



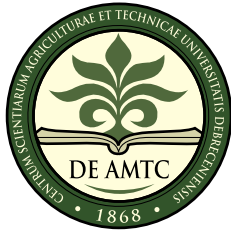
UNIVERSITY OF DEBRECEN
CENTRE FOR AGRICULTURAL SCIENCES
AND ENGINEERING

INTERNATIONAL COURSE CATALOGUE
PRACTICAL GUIDE FOR ERASMUS STUDENTS

2009/2010







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CENTRE FOR AGRICULTURAL SCIENCES AND
ENGINEERING

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2009/2010



This publication is available at the Centre for External Relations
of the University of Debrecen
Centre for Agricultural Sciences and Engineering

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INTERNATIONAL STUDENTS' OPINION



Xavier Mestdagh (Belgium)

Thanks to a warm welcome I have spent a wonderful time at the Centre for Agricultural Sciences and Engineering in Debrecen right from the start.

The courses offered in English were very interesting and the professors were really well prepared. There are lots of things to see in the city and in its surroundings and there is a teeming student life with many international students.



Weronika Ciesluk (Poland)

I will always remember the semester spent in Debrecen. The Campus of the Centre is always full of life. The different kinds of quiz shows and other social programmes give a chance to make relationships, and to find new friends. I will never forget the hospitality of the Hungarian people. The land of paprika, goulash, Tokaji wine and the czardas will always be a very fond memory for me.



Bastien Bourge (France)

I spent four months at the Faculty of Agriculture of the University of Debrecen. It was an incredibly nice period of my life. I got to know Hungarian culture and the ERASMUS way of life. That was an opportunity that I can definitely recommend to all the university students in Europe.



Christian Coulee (Belgium)

Being in the fourth year of my degree in l'ISI Huy Belgium, I didn't want to miss the opportunity of joining the ERASMUS community.

And why Hungary (Debrecen)?

First, because of the reputation of the Hungarian knowledge in agronomy, but now that I am here, also because of the kindness of the Magyar people and their never ending nights...

English is the only language we have in common, so we are getting better and better every single day just communicating with other ERASMUS and Hungarian students.



Iva Krepelova (Czech Republic)

When I was searching for an appropriate place for my ERASMUS studies, one of my friends suggested to me the Centre for Agricultural Sciences and Engineering in Debrecen, saying that it has a wide range of international courses, the people are friendly and Debrecen is a wonderful city. Here I could find courses I can make a good use of to complement my studies at home in the Czech Republic. Having been an ERASMUS student at the Centre for Agricultural Sciences and Engineering of the University of Debrecen, I know coming here was a perfect choice.

1. The city of Debrecen

Debrecen is situated in Eastern Hungary, on an area of approximately 450 square kilometres. As the centuries old traditional economic, cultural and scientific centre of the territory East of the river Tisza, Debrecen is justifiably considered to be the "regional capital". Its population numbers almost 250,000, which makes it Hungary's second largest town. Part of the town has been ranked an official holiday resort, due to its thermal baths, modern holiday and bathing facilities, all found in the Great Forest (Nagyerdő), as well as due to its cultural, catering and tourist establishments. Debrecen is also famous for its proximity to the Hortobágy puszta (National Park), where the indigenous "racka" sheep and the semi-wild grey cattle graze side by side with the many varieties of birds that make the "puszta" their home every spring and fall. Debrecen is also a centre of cultural heritage preservation, thanks to its inhabitants' energetic drive to make their city a source of tradition and pride.



2. The University of Debrecen

2.1. General information about the University

Name of Institution: University of Debrecen

Address (central offices): H-4010 Debrecen, Egyetem tér 1.

Telephone: +36-52-316-666

Fax: +36-52-316-185

E-mail: rector@admin.unideb.hu

Internet: <http://www.unideb.hu>

Erasmus code: HU DEBRECE01

2.2. History of the University of Debrecen

The roots of higher education in Debrecen go back to the Medieval period; the Reformist/Calvinist High School and College were founded almost five hundred years ago. During the first half of the XXth century, the various faculties were parts of one university complex, up to the end of World War II, after which the university was split into independent units. All of the previously unified faculties continued their work as new, separate universities, creating the structure of completely new, parallel governing bodies, with their own economic structures, separate financial offices, educational and admission boards, and libraries.

