANIMAL AND FOOD SCIENCES IN TROPICS AND SUBTROPICS

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

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

Programme organisation: Faculty of Tropical AgriSciences www.ftz.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

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

E-mail: lukesd@ftz.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Jana Hummelova

Direct line: +420 22438 2496

Fax: +420 23438 1829

e-mail: hummelova@ftz.czu.cz

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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
IAI01E	Large Farm Animal Husbandry in TS I. (cattle, buffaloes, yaks, antelopes)	5
IAI05E	General Epizootiology and Prevention of Domestic Animal Diseases in TS	5
IAI41E	Resource Ecology – soil- plant- animal Interactions	5
IAI42E	Processing and interpretation of Biological Data	5
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
IAI04E	Large Farm Animal Husbandry in TS II. (camels, llamas, horses, donkeys, elephants)	5
IAI06E	Domestic Animal Feeding and Nutrition in TS I. (ruminants)	5
IAI11E	Human Nutrition and Prevention of Food borne Diseases in TS	5
AVI06E	Reproductive Biology and Endocrinology	5
IAI34Z	Practical Training	5
IXI03Z	Diploma Thesis - Research Design	3
Optional subjects (*)		
IAI29E	Game Ranching	5
AEA22E	Aquaculture	5
IAI27E	Population Dynamics of Animals	5
IAI10E	Behavioural Ecology	5
IAI34E	Methods in Animal Ecology and Ethology	5
IAI13E	Breeding of Indigenous Animal Species in TS	5
IUI52E	Principles of Food Preservation	5
IAI01Z	Wildlife Management Fieldwork	2
RTX11Z	Summer Sports	2
2nd year		
IAI14E	Small Farm Animal Husbandry in TS I. (pigs, poultry, rabbits)	5
AQA27E	Milk and Dairy Products Quality and Processing	6
IAI16E	Domestic Animal Nutrition and Feeding in TS II.	5

Code	Year of study / Subject	ECTS
AGI04E	Genetics and Breeding of Livestock	6
IXI04Z	Diploma Thesis - Data Analysis	5
IAI17E	Small Farm Animal Husbandry in TS II. (sheep and goats; crossbreeding)	5
IUI53E	Quality Storage and Processing of Meat Products	5
IXI05Z	Diploma Thesis - Submission	15
Optional subjects (*)		
RTX10Z	Winter Sports	2
AVI07E	Management of Livestock Reproduction	5
IEI03E	Development and Poverty Reduction Strategies	5
IAI36E	Game Utilization in TS	5
ICI19E	Tropical Pastures and Fodder Crops	5
IUI53E	Quality, Storage and Processing of Meat Products	5
IUI62E	Organic Waste Management in TS	5

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

Master in WILDLIFE MANAGEMENT IN TROPICS AND SUBTROPICS

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

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

Programme organisation: Faculty of Tropical AgriSciences www.ftz.czu.cz

Programme duration: 2 academic years (120 ECTS)

Programme director: Assoc. Prof. RNDr. Pavla Hejčmanová, Ph.D

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

E-mail: hejzmanova@ftz.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Jana Hummelova

Direct line: +420 224 382 496

Fax: +420 234 381 829

e.mail: hummelova@ftz.czu.cz

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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1 st year		
IAI40E	Biodiversity Conservation and Protected Areas	5
ICI04E	Tropical Phytocoenoses	5
IAI25E	Special Zoology in TS	5
ZGX02E	GIS	5
IAI35E	Adaptation Biology of Animals in TS	5
IXI01Z	Diploma Thesis - Assignment	3
IAI32Z	Orientation Meeting	0
IAI10E	Behavioural Ecology	5
IAI13E	Breeding of Indigenous Animal Species in TS	5
IAI26E	Wildlife Feeding in TS	5
IAI01Z	Wildlife Management Fieldwork	2
IXI03Z	Diploma Thesis - Research Design	3
Optional subjects (*)		
IAI42E	Processing and Interpretation of Biological Data	5
IAI35E	Adaptation Biology of Animals in TS	5
IAI41E	Resource Ecology: Soil-Plant-Animal Interactions	5
IAI34E	Methods in Animal Ecology and Ethology	5
AVI06E	Reproductive Biology and Endocrinology	5
IAI07E	Insects in Wildlife Relationships	5
ICI19E	Tropical Pastures and Fodder Crops	5
IAI55E	Wild and ZOO Animals Capture and Care	5
RTX11Z	Summer Sports	2
2 nd year		
IAI27E	Animal Population Dynamics	5
IAI05E	General Epizootology and Prevention of Domestic Animal Diseases in TS	5
IAI29E	Game Ranching	5
IXI04Z	Diploma Thesis - Data Analysis	5

Code	Year of study / Subject	ECTS
IAI36E	Game Utilization in TS	5
IXI05Z	Diploma Thesis - Submission	15
Optional subjects (*)		
RTX10Z	Winter Sports	1
AVI07E	Management of Livestock Reproduction	5
IAI35E	Adaptation Biology of Animals in TS	5
AGI05E	General Molecular Biology	5
ICI19E	Tropical Pastures and Fodder Crops	5
IUI53E	Quality, Storage and Processing of Meat Products	5

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

Master in TROPICAL CROP MANAGEMENT AND ECOLOGY

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

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

Programme organisation: Faculty of Tropical AgriSciences www.ftz.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

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

E-mail: polesny@ftz.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Jana Hummelova

Direct line: +420 224 382 496

Fax: +420 234 381 829

E-mail: hummelova@ftz.czu.cz

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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
	1 st year	
ICI01E	Cereals and Pulses	5
ICI16E	Plant Breeding and Genetic Resources Conservation	5
ICI03E	Special Crops	5
ICI04E	Tropical Phytocoenoses	5
ICI05E	Agroforestry	5
IXI01Z	Diploma Thesis - Assignment	2
IXI02Z	Orientation Meeting	0
ICI06E	Economic Botany	5
ICI07E	Tuber, Oil and Fibre Crops	5
ICI08Z	Diploma Thesis Seminary	2
IXI03Z	Diploma Thesis - Research Design	3
	Optional subjects (*)	
AMI02E	Agricultural and Environmental Microbiology	6
ICI28Z	Agroforestry Systems	3
IAI40E	Biodiversity Conservation and Protected Areas	5
ZGX02E	GIS	5
ICI13Z	Tropical Dendrology	3
RTX11Z	Summer Sports	1
ICI08Z	Bioactive Natural Compounds	4
ZBX08E	Irrigation and Drainage	5
ICI02E	Plant Tissue Culture	5
LPX20E	Silviculture	6
LPX01Z	Silviculture in TS	3
AHI02E	Soil and Plant Relationship	6