Their separate evolution and the construction of new elements in their education programmes went on for forty years. This splitting of university faculties took place similarly all over Hungary. The political changes of the early 1990s brought about many structural changes in higher education.

In Debrecen, as elsewhere, consensus was reached to reunify the separated universities once again into a larger university structure.

The UNIVERSITAS ASSOCIATION (Association of Debrecen Universities) was founded in 1991, with the following member institutions:

Debrecen Agricultural University (DATE)

University Medical School of Debrecen (DOTE)

Debrecen Academy of Reformed Theology (DRHE)

Kossuth Lajos University (KLTE)

Institute of Nuclear Research of the Hungarian Academy of Sciences (ATOMKI)

The Association has served as a common body, at first functioning in an uncertain legal environment (e.g. The Higher Education Act of 1993 did not recognise it as a

university and it could not issue diploma or degrees). It survived such challenges through successful, co-operative efforts, and began to build the elements of an integrated university structure. In co-operation with the experts from the World Bank, the preparation of a Common Institutional Development Plan began, which aimed to further integrate and modernise higher education. By 1st January 2000, the University of Debrecen was formed, with an initial total enrolment of over 20,000 students. The new university was one of the most complex of the higher education institutional unification processes that occurred in Hungary, and has gained a great deal of prestige for its success in being able to integrate so many bodies under one administrative roof. The colleges and universities of Hajdú-Bihar County have been integrated and, as a result, the University of Debrecen launched with five university and three college level faculties. The faculties of the formerly independent, three large universities of Debrecen that entered this union are: the Faculty of Agriculture (DATE), the Faculty of Medicine (DOTE), the Faculty of Science, and the Faculty of Arts (both KLTE). Further units that entered this organisation not belonging to any faculty before 1st January 2000 are: the Faculty of Economics (KLTE), the István Wargha Teacher Training College in Hajdúböszörmény, the College of Health in Nyíregyháza, and the Faculty of Engineering (KLTE). An additional unit, the Debrecen Conservatory also joined the new university family, as a special artist-training institute.





There are additional institutes which were integrated, such as the Faculty of Agricultural Economics and Rural Development, Farm and Regional Research Institute, Institute for Extension and Development in Debrecen and research institutes in Karcag and Nyíregyháza.

Other departments, such as the Department of Dentistry, the Department of Pharmacology or the Department of Law became faculties in September 2003. ATOM-KI, the Nuclear Research Institute, and the bodies maintained by the Hungarian Reformed Church (the Debrecen University of Reformed Theology and KFRTF) are affiliated institutions of the University of Debrecen.

2.3. Units of the University of Debrecen

CENTRE FOR AGRICULTURAL SCIENCES AND ENGINEERING

FACULTY OF AGRICULTURE

H-4032 Debrecen, Böszörményi út 138.

FACULTY OF APPLIED ECONOMICS AND RURAL DEVELOPMENT

H-4032 Debrecen, Böszörményi út 138.



RESEARCH AND INNOVATION CENTRE

DEBRECEN UNIVERSITY FARM AND REGIONAL RESEARCH INSTITUTE
H-4032 Debrecen, Böszörményi út 138.

INSTITUTE FOR EXTENSION AND DEVELOPMENT
H-4032 Debrecen, Böszörményi út 138.

RESEARCH INSTITUTE OF KARCAG
H-5300 Karcag, Kisújszállási út

RESEARCH INSTITUTE OF NYÍREGYHÁZA
H-4400 Nyíregyháza, Westsik Vilmos út 4-6.

CENTRE OF ARTS, HUMANITIES AND SCIENCES

FACULTY OF ARTS
H-4010 Debrecen, Egyetem tér 1.

FACULTY OF SCIENCE AND TECHNOLOGY
H-4010 Debrecen, Egyetem tér 1.