Code	Year of study / Subject	ECTS
2nd year		
ICI25E	Fruit Production	5
ICI26E	Tropical Horticulture and Floriculture	5
IXI04Z	Diploma Thesis - Data Analysis	5
ICI19E	Tropical Pastures and Fodder Crops	5
ICI20E	Vegetable Production	5
ICI09Z	Diploma Thesis Seminary	2
IXI05Z	Diploma Thesis - Submission	15
Optional subjects (*)		
AEA17E	Agricultural Ecology	5
IUI60E	Farm Machinery for Plantation Crops	5
LLX01E	Forest Ecology	6
AOA28E	Fundamentals of Plant Protection	5
API03E	Soil Conservation and Protection	6
ZBX03E	Water Resources Management	6
RTX10Z	Winter Sports	1
IUI62E	Organic Waste Management in TS	5

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

Master in INTERNATIONAL DEVELOPMENT AND AGRICULTURAL ECONOMICS

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

Programme organisation: Faculty of Tropical AgriSciences www.ftz.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

Phone: +420 224 382 502 E-mail: verner@ftz.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Jana Hummelová

Direct line: +420 224 382 496

Fax: +420 234 381 829

E-mail: hummelova@ftz.czu.cz

Syllabus MSc in International Economic Development (Programme code N4106)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
	1 st year	
IEI01E	Civil Society and Inter-Governmental Organizations	5
IUI69E	Project Management and Planning in DC	5
EEI01E	Econometrics	5
ICI30E	Tropical Crop Production	5
IEI03E	Development and Poverty Reduction Strategies	5
IEI06E	Marketing of TS Products	5
IEI19Z	Scientific Seminar	1
IXI01Z	Diploma Thesis - Assignment	2
IXI03Z	Orientation Meeting	0
ICI06E	Economic Botany	5
IEI05E	Developing Countries in International Trade	5
IEI17E	Agriculture Policy	5
IEI20Z	Scientific Seminar	2
IXI01Z	Diploma Thesis – Research Design	3
	Optional subjects (*)	
AEA22E	Aquaculture	5
IUI51E	Renewable Energy Resources for the Rural Tropics	5
IEI22E	International Finance – Theory and Policy	5
IUI14E	Rural Sociology and Demography in DC	5
IEI25E	Quantitative Methods in Development Economics	4
EH103E	Rural Development	5
RTX11Z	Summer Sports	2
IUI66E*	Personal Security and Risk Management	4
IUI11E*	First Aid for Development Workers	2
RTX11Z	Summer Sports	1

Code	Year of study / Subject	ECTS
2nd year		
IEI02E	Economics of Farming Systems	5
IEI07E	Microfinancing and Rural Economics	5
IAI41E	Resource Ecology: Soil-Plant-Animal Interactions	5
IEI21Z	Scientific Seminar	1
IXI04Z	Diploma Thesis - Data Analysis	5
IEI24E	Management in International Development	5
IEI22Z	Scientific Seminar	1
IEI25Z	Practical Training	5
IXI05Z	Diploma Thesis - Submission	15
Optional subjects (*)		
IEI26E	Monitoring and Evaluation	5
IUI61E	Rural Communication and Extension	5
IEI18E	Fair Trade and Ethical Business in International Trade	4
RTX10Z	Winter Sports	1
IEI23E	Agricultural Market Information and Services	5
EJI01E	International Law	5

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

Bachelor in ECONOMICS AND MANAGEMENT

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

Programme organisation: Faculty of Economics and Management www.msc.pef.czu.cz

Programme duration: 3 academic years (180 ECTS)

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

E-mail: cerny@pef.czu.cz

Programme administrator: Ing. Iva Pintová

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

E-mail: pintova@pef.czu.cz

ERASMUS & Exchange students’ coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz

Syllabus BSc in Economics and Management (Programme code B6208)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1 st year		
EAE59E	Mathematics	5
EHE06E	Fundamentals of Political Science	5
AHA29E	Agricultural Systems I	5
EPEC6E	Psychology	5
ETE26E	Informatics	5
EXE31Z	Introduction to Study	1
ELX67Z	English for Academic Purposes	2
RTX16Z	Sport	2
EAE60E	Mathematical Methods for Economics	5
ESE51E	Mathematical Methods for Statistics	5
ALE02E	Agricultural Systems II	5
EHEA7E	Science, Philosophy and Society	5
ETE4AE	Information Technologies	5
ELX69E	English for Business	3
RTX17Z	Sport	2
2 nd year		
ENE45E	Microeconomics	5
EEEB5E	Empirical Research in Economics	5
ESE49E	Statistics I	5
EEER2E	Economics of Agrarian Sector	5
EHEA6E	Introductory Social Research Methods	5
ELE34E	Foreign Language French	2
ELE35E	Foreign Language German	2
ELE36E	Foreign Language Spanish	2
ELE37E	Foreign Language Czech	2
ENE46E	Macroeconomics	5
ESE50E	Statistics II	5
EUE50E	Trade and Commerce	5

Code	Year of study / Subject	ECTS
ERET7E	Theory of Management	5
ENE38E	Financial Economics	5
ELE34E	Foreign Language French	3
ELE35E	Foreign Language German	3
ELE36E	Foreign Language Spanish	3
ELE37E	Foreign Language Czech	3
EXE23Z	Bachelor Thesis	5
3 rd year		
ETE49E	Information Systems	5
EEED2E	Enterprise Economics	5
ERET6E	Human Resources Management	5
ERET5E	Marketing Management	5
EEEE2E	Environmental Economics – Optional Subject	5
EREE1E	Natural Resources Management – Optional Subject	5
EXE24Z	Bachelor Thesis	5
EHE01E	Rural Sociology	5
EUE51E	Theory of Accounting	5
EJE33E	Fundamentals of Law	5
EXE14Z	Bachelor thesis	10
EXE13Z	Bachelor Practise	5

Bachelor in BUSINESS ADMINISTRATION

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

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

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

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

Admission regulations:

Applicants enrolling as degree students are expected to pay an Administration study fee amounting to 32 000 CZK per academic year.

Electronic application for degree students of this study programme is available at <https://is.czu.cz/prihlaska/> . Signed application forms must be submitted together with confirmation of pa-

ymment to the Study Office (Students who have completed secondary education in the Czech Republic or students who have finished nostrification) or International Relations Office (International Students applying to Lifelong Learning Programme - students without completed nostrification) before 31 March 2016

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

Programme organisation: Faculty of Economics and Management www.studyinenglish.cz

Programme duration: 3 years (180 ECTS)

Programme Director: PhDr. Vlastimil Černý, CSc., MA; E-mail: cerny@pef.czu.cz

Programme administration: Ing. Jana Melezínková

Tel./fax: +420.234 382 061

E-mail: melezinkova@pef.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz

Syllabus BSc Business Administration (Programme code B6202)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
EAE68E	Mathematics	5
EHEA7E	Science, Philosophy and Society	5
AHA29E	Agricultural Systems I	5
ETEB3E	Information and Communication Technologies	5
EJE41E	Essentials of Juridical Sciences	5
EXE31Z	Introduction to Study	1
ELX67Z	English for Academic Purposes	2
RTX16Z	Sports	2
EAED8E	Mathematical Methods for Economics I	5
EPEC9E	Psychology of Personality and Communication	5
ALE02E	Agricultural Systems II	5
ETE4BE	Internet Technologies	5
EJE42E	Commercial and Civil Law	5
ELX69E	English for Business Purposes	3
RTX17Z	Sports	2
2nd year		
EAE70E	Mathematical Methods for Economics II	5
ENE49E	Economics I	5
ESE53E	Statistics I	5
EUEB1E	Accounting Theory	5
EAED9E	Planning and Project Management	5
See below	Foreign Language	2
EHEA0E	Political Science	5
ENE50E	Economics II	5
ESE54E	Statistics II	5
EUEB2E	Accounting for Entrepreneurs	5
ETE8AE	E-Commerce and Business	5
See below	Foreign Language	3

Code	Year of study / Subject	ECTS
EXE23Z	Bachelor Thesis I	5
	3rd year	
EPEE1E	Psychology and Ethics in Business	5
EREQ4E	Management Skills	5
EEEF7E	Agrarian Sector Economics	5
EUEB3E	Theory of Trade	5
EEEI4E	Investment and Long Term Financing	5
EXE24Z	Bachelor Thesis II	5
EEEE7E	Business Economics	5
EREQ5E	Management Theory	5
ETE49E	Information Systems	5
EXE14Z	Bachelor Thesis III	10
EXE13Z	BsC internship	5
Code	Foreign language	ECTS
ELE34E	French language	See above
ELE35E	German language	See above
ELE36E	Spanish language	See above
ELE37E	Czech language for foreigners	See above

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 15 000 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

Programme Administrator: Ing. Martin Kozák,

Tel: +420 234 382 314

E-mail: kozakm@pef.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz

Syllabus BSc in Informatics (Programme code B6209)

	Winter semester
	Summer semester

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

Code	Year of study / Subject	ECTS
EAE58E	Operations Research and Systems Analysis	5
	Optional Subjects 2.	5
ELE34E	Foreign Language French	3
ELE35E	Foreign Language German	3
ELE36E	Foreign Language Spanish	3
ELE37E	Foreign Language Czech	3
	Bachelor Thesis	5
Code	3 rd year Syllabus preview	ECTS
EIE69E	UNIX Operating Systems	5
ETE3AE	Web Design	5
EEEI2E	Economics for Entrepreneurs	5
EUE42E	Fundamentals of Accounting	5
	Optional Subject 3.	5
	Bachelor Thesis	5
EIEA3E	Software Engineering	5
EAE61E	Project Management Methods	5
ESE52E	Statistical Software Systems	5
	Bachelor Practice	5
	Bachelor Thesis	10
Code	Optional Subjects	ECTS
	Optional Subjects 1.	
EIE70E	a. Human – computer Interaction	See above
EAE56E	b. Administration and Processing of Geographic Data	
	Optional Subjects 2.	
ETE5AE	e-government	See above
ETE5AE	Enterprise Information Systems	
	Optional Subjects 3	
ETE76E	Mobile Software Development	See above
ETEB4E	Data Security	

Master in ECONOMICS and MANAGEMENT

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

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

Admission regulations for degree students: Applicants enrolling as degree students are expected to pay an administration study fee of 32 000 CZK per academic year.

Programme organisation: Faculty of Economics and Management www.studyinenglish.cz

Programme duration: 2 years (120 ECTS)

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

E-mail: cerny@pef.czu.cz

Programme administrator: Ing. Oldřich Výlupek, MSc, Ph.D.

Tel./fax: +420.234 382 314

E-mail: vylupek@pef.czu.cz ; www.msc.pef.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz



Syllabus MSc in Economics and Management (Programme code N6208)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
EEE63E	Sectoral Economics	5
EEE64E	Econometric Modelling (EM)	5
EHEA2E	Methods of Social Research EM	5
ENE24E	Corporate Finance	5
ERE19E	Business Management EM	5
ETEA8E	ICT for Managers	5
EEEB1E	Economic Policy	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
ENE26E	General Economics	5
ETE44E	IT for e-business	5
EUE01E	Accounting	5
2nd year		
EEEB4E	Diploma Thesis Seminar	5
EXE18Z	Diploma Thesis Work Credit II	5
ENE33E	World Economy	5
EREB2E	Marketing EM	5
EEE46E	Economics of Enterprises (MSc. - EM)	4
EREB4E	Strategic Management EM	4
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

Master in INFORMATICS

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

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

Programme organisation: Faculty of Economics and Management www.msc.pef.czu.cz

Programme duration: 2 academic years (120 ECTS)

Programme director: PhDr. Vlastimil Černý, CSc, MA

E-mail: cerny@pef.czu.cz

Programme administrator: Ing. Martin Kozák

Tel.: +420 234 382 314 Fax: 234 381 804

E-mail: kozakm@pef.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz

Syllabus MSc in Informatics (Programme code N6209)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
EIE27E	Projecting of Information Systems	5
EIEB0E	Theoretical Foundation of Informatics	5
EJE46E	Legal Aspects of Informatics	5
EEEB8E	Econometrics Modelling for ICT	5
ESE34E	Statistical Data Analysis	5
ETE50E	Computer Networks	5
EREF8E	Management	5
EIEB1E	Object and Relational Databases	5
Not open	B: Spatial Data Processing	5
EIE31E	B: Artificial Intelligence	5
ESE55E	A: Statistical Methods of Data Mining	5
ETE40E	A: IS Security	5
EXE18Z	Diploma Thesis Work Credit I	5
(**)	Optional Course	5
2nd year		
TBA	IT Projects Management	5
EIE32E	Systems Integration	5
TBA	Grammars and Languages in IT	5
EIE49E	B: Information Engineering	5
ETE52E	A: Internet Technologies - Client Side	5
EXE18Z	Diploma Thesis Work Credit II	2
	Foreign Language	2
	Optional Course	5
EAE24E	B: Decision Support Systems	4
EEEF9E	Prognostic Methods	4
TBA	IS Quality Assessment	4
ETE53E	A: Internet Technologies - Server Side	4
TBA	Optional course	4

A Specialisation – Network and internet technologies

B Specialisation – Knowledge systems

Master in EUROPEAN AGRARIAN DIPLOMACY

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

Admission regulations:

Applicants enrolling as degree students pay an administration study fee 20 000 CZK per academic year.