FACULTY OF INFORMATICS
H-4010 Debrecen, Egyetem tér 1.

FACULTY OF LAW
H-4028 Debrecen, Kassai út 26.

FACULTY OF ECONOMICS AND BUSINESS ADMINISTRATION
H-4028 Debrecen, Kassai út 26.



COLLEGE FACULTY OF EDUCATION OF HAJDÚBÖSZÖRMÉNY
H-4220 Hajdúböszörmény, Désány I. u. 1-9.

FACULTY OF MUSIC
H-4032 Debrecen, Egyetem tér 2.

FACULTY OF ENGINEERING
H-4028 Debrecen, Ótemető utca 2/4

MEDICAL AND HEALTH SCIENCES CENTRE

FACULTY OF MEDICINE
H-4012 Debrecen, Nagyerdei krt. 98.

FACULTY OF DENTISTRY
H-4012 Debrecen, Nagyerdei krt. 98.

FACULTY OF PHARMACY
H-4012 Debrecen, Nagyerdei krt. 98.

FACULTY OF HEALTH
H-4400 Nyíregyháza, Sóstói út 2.

FACULTY OF PUBLIC HEALTH
H-4028 Debrecen, Kassai u. 26/b

2.4. Research

The great majority of our research work is of the high standards necessary to ensure international impact, as proved through the reputation of the publications in which it may be regularly found and by citation indexes. In the "Hungarian" sciences, research projects are of a national character and impact, and in certain areas, such as e.g. local history or settlement geography, they are closely connected to the immediate environment.

Several units of the University have strong scientific and professional links with the Debrecen Chapter of the Hungarian Academy of Sciences (MTA) whose activity relies mainly on the researchers and instructors of the University (of whom 26 are members of the MTA and 140 are doctors of the Academy).

Other areas of professional and research co-operation include those with other Hungarian universities with corresponding research profiles and with the appropriate departments of the MTA, one of which (the Nuclear Research Institute) is

based in Debrecen. In addition, there are numerous international research contacts, working together with dozens of universities and research institutions all over the world.

As a result of the close co-operation between the different units of the University, a new Life Sciences Center was opened in 2005, which houses state-of-the-art research in medical, biological and agricultural sciences.

3. The Centre for Agricultural Sciences and Engineering

Agricultural higher education in Debrecen has a history spanning back more than a hundred and forty years. A general economic boom sparked a movement for modernisation which included the training of knowledgeable agricultural specialists. A national agricultural college was established in 1868, in answer to this need. This date marks the beginning of higher agricultural education in Debrecen. Work in the forerunner to the Research Institute in Karcag began in 1947, and the Institute for Production Development was established in 1960. On the basis of a decision of the Hungarian Ministry of Agriculture, the Nyíregyháza Research Centre for Seed Production and Marketing was attached to the former Agricultural University, in 1992.

3.1. General information

Name of Institution:	University of Debrecen, Centre for Agricultural Sciences and Engineering
Address:	4032 Debrecen, Böszörményi út 138. 4015 Debrecen, P.O.Box 36., Hungary
Tel.:	+36 52 508 444
Tel./Fax.:	+36 52 508 406 (Centre for External Relations)
Internet:	http://www.agr.unideb.hu

3.2. Our Goals

The basic objective of the Centre is to turn out well-trained, knowledgeable agricultural specialists, and to provide them with further training that will enable them to play a creative role in society and the development of agricultural pro-

duction. Thus, the Centre provides students with up-to-date, comprehensive professional knowledge, based on solid theoretical foundations.

Students also acquire the practical skills and competence needed to excel professionally and to actively participate in activities in the public sector. As part of a research network, the Centre works to meet social and economic challenges by conducting basic and applied research, both integrated into its educational programs.

It is also engaged in wide-ranging extension service activities, and takes part in various joint scientific and production projects, including those towards environmental protection.

The Centre's major responsibilities also include the training of a new generation of scientists and specialists, and the setting up of scientific workshops and schools.

3.3. Programs for International Students

Graduate Programs

Faculty of Agriculture

- Animal Science MSc
- Agricultural Engineering MSc
- Food Safety and Quality MSc
- Environmental Management MSc

Length of study: 4 semesters
Tuition fee: 3500 EUR/academic year

Faculty of Applied Economics and Rural Development

- Master of Business Administration

Length of study: 4 semesters
Tuition fee: 2500 EUR/academic year

Specialization

- Aquaculture and Fisheries Management

Length of study: 2 semesters
Tuition fee: 3000 EUR/academic year

Description of courses and application form: www.agr.unideb.hu/edueng/

Further information: Centre for External Relations

Contact person: Ms. Eva Dorina Marian

Email: mariandori@agr.unideb.hu, externalrelations@agr.unideb.hu

Tel/Fax: +36 52 508 406

3.4 Doctoral Schools and Programs

Kálmán Kerpely Doctoral School of Interdisciplinary Agriculture and Science

- Leasehold - regional development
- Agricultural Engineering
- Environmental Management
- Horticulture
- Horticultural Biotechnology

Supervisor: Prof. Dr. János Nagy

Doctoral School of Animal Science

- Ruminants - food production of animal origin
- Forage, Ichthyology
- Theriogenology, Genomics
- Animal breeding - gene protection, Animal Ecology

Supervisor: Prof. Dr. András Kovács

Jenő Hankóczy Doctoral School of Crop production and Horticulture

- Sustainable Crop Production
- Food analytics, Food Safety

Supervisor: Prof. Dr. Zoltán Győri

Károly Ihrig Doctoral School of Applied Economics and Management

- Economics of Agribusiness and Rural Development
- Characteristics and Manageability of Social Asymmetries

Supervisor: Prof. Dr. Gábor Szabó

Length of study: 6 semesters

Tuition fee: 4200 EUR/academic year

Further information: Centre for External Relations

Contact person: Ms. Eva Dorina Marian

Email: mariandori@agr.unideb.hu, externalrelations@agr.unideb.hu

Tel/Fax: +36 52 508 406

3.5 MSc courses in English

AGRICULTURAL ENGINEERING (MSc)

About the course

The MSc in Agricultural Engineering is designed to develop your undergraduate knowledge and improve it through application and research. The field of Agricultural Engineering is broad and the programme reflects this diversity, with emphasis on Applied biochemistry, Applied plant physiology, Applied genetics and biotechnology, Applied soil science, Production physiology, Nutrient management are the key research areas of the Institute.

Throughout your stay at Debrecen University, which is the second largest university in Hungary, with 30 000 students, as a postgraduate student of Agricultural Engineering, you will have a personal academic tutor to guide you through your studies and to meet your individual goals and interests.

We offer you a 6 week field practice in summer.

Areas of Study

Animal Nutrition, Integrated Crop Production, Animal Husbandry, Soil Cultivation and Land Development, Horticulture, Environment and Land Use, Marketing, Product Quality, Sectoral Economy, Research Methodology, Communication, Quality Assurance, Management, Goat Breeding, Medical and Spice Crops Production, Biometrics, Integrated Plant Protection, Organic Farming, Ethology, Project Management, EU knowledge, Animal Breeding, Milk and Meat Processing, Extension in Crop Production

Entry qualifications

BSc degree or higher in Agricultural Science.

BSc degree or higher in a biologically-related degree.

Other approved accreditation or professional qualification.

Please note that applicants are required to fill in an application form and attend an interview.

Course length

Two year full-time taught programme plus dissertation.

Presently no part-time options available.

Credits: 120

Learning and assessment

Learning is through lectures, tutorials, seminar groups, practical sessions, research projects and self-directed study. Assessment is via oral and written examinations and a research dissertation.

Careers

Postgraduates may progress to a PhD or find employment in agricultural science research, crop science research, lecturing, consultancy or other science-based sectors of crop production, animal husbandry, and agriculture or food industry. Our Institute has a good relationship with agricultural enterprises of the region.