Electronic application for degree students of this study programme is available at <https://is.czu.cz/prihlaska/>. Signed application forms must be submitted together with confirmation of payment to the Study Office (Students who have completed secondary education or bachelor degree in the Czech Republic or students who have finished nostrification) or International Relations Office (International Students applying to Lifelong Learning Programme - students without completed nostrification) before 31 March 2016

Programme organisation: Faculty of Economics and Management www.msc.pef.czu.cz

Programme duration: 2 years (120 ECTS)

Programme Director: PhDr. Vlastimil Černý, CSc., MA; E-mail: cerny@pef.czu.cz

Programme Administrator: Ing. Jana Melezínková

Tel./fax: +420.234 382 061

E-mail: melezinkova@pef.czu.cz www.msc.pef.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz



Syllabus MSc European Agrarian Diplomacy (Programme code N6208)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
EEEF1E	Economics of World Agriculture	5
EREX6E	Business Management	6
EHEA8E	Essentials of Diplomacy	5
ETEA3E	Communication and Information Resources	5
EEE64E	Econometrics	6
ELD09Z	Communication en Francais I	3
EXE31Z	Introduction to study	0
EED06E	Agrarian policy	5
EREX8E	Human Resource Management	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
ELD09Z_2	Communication en Francais I	2
EXE16Z	Diploma Thesis work credit	5
2nd year		
ENE42E	General Economics III – International Economics	5
ERET1E	Marketing Management	5
EEEE1E	European Integration	5
ERET2E	Applied Strategic Management	4
EJD04E	Law Regulation of Integration Processes	4
ELD10Z	Communication en Francais II	2
EXE17Z	Diploma Thesis work credit II	5
EED09E	Economics of Farm	4
ERER4E	Personnel Management	5
EED10E	World Trade with Agricultural Commodities	4
ERET4E	Regional Development	4
EXE18Z	Diploma Thesis work credit III	10
EXE15Z	Diploma Thesis Practice	4

Master in BUSINESS ADMINISTRATION

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

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

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

Admission regulations:

Applicants enrolling as degree students pay an administration study fee 108000 CZK (4000 EUR) per academic year.

Electronic application for degree students of this study programme is available at <http://priji-macky.czu.cz/>. Signed application forms must be submitted together with confirmation of payment to the Study Office (Students who have completed secondary education or bachelor degree in the Czech Republic or students who have finished nostrification) or International Relations Office (International Students applying to Lifelong Learning Programme - students without completed nostrification) before 31. March 2016 and 12. September (for students who do not need a Czech Study Visa)

Programme organisation: Faculty of Economics and Management www.msc.pef.czu.cz

Programme duration: 2 years (120 ECTS)

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

E-mail: cerny@pef.czu.cz

Programme administrator: Ing. Ievgen Tomashevskiy,

Tel: +420 234 382 155

E-mail: tomashevskiy@pef.czu.cz; www.msc.pef.czu.cz

ERASMUS & Exchange students' coordinator:

Ing. Daniel Dědina

Tel: +420 224 382 323

E-mail: dedina@pef.czu.cz

Syllabus MSc in Business Administration (Programme code N6208)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
EUEB4E	International Trade	5
EEE64E	Econometric Modelling (EM)	5
ENE29E	General Economics III – International Economics	5
EEE10E	Public Economics	5
EUEB5E	Managerial Finance	5
ETE6AE	ICT for Managers	5
EUEB6E	Wholesale and Retail Trade	5
ERE19E	Business Management	5
Compulsory optional subjects		
EREY2E	Marketing Communication	5
EUEB7E	Accounting	5
EIEA4E	Systems and Organizational Engineering	5
EXE16Z	Diploma Thesis Work Credit I	5
2nd year		
ERE1BE	Marketing Management	5
ERE1DE	Strategic Management	5
Compulsory optional subjects		
ERE1CE	Marketing Research (for regular students only)	5
ETEA5E	Business Information Systems	5
EUEB8E	International Accounting Standards	5
EXE17Z	Diploma Thesis Work Credit II	5
ERE1AE	Logistics	4
EEE15E	Business Activity Assessment	4
Compulsory optional subjects		
ERE1EE	Strategic Marketing	4
ETEA6E	Strategy of Information Systems	4
EXE18Z	Diploma Thesis Work Credit III, Practicals	14
EXE15Z		

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

15. Master in ENVIRONMENTAL MODELLING

The graduate-degree study programme offered in English for Environmental Modelling (ENVA) is open for students with a bachelor degree in mathematics, science, computer programming, hydrology or a relevant subject area and who wish to acquire advanced knowledge and professional skills in describing environmental processes, with emphasis on modelling.

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

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

Graduates may choose to continue their studies at the Ph.D. level with a variety of resources available to support their advanced level of research.

Erasmus exchange students can enroll for one or two semesters.

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

Programme organisation: Faculty of Environmental Sciences www.fzp.czu.cz

Programme duration: 2 academic years (120 ECTS)

Programme director: prof. Ing. Pavel Pech, CSc.