Tuition fee

3500 EUR/academic year

ANIMAL SCIENCE (MSc)**About the course**

The MSc in Animal Science is designed to develop your undergraduate knowledge and improve it through application and research. The field of Animal Science is broad and the programme reflects this diversity, with emphasis on Physiology, Nutrition and Genetics. Gene Conservation, Functional Food and Molecular Biology are the key research areas of the Institute.

Throughout your stay at Debrecen University, which is the second largest university in Hungary, with 30 000 students, as a postgraduate student of Animal Science, you will have a personal academic tutor to guide you through your studies and to meet your individual goals and interests.

We offer you a 4 week field practice in summer.

Areas of Study

Biochemistry, Quantitative and Molecular Genetics, Physiology, Reproductive Biology, Microbiology, Research Methods, Animal Production, Animal Nutrition, Natural Resource Management, Wild Animal Health, Aquaculture, Fisheries and Management, Food Safety and Quality, Economics and Planning.

Entry qualifications

BSc degree or higher in Biological or Animal Science.

BSc degree or higher in a biologically-related degree.

Other approved accreditation or professional qualification.

Please note that applicants are required to fill in an application form and attend an interview.

Course length

Two year full-time taught programme plus dissertation.

Presently no part-time options available.

Credits: 120

Learning and assessment

Learning is through lectures, tutorials, seminar groups, practical sessions, research projects and self-directed study. Assessment is via oral and written examinations and a research dissertation.

Careers

Postgraduates may progress to a PhD or find employment in animal science research, lecturing, consultancy or other science-based sectors of the animal science industry. Our Institute has a good relationship with animal husbandry enterprises of the region.

Tuition fee

3500 EUR/academic year.

ENVIRONMENTAL MANAGEMENT (MSc)

About the course

The MSc in Environmental Management is designed to develop your undergraduate knowledge and improve it through application and research. The field of Environmental Management is broad and the programme reflects this diversity, with emphasis on Natural Resource Management, Environmental Impact Assessment, Environmental Technologies, Environmental Informatics, which are the key research areas of the Department of Water and Environmental Management responsible for the course.

Throughout your stay at Debrecen University, which is the second largest university in Hungary, with 30 000 students, as a postgraduate student of Environmental Management, you will have a personal academic tutor to guide you through your studies and to meet your individual goals and interests.

We offer you a 4 week field practice in summer.

Areas of Study

Public Administration Organization-Environmental Law, Natural Resource Management, Sustainable Agricultural Systems and Technologies, Land Use and Regional Planning, Environmental Impact Assessment, Environmental Laboratory Measurement Techniques, Ecotoxicology, Environmental Technologies, Nature Protection, Water Resource Management and Water Quality Protection, Landscape

Management, Environmental and Quality Management, Environmental Informatics, Agri-Environmental Politics, Environmental Economy, Agricultural Remote Sensing, Agrohydrology-Agricultural Watershed Management, Precision Agriculture, Environmental Health, Agri-Environmental Protection.

Entry qualifications

BSc degree or higher in Environmental Science.

BSc degree or higher in an environmental-related degree.

Other approved accreditation or professional qualification.

Please note that applicants are required to fill in an application form and attend an interview.

Course length

Two year full-time taught programme plus dissertation.

Presently no part-time options available.

Credits: 120

Learning and assessment

Learning is through lectures, tutorials, seminar groups, practical sessions, research projects and self-directed study. Assessment is via oral and written examinations and a research dissertation.

Careers

Postgraduates may progress to a PhD or find employment in environmental management, lecturing, consultancy or other sectors where environmental management is involved.

Tuition fee

3500 EUR/academic year.

FOOD SAFETY AND QUALITY (MSc)

About the course

The MSc in Food Safety and Quality is designed to develop your undergraduate knowledge and improve it through application and research. The field of Food Science is broad and the programme reflects this diversity, with emphasis on Raw Material Qualifying, Processing Technology, Quality Analysis and Quality Assurance.

Throughout your stay at Debrecen University, which is the second largest university in Hungary, with 30 000 students, as a postgraduate student of Food Safety and Quality, you will have a personal academic tutor to guide you through your studies and to meet your individual goals and interests.

Areas of Study

Organic and Biochemistry, Food Safety and Quality, Food Processing Technology, Economics, Physical, Chemical and Microbiological Analysis, Laboratory Practices

Entry qualifications

BSc degree or higher in Food Engineering, Chemical Engineering, Biological Science, Agronomy.

BSc degree or higher in a chemically and biologically-related degree.

Other approved accreditation or professional qualification.

Please note that applicants are required to fill in an application form and attend an interview.

Course length

Two year full-time taught programme plus dissertation.

Presently no part-time options available.

Credits: 120

Learning and assessment

Learning is through lectures, tutorials, seminar groups, practical sessions, research projects and self-directed study. Assessment is via oral and written examinations and a research dissertation.

Careers

Postgraduates may progress to a PhD or find employment in food and dietetics science research, lecturing, consultancy or other science-based sectors of the food science industry. Our Institute has a good relationship with food processing and qualifying enterprises and government organizations of the region.

Tuition fee

3500 EUR/academic year.

3.5. Erasmus partner institutions

AUSTRIA	UNIVERSITÄT FÜR BODENKULTUR WIEN
BELGIUM	HAUTE ECOLE CHARLEMAGNE, LIEGE
BELGIUM	UNIVERSITÉ CATHOLIQUE DE LEUVEN
BELGIUM	UNIVERSITEIT GENT
BELGIUM	UNIVERSITÉ CATHOLIQUE DE LOUVAIN
BELGIUM	UNIVERSITY OF GEMBLoux
CZECH REPUBLIC	MENDEL UNIVERSITY OF AGRICULTURE AND FORESTRY BRNO
CZECH REPUBLIC	CZECH UNIVERSITY OF AGRICULTURE, PRAGUE
DENMARK	THE ROYAL VETERINARY AND AGRICULTURAL UNIVERSITY
DENMARK	UNIVERSITY OF COPENHAGEN
ENGLAND	WRITTLE COLLEGE
FINLAND	JYVÄSKYLÄ POLYTECHNIC
FINLAND	UNIVERSITY OF JOENSUU
FINLAND	UNIVERSITY OF HELSINKI
FRANCE	FESIA: – INSTITUT SUPERIEUR D'AGRICULTURE (LILLE) – INSTITUT SUPERIEUR D'AGRICULTURE DE BEAUVAIS – ECOLE SUPERIEURE D'AGRICULTURE (ANGERS) – INSTITUT SUPERIEUR D'AGRICULTURE ET D'AGRO ALIMENTAIRE RHONE-ALPES (LYON) – ECOLE SUPERIEURE D'AGRICULTURE DE PURPAN (TOULOUSE)
FRANCE	UNIVERSITE JEAN MOULIN LYON 3
GERMANY	CHRISTIAN ALBRECHTS UNIVERSITÄT ZU KIEL
GERMANY	HUMBOLDT UNIVERSITÄT ZU BERLIN
GERMANY	TECHNISCHE UNIVERSITÄT MÜNCHEN
GERMANY	UNIVERSITÄT HOHENHEIM
GERMANY	UNIVERSITÄT ROSTOCK
GREAT-BRITAIN	SCOTTISH AGRICULTURAL COLLEGE, EDINBURGH
GREECE	TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CRETE (HERAKLION)
GREECE	TECHNOLOGICAL EDUCATIONAL INSTITUTION OF ATHENS