E-Mail: 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

Syllabus MSc in Environmental Modelling (Programme code N3914)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1 st year		
ZVX01Z	Introduction to Environmental Modelling	1
TAZ06E	Applied Mathematics for Environmental Modelling	6
LHX01Z	Computer Modelling I.	4
ZVX08E	Environmental Hydrology	6
ZVX09E	Computational Hydraulics	6
ZGX02E	Introduction to Geochemistry	5
ZXX10Z	Seminar I	2
ZVX07E	Physical - Chemical Aspects of Processes in Environmental	4
LHX04E	Computer Modelling II.	5
ZVX16E	Applied Hydropedology	6
ZVX10E	Groundwater Hydraulics	6
ZVX11E	Experimental Methods in Fluid Mechanics	5
ZVX12E	Numerical Methods	6
ZVX13E	Hydraulic Modelling	6
2 nd year		
ZVX19E	Hydrological Modelling	6
ZXX12Z	Seminar III	2
ZVX23E	Random Processes	5
ZVX15E	Transport of Contaminants in Atmosphere	5
ZOX01E	Environmental Hydrogeology	5
ZVX02E	Presentation of Environmental Data	4
ZVX17E	Flow in Atmospheric Boundary Layer	6
ZVX03Z	Applied Hydroinformatics	5
ZVX14E	Transport of Contaminants in Porous Environment	5

16. Master in NATURE CONSERVATION

The masters degree study program offered in English for Nature Conservation (NCO) is open for graduates of the bachelor study program in Applied Ecology, and for applicants with a background in ecology, biology, zoology, botany, geology, conservation biology, landscape ecology or environmental sciences. The NCO program is best suited for those wishing to acquire advanced knowledge and research-based skills in natural resource conservation. Previous course credit in statistics, physics or calculus is a plus for entering this degree program.

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

This degree centers on sustainable natural resources; students will acquire advanced knowledge on a range of methods for conserving the biosphere, applied ecology, ecosystems conservation and management, wetlands conservation, watercourse revitalization, game management, and methods of environmental assessment.

The two-year study program consists of required courses and research-based field studies.

Students may take additional classes not included in the NCO study plan; these will be added to your diploma supplement. Resources exist for graduates who wish to continue their studies at the Ph.D. level.

Erasmus exchange students can enrol for one or two semesters.

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

Programme organisation: Faculty of Environmental Sciences www.fzp.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

E-Mail: 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



Syllabus MSc in Nature Conservation (Programme code N3904)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
ZEX01E	Biodiversity	6
ZEX02E	Conservation Genetics	6
ZEX03E	Ecological Data Processing	6
ZGX02E	GIS I	5
ZBX09E	River Restoration	6
ZXX10Z	Seminar I	2
ZOZ04E	Environmental Geology and Earth System Sciences	3
ZXX14Z	Workshop I	1
ZEX04E	Ecosystems Conservation and Management	6
ZEX05E	Animals Ecology and Conservation	5
ZEX06E	Plants Ecology and Conservation	5
ZBX10E	Landscape Planning	6
ZEX07E	Non-forest Vegetation	6
ZEX02Z	Field Practice	2
ZXX11Z	Seminar II	2
ZXX15Z	Workshop II	1
2nd year		
ZXX12Z	Seminar III	2
ZUX02E	EIA and SEA	5
LRX06E	Environmental Economics	5
LLX04E	Forest Ecology and Management	5
LMX05E	Game Management	5
ZXX16Z	Workshop III	1
ZUX03E	Wetlands Conservation and Management	6
ZEX10E	Conservation Policy	4
ZEX11E	Protected Areas Management	4
ZOX01Z	Palaeoecology	3
ZEX03Z	Conservation at the Global Scale	3
ZEX09E	Conservation Biology	6

Master in LANDSCAPE PLANNING

Landscape Planning (LPA) is one of our popular accredited Masters Study programs offered in English. This interdisciplinary degree program blends together elements of landscape architecture, applied landscape ecology, spatial and regional planning, landscape history and natural sciences. It is open to graduates with a background in environmental sciences, landscape ecology, conservation biology, urban–regional or spatial planning, landscape architecture, civil engineering or math, and other related studies. Previous course credit in dendrology, plant or soil science, planning and landscape architecture is beneficial for entering this degree program but not a requirement.

Students learn by working on real projects and become skilled in applied sustainable land use planning and resource management. We often focus this work on the dynamic and varied landscape of the Czech Republic. Professors in the Faculty are actively conducting field research on land use change and other man-made and natural phenomena here the Czech Republic, however many also work world-wide in their given area of scholarship.

LPA is an accredited degree program required for practice of landscape engineering and design in the Czech Republic, the EU and applicable to international locations as well.

The two-year study program consists of required courses and research-based field studies.

Course work includes: landscape ecology, landscape architecture, spatial planning, land management, landscape history, ArcGIS, aquatic ecosystems, land reclamation, soils and erosion control, forest management, and settlement patterns of the Czech Republic. Students may take additional classes not included in the LPA study plan; these will be added to your diploma supplement. Resources are available for graduates who choose to continue their studies at the Ph.D. level.

Erasmus exchange students can enroll for one or two semesters.

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

Programme organisation: Faculty of Environmental Sciences www.fzp.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

E-Mail: sklenicka@fzp.czu.cz

ERASMUS & Exchange students coordinator:

Ing. Helena Michalkova

Faculty of Environmental Sciences

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

E-mail: michalkova@fzp.czu.cz

Syllabus MSc in Landscape Planning (Programme code N3914)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
ZBX17E	Landscape Architecture	6
ZBX14E	Landscape History	3
ZBX11E	Land Management	6
ZUX01E	Landscape Ecology	5
LDX22E	Vegetation in Land Management	5
ZXX10Z	Seminar I	2
ZXX31Z	Workshop I	2
ZGX02E	GIS I	5
ZBX18E	Land Register	3
ZBX15E	Spatial Planning	6
LPX26E	Forestry	5
ZUX04E	Water Resources Protection	6
APZ05E	Applied Soil Science	5
ZBX09Z	Landscape History Workshop	2
ZXX29Z	Workshop II	2
2nd year		
ZBX07E	Landscape Planning Studio I	3
ZBX16E	Land Reclamation	5
ZBX17E	Landscape Architecture	5
ZEX01Z	Aquatic Ecosystem Restoration	6
ZXX12Z	Seminar III	2
ZUX02E	EIA and SEA	5
ZBX01Z	Landscape Planning Studio Workshop	3
ZBX10E	Landscape Planning Studio II	3
ZEX10E	Conservation Policy	4
ZXX35Z	Diploma Thesis Seminar	1
ZBX05Z	Land Reclamation Workshop	3

MSc Environmental Geosciences (EGS)

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

Environmental Geosciences are currently at the forefront of many scientific disciplines and have an important practical outcome as well. The understanding of pollutants' behaviour in various environmental compartments, remediation of contaminated sites and evolution of ecosystems in the Earth's history are just a few examples of the topics covered by the programme. The laboratories at the Faculty of Environmental Sciences are equipped with high-end instrumentation for advanced specialized methods used in environmental geochemistry, such as speciation and specialized isotope analyses. These techniques are currently fast emerging and crucial in the developing fields of Environmental Geochemistry and Biogeochemistry.

Erasmus exchange students can enroll for one or two semesters.

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

Programme organisation: Faculty of Environmental Sciences www.fzp.czu.cz

Programme duration: 2 academic years (120 ECTS)

Programme director: Dr. Michael Komarek, PhD

E-Mail: komarek@fzp.czu.cz

ERASMUS & Exchange students coordinator:

Ing. Helena Michalkova

Faculty of Environmental Sciences

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

E-mail: michalkova@fzp.czu.cz



Syllabus MSc Environmental Geosciences (Programme code N3914)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
ZOX04E	Geology	5
APZ03E	Environmental Soil Science	5
ZOX02E	Introduction to Geochemistry	4
ZOX01E	Environmental Hydrogeology	5
ZEX03E	Ecological Data Processing	6
ZVX01Z	Introduction to Environmental Modelling	1
ZOX02Z	Practical and Computational Chemistry	1
ZOX03Z	Seminar for EGS I	1
ZOX03E	Environmental Geochemistry and Mineralogy	5
ZUX03E	Wetlands Conservation and Management	6
ZOX05E	Paleoecology	3
ZVX10E	Groundwater Hydraulics	6
ZOX06E	Environmental Analytical Chemistry	6
ZOX04Z	Seminar for EGS II	1
ZOX08Z	Geology – Field Lecture	1
ZOX05Z	Field Practice for EGS	6
2nd year		
ZBX16E	Land Reclamation	5
ZVX18E	Air Pollution	6
ZVX07E	Physical – Chemical Aspects of Processes in the Environment	4
ZOX07E	Environmental Contamination and Remediation Technology	5
ZUX06E	Drinking Water and Waste Water Treatment	4
ZOX06Z	Seminar for EGS III.	1
ZOX07Z	Workshop for EGS I.	1
ZVX14E	Transport of Contaminants in Porous Environment	5
ZOX08E	Environmental Soil Chemistry	6
ZOX09E	Waste Geochemistry Management	6

Bachelor in GAME MANAGEMENT

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

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

Programme organisation: Faculty of Forestry and Wood Sciences www.fld.czu.cz

Programme duration: 3 academic years (180 ECTS)

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

E-mail: cerveny@fld.czu.cz

ERASMUS exchange students' coordinator: Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

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Syllabus BSc in Game Management (Programme code B4132)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
LXL32Z	Introduction to study in FFWS	1
LMX02Z	Introduction to Game Management	2
ZBX02Z	Ordering and Evidence of Land Resources	4
ZEX12E	General Ecology	4
LMX03Z	Forest Zoology I.	5
LLX03E	Forest Ecology	5
TAL05E	Mathematics	5
	Czech language (for international students) foreign language (for Czech and international students)	2
RTL02Z	Sport and Physical Training	
LMX02E	Forest Zoology II.	5
ZVX21E	Environmental Chemistry	5
LLL14E	Dendrology	5
LHX05E	Biometrics	5
LHX02Z	Hunting - data processing	3
LRX01Y	Game Management Legislation in European Union	4
(**)	Czech language (for international students) foreign language	3
RTL03Z	Sport and Physical Training	
LMX04Z	Forest Zoology II. – field seminar	1
ZVX07Z	Environmental Chemistry – field seminar	1
LLL14Z	Dendrology – field seminar	1
2nd year		
EH103E	Rural Development	5
AMA14E	Food, Beverages and Food Additives	5
ARA42E	Alternative Agriculture	5
	Compulsory Optional Subject II	
AWA63Z	MSc. Thesis	5
APA21E	Soil Conservation and Protection	6
AAA30E	Weed Science	5

FACULTY OF FORESTRY AND WOOD SCIENCES

Code	Year of study / Subject	ECTS
AEL05E	Fishery and Fishpond Management	4
AVL02E	Veterinary Care of Game	5
LRX09E	Economy of Company FM	5
LMX08Z	Care of Game and Environment	5
(**)	Czech language (for international students) foreign language (for Czech and international students)	2
LXX06Z	Bachelor thesis	1
RTL02Z	Sport and Physical Training	
AVL02Z	Veterinary Care of Game – field seminar	1
AEL05Z	Fishery and Fishpond Management – field seminar	1
LPX07E	Basic of Silviculture	5
LLL12E	Phytosociology and Classification of Vegetation	5
LOX10E	Forest Protection (incl. Phytopathology)	8
AEL06E	Apiculture (Bee Keeping)	4
(**)	Czech language (for international students) foreign language (for Czech and international students)	3
LXX07Z	Bachelor Thesis	1
RTL03Z	Sport and Physical Training	
AEL06Z	Apiculture (Bee Keeping) – field seminar	1
LOX09Z	Forest Protection – field seminar	1
Optional subjects		
LTX05Z	Game Structures and Equipments	2
LHX09E	Forest Management I.	5
ARL10E	Basic of Agriculture	2
LHX10E	Forest Mensuration	4
LHX10Z	Forest Mensuration – field seminar	1
ARL10Z	Basic of Agriculture – field seminar	1
LHX07Z	Forest Management – field seminar	1
3 rd year		
LRX107E	Forest Valuation	4
LRX11E	Economic Aspects of Landscape Management	4
LOL21E	Typology of Hunting Districts and Game Management Planning	4
LMX08E	Hunting Cynology	4

Code	Year of study / Subject	ECTS
LMX09Z	Hunting	4
LMX09E	Game management	5
LXX08Z	Bachelor Thesis	1
LRX03Z	Forest Valuation – field seminar	1
LMX10E	Marksmanship and Ballistics	5
LMX11E	Control System and Check Methods in Game Management	4
ATL04E	Bases of Grassland and Pasture Management	2
LMX12E	Game Preserves and Pheasantries	3
LXX09Z	Bachelor Thesis	15
LMX10Z	Marksmanship and Ballistics – field seminar	1
LMX11Z	Game Preserves and Pheasantries – field seminar	1
Optional subjects		
LRX05Z	Forest and Agricultural Politics in CR and EU	2
EUL04Z	Accountancy	4

(**) Subject code to be determined

Bachelor in FORESTRY

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

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

Programme organisation: Faculty of Forestry and Wood Sciences www.fld.czu.cz

Programme duration: 3 academic years (180 ECTS)

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

E-mail: remes@fld.czu.cz

ERASMUS & exchange students' coordinator: Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

Phone: +420 224 384 871, **E-mail:** navratilova@fld.czu.cz

Syllabus BSc in Forestry (Programme code B 4132)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
LXL32Z	Introduction to studies	1
LDX05Z	Physiology and Anatomy for Forestry	5
ZOX04E	Geology	5
TAL05E	Mathematics	5
AAL02E	Basic Meteorology	6
ZOX08Z	* Field Seminar I - Geology	1
(**)	Czech Language for Foreign students/ Spanish Language for Czech students	2
RTL02Z	Physical Training & Sports	
APL04E	Soil Sciences for Forestry	5
LLL13E	Dendrology	5
LLL10E	Forest Botany	6
ZBX07E	Surveying	4
LMX04E	Zoology	6
(**)	Czech Language for Foreign students/ Spanish Language for Czech students	3
RTL03Z	Physical Training & Sports	
APL04Z	* Field Seminar II – Soil Sciences for Forestry	1
LLL13Z	* Field Seminar III – Dendrology	1
LLL10Z	* Field Seminar IV – Forestry Botany	1
ZBX08Z	* Field Seminar V – Surveying	2
LMX05Z	* Field Seminar VI – Zoology	1
2nd year		
LOX06E	Entomology	6
LHX06E	Biometry	5
LOX07E	GIS in Forestry	5
ZVX22E	Hydraulics	4
LTX03Z	Forestry Mechanisation	3
LMX07E	Wildlife Management	5
LMX06Z	Field Seminar I – Wildlife Management	1
(**)	Czech Language for Foreign students/ Spanish Language for Czech students	2
RTL02Z	Physical Training & Sports	

FACULTY OF FORESTRY AND WOOD SCIENCES

Code	Year of study / Subject	ECTS
LLX02E	Forest Ecology	5
LLL11E	Phytosociology and Classification of Communities	5
LTX03E	Forest Harvesting	3
LHX08E	Forestry Mensuration	5
LXX07Z	Bachelor Thesis Preparation	1
(**)	Czech Language for Foreign students/ Spanish Language for Czech students	2
RTL03Z	Physical Training & Sports	
LLX03Z	* Field Seminar II – Forest Ecology	1
LLL11Z	* Field Seminar III – Phytosociology and Classification of Communities	1
LTX04Z	* Field Seminar IV – Mechanization and Forest Harvesting	2
LHX03Z	*Field Seminar V – Forest Mensuration	1
3 rd year		
LRX08Z	Forestry Economy	5
LZX04E	Wood Sciences	5
LOX06Z	Forest Phytopatology	5
LPX05E	Silviculture I	5
LXX08Z	Bachelor Thesis Preparation	1
LOX09E	Forest Protection I	6
LPX06E	Silviculture II	6
LHX07E	Forest Management I	6
LHX04Z	Forest Wood Production	5
LOX07Z	* Field Seminar I – Forest Protection I	1
LHX05Z	* Field Seminar II – Forest Management I	1
LPX04Z	* Field Seminar III – Silviculture I	1
LPX05Z	* Field Seminar IV – Silviculture II	1
LXX09Z	Bachelor Thesis	15

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

(**) Subject code to be determined

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).

Programme organisation: Faculty of Forestry and Wood Sciences, www.fld.czu.cz

Programme duration: 2 academic years (120 ECTS)

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

E-Mail: lstiburek@fld.czu.cz

ERASMUS & exchange students' coordinator: Ing. Kateřina Navrátilová

Faculty of Forestry and Wood Sciences

Phone: +420 224 384 871 E-mail: navratilova@fld.czu.cz

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

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
ZBX03E	Water Resources Management	6
ZEL01E	Ecology and Ecological Methods	6
ZUL03E	Landscape ecological applications	6
LPX07Z	Urban Forestry	6
LLX01E	Forest Ecology	6
LDX19E	Forest Dendrology, Genetics and Tree Breeding	6
LLX05E	Classification of Vegetation	6
LPX20E	Silviculture	6
LPX22E	Special Silviculture I	6
ZBL02E	Irrigation and Drainage	6
LXX02Z	MSc Thesis Seminar	1
ZBL04Z	Irrigation and Drainage - Field lecture	1
LDX22Z	Forest Dendrology, Genetics and Tree Breeding (field lecture)	1
LLX01Z	Forest Ecology (field lecture)	1
2nd year		
LHX17E	Forest Management	6
ZVL01E	Applied Hydraulics and Hydrology	6
ZGL03E	GIS for Forest and LM	6
LZX01E	Logging and Wood Processing	6
LHX18Z	Forest Management – field lecture	1
LXX03Z	MSc Thesis Seminar	1
LOX12E	Forest Protection	6
LRX07E	Forest Enterprise Economics	6
ZGL01E	Hydroinformatics	6
LXX01Z	MSc. Thesis	10

Code	Year of study / Subject	ECTS
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
LPX23E	Special Silviculture II	6
APA22E	Soil Taxonomy Survey and GIS	6
LDX20E	Physiology of Growth and RFT	6

Bachelor in AGRICULTURAL ENGINEERING

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

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

Programme organization: Faculty of Engineering (FE) www.tf.czu.cz

Programme duration: 3 academic years (183 ECTS)

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

E-mail: kumhala@tf.czu.cz

Student Affairs:

Lucie Marečková, E-mail: mareckoval@tf.czu.cz

Phone: +420 224 383 212

Syllabus BSc Agricultural Engineering (Programme code B4101)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
	Foreign language I	2
AHA29E	Agricultural systems I	5
ACT03E	Chemistry	5
TAT11E	Mathematics I	7
TGT52E	Informatics	4
TCT09E	Introduction to engineering visualisation	5
RTX12Z	Physical training and sport	1
	Foreign language I	3
TBT11E	Engineering Physics	6
TAT09E	Mathematics II	6
TDT12E	Introduction to Material Science	5
ALE02E	Agricultural systems II	5
TAT10E	Engineering statistics	3
RTX13Z	Physical training and sport	1
TFT22Z	Practical training	2
2nd year		
TZT14E_1	Czech language and culture	3
THT13E	Electrical Engineering	5
TCT11E	Introduction to engineering work	3
TCT14E	Engineering mechanics	5
TCT31E	Strength of materials	5
TDT11E	Manufacturing technology	5
TZT14E_2	Czech language and culture	3
TCT32E	Fluid mechanics	4
TCT16E	Theory of machines	4
TCT34E	Fuels and lubricants	4
TFT47E	Machinery for plant production	5
TBT13E	Introduction to Agromaterials	6

Code	Year of study / Subject	ECTS
TBT12E	Renewable energy sources	4
TCT33E	Energetical engines	4
3 rd year		
ENE41E	General Economics I.	5
TET26E	Tractors and transportation equipment	5
APA38E	Soil science	6
TCT21E	Biosystems engineering	5
TGT106E	Machinery for animal production	5
TGX06E	Food engineering	5
TZT13Z	Bachelor thesis preparation	4
TJT16E	Quality, dependability and renewal of machines	5
TIT21E	Production system management	5
TFX48E	Precision farming	4
TFT49E	Processing of particular substances	6
TZT14E	Bachelor thesis preparation	8

Master in TECHNOLOGY and ENVIRONMENTAL ENGINEERING

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

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

Programme organisation: Faculty of Engineering, www.tf.czu.cz

Programme duration: 2 academic years (120 ECTS)

Programme director: Prof. Dr. Ing. František Kumhála

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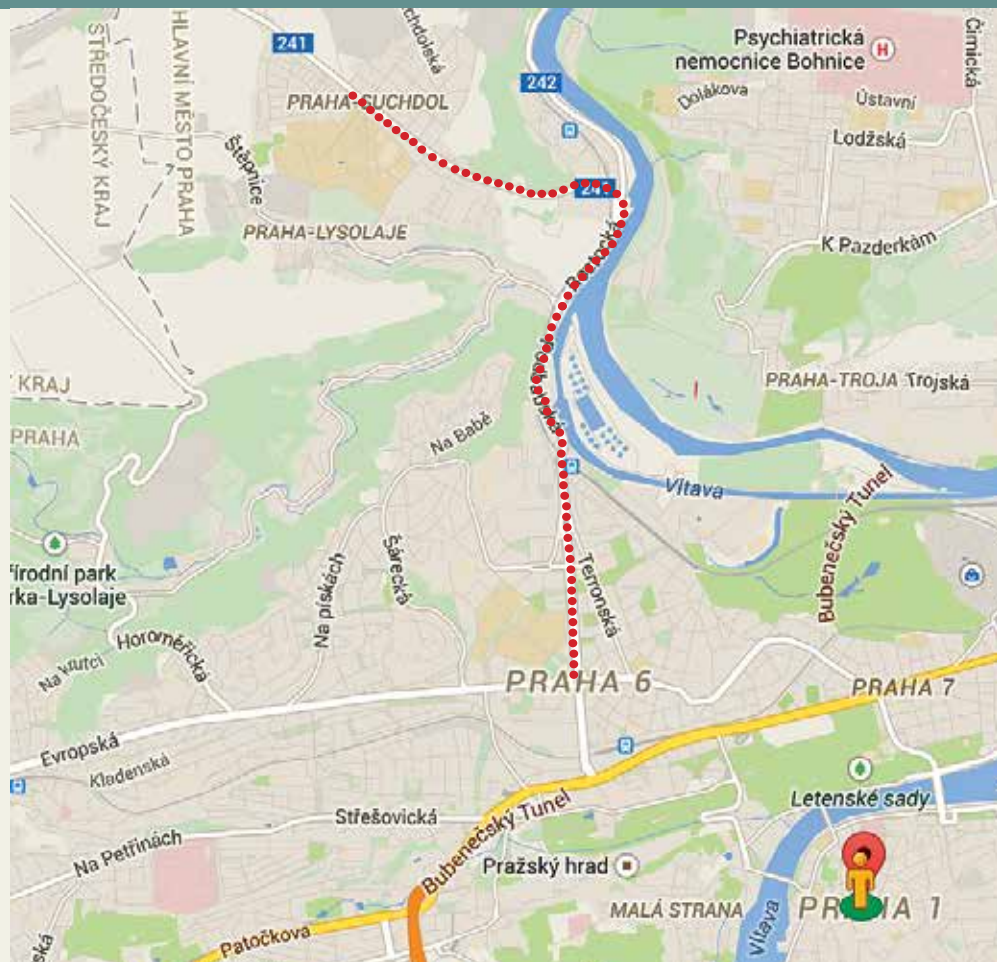
Syllabus MSc in Technology and Environmental Engineering (Programme code N4110)

	Winter semester
	Summer semester

Code	Year of study / Subject	ECTS
1st year		
TAT06E	Applied Mathematics	6
TBT02E	Applied physics	6
ZEL01E	Ecology and Ecological methods	6
TCT07E	Basic Applied Mechanics	6
IUT16E	Environmental Engineering in Agriculture	6
TBT05E	Agro-materials	6
TDT07E	Material Science	6
THT01E	Energy Supply and Electric Drives	6
	Compulsory optional subject I	
	Compulsory optional subject II	
	Compulsory optional subjects I	
AIA04E	Soil and Water Relations	6
TGT03E	Storage of Agricultural Materials	6
TGT110E	Techniques of Environment	6
TZT10Z	Project TEE- optional	3
	Compulsory optional subjects II	
AHA17E	Soil and Plants Relations	6
TET19E	Rural Engineering	6
TGT49E	Technology of Food Packaging	6
TFT46E	Fluid Power Mechanisms	6
2nd year		
TET09E	Automobiles and Tractors	6
TFT01E	Technology and Technique for plant production	6
TGT01E	Technological Equipment of Buildings for Animal Production	6
ZUL03E	Landscape Ecological Application	6
	Compulsory optional subject III	
TIT08E	Mobile Machinery Utilization	6
EEE68E	Environmental Economy	5

TJT01E	Logistic Management	6
TGT02E	Technological Equipment for Waste Management	6
TZT05Z	Diploma Thesis - Project	7
TZT10Z	Project TEE- optional	3
Compulsory optional subjects III		
APA21E	Soil Conservation and Protection	6
TGT48E	Brewing Czech Beer	6
TGT06E	Transport, Handling and Manipulation Machinery	6
TGT22E	Process Engineering in Agri-food Industries	6
optional subjects		
TGT35Z	Program. In Windows Environ. and Visual Basic - optional 2nd year	3
TZT10Z	Project TEE- optional 1st, 2nd year	3





Publisher:

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Supported by the European Commission's Programme ERASMUS+
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www.ica-europe.info

STUDENT GUIDE



ACADEMIC YEAR 2016/2017



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