GREECE	UNIVERSITY OF THESSALY
GREECE	AGRICULTURAL UNIVERSITY OF ATHENS
IRELAND	GALWAY-MAYO INSTITUTE OF TECHNOLOGY
IRELAND	UNIVERSITY OF LIMERICK
ITALY	UNIVERSITÀ DEGLI STUDI DI PERUGIA
ITALY	UNIVERSITÀ DI PISA
ITALY	UNIVERSITÀ DEGLI STUDI DELLA TUSCIA
ITALY	UNIVERSITÀ DEGLI STUDI DI UDINE
LITHUANIA	LITHUANIAN UNIVERSITY OF AGRICULTURE
POLAND	WARSAW AGRICULTURAL UNIVERSITY
POLAND	AGRICULTURAL UNIVERSITY OF WROCLAW
POLAND	WROCLAW UNIVERSITY OF ENVIROMENTAL AND LIFE SCIENCES
POLAND	THE AUGUST CIESZKOWSKI AGRICULTURAL UNIVERSITY OF POZNAN
POLAND	TECHNOLOGICAL UNIVERSITY OF PRZYRODNICZY
PORTUGAL	UNIVERSIDADE DE TRÁS-OS-MONTES E ALTO-DOURO
ROMANIA	UNIVERSITY OF ORADEA
ROMANIA	UNIVERSITATEA LUCIAN BLAGA DIN SIBIU
SLOVAKIA	SLOVAK AGRICULTURAL UNIVERSITY NITRA
SLOVAKIA	UNIVERSITY OF AGRICULTURE IN NITRA
SPAIN	UNIVERSITAT DE LLEIDA
SPAIN	UNIVERSIDAD DE CASTILLA-LA MANCHA
SPAIN	UNIVERSIDAD DE ZARAGOZA
SPAIN	UNIVERSIDAD POLITECNICA DE VALENCIA
SWEDEN	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES
THE NETHERLANDS	WAGENINGEN UNIVERSITY
TURKEY	ATATURK UNIVERSITY
TURKEY	AKDENIZ UNIVERSITY
TURKEY	CUKUROVA UNIVERSITY

4. International Course Catalogue for Erasmus students Centre for Agricultural Sciences and Engineering

Several courses in the field of agronomy and agricultural economics are available in English, German or French languages. We can also offer individual consultation and examination possibilities in almost every department, as well as participation in research projects running currently at our institution in different scientific fields. The Centre for External Relations can help in finding the appropriate experts for consultation on projects designed to include international students. Courses offered are as follows:

• FACULTY OF AGRICULTURE

COURSE TITLE	SOIL CHEMISTRY	CODE	AFL001E
		Credits:	3
COORDINATOR	DR. MÁRIA CSUBÁK	Hours:	26
		Language:	ENGLISH
CONTENTS	Cation adsorption, soil acidity, acid-base buffer properties, humus chemistry		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	SOIL MICROBIOLOGY	CODE	AFL002E
		Credits:	3
COORDINATOR	DR. JÁNOS KÁTAI	Hours:	26
		Language:	ENGLISH
CONTENTS	The microbiota of soil, transformation of nitrogen compounds (ammonification, denitrification, non-symbiotic and symbiotic nitrogen fixation), transformation of carbon compounds (degradation of organic carbon compounds), transformation of sulfur compounds, microbial activity of soils		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	APPLIED SOIL SCIENCE	CODE	AFL003E
		Credits:	3
COORDINATOR	DR. ÁGNES OLÁH ZSUPOSNÉ	Hours:	26
		Language:	ENGLISH
CONTENTS	Soil degradation processes, Soil erosion, soil deflation, soil amelioration (methods of soil amelioration, amelioration of acidic soils, amelioration of alkaline soils), effects of irrigation on soil, soil pollution		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	SOIL GENETICS	CODE	AFL004E
		Credits:	3
COORDINATOR	DR. ÁGNES OLÁH ZSUPOSNÉ	Hours:	26
		Language:	ENGLISH
CONTENTS	WRB soil classification, Hungarian soil classification, main soil types and types found in Hungary		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ENVIRONMENTAL SOIL BIOLOGY	CODE	AFL070E
		Credits:	3
COORDINATOR	DR. ÁGNES OLÁH ZSUPOSNÉ and DR. JÁNOS KÁTAI	Hours:	26
		Language:	ENGLISH
CONTENTS	Soil as a habitat for organisms, life in soil, biological processes in soil, environmental issue, biodiversity		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTEGRATED CROP MANAGEMENT	CODE	AFL005E
		Credits:	3
COORDINATOR	DR. PÉTER PEPÓ	Hours:	26
		Language:	ENGLISH
CONTENTS	Environmental risks of conventional crop production, the integrated adaptable crop production system, organic farming, biological crop production system		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	TEMPORATED CROP PRODUCTION	CODE	AFL007E
		Credits:	3
COORDINATOR	DR. JÓZSEF CSAJBÓK	Hours:	26
		Language:	ENGLISH
CONTENTS	The development of crop production in the world, Hungarian crop production in recent decades, natural resources of crop production, production technology of the important crops in Hungary (nutrient supply, crop rotation, soil cultivation, sowing, pest management, harvesting)		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	SUSTAINABLE CROP PRODUCTION IN HUNGARY	CODE	AFL054E
		Credits:	3
COORDINATOR	DR. PÉTER PEPÓ	Hours:	26
		Language:	ENGLISH
CONTENTS	Overview of development of Hungarian crop production in the last 5 decades. Periods, old and new issues. Arable land, yield of the most important crops. Agro ecological conditions, genotypes, crop management elements. Quality and its security. Environmental protection aspects. Sustainable development in the Hungarian crop production before and after the EU Accession.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	SIMPLIER METHODS OF UNDER FOIL EARLY VEGETABLE PRODUCTION IN HUNGARY	CODE	AFL009E
		Credits:	3
COORDINATOR	DR. SÁNDOR HODOSSI	Hours:	26
		Language:	ENGLISH
CONTENTS	Timing of under foil production, criteria for choosing the appropriate foil type, changes in the temperature and CO ₂ concentration of the air under foil compared to the outer environment, ways of ventilation and its frequency, methods of under foil early vegetable production in Hungary, production technologies of vegetables grown under foil in Hungary, field work, making plans of technology		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	PLANT NUTRITION AND FERTILIZATION	CODE	AFL010E
		Credits:	3
COORDINATOR	DR. SZENDILLE KISS	Hours:	26
		Language:	ENGLISH
CONTENTS	The soil as a plant nutrient medium, nutrient uptake and assimilation, plant-water relationship, nutrition and plant growth, fertilizer application, essential plant nutrients, fertilizers, benefits of fertilizers to the environment, elements with more toxic effects		
LITERATURE	K. Mengel and E. A. Kirkby: Principles of plant nutrition: IPI, Bern, 1987		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	UMWELTCHEMIE	CODE	AFL011D
		Credits:	3
COORDINATOR	DR. IMRE VÁGÓ	Hours:	26
		Language:	DEUTSCH
CONTENTS	Chemie und Umweltchemie. Chemische Umwandlungs-prozesse der Umwelt. Dynamik der ökologischen Systeme. Die Erde als Reaktionsraum, Energiebilanz der Erde. Geochemische Entwicklung der Erde, Bildung von Erze. Chemie der Evolution, Bildung von Biopolymere. Chemie der Lithosphäre: Verwitterungsprozesse der Gesteine. Chemie der Hydrosphäre: Struktur und Eigenschaften des Wassers. Chemie der Atmosphäre. Zusammensetzung und Eigenschaften, Grundprinzipien der Photochemie der Atmosphäre. Luftverunreinigungen und ihre Ursachen. Schadstoffe in der Atmosphäre. Smog. Umweltchemie der Elemente. Transportprozesse und chemische Reaktionen in der Umwelt. Biochemischer Kreislauf der Elemente und die Wirkung der menschlichen Tätigkeit: C, O, N, P. Metalle in der Umwelt. Anthropogene organische Stoffe in der Umwelt. Wirkungen, Abbauprozesse: Kunststoffe, Pflanzenschutzmittel und Metabolismus, Lebensmittelreste, mineralische Öle und Ölderivate, halogenierte organische Verbindungen, polyaromatische Kohlenwasserstoffverbindungen.		
TEACHING METHOD	Vorlesungen und Praktika		
MODE OF ASSESSMENT	Schriftliche/mündliche Prüfung		

COURSE TITLE	UMWELTANALYTIK- THEORIE UND PRAXIS	CODE	AFL012D
		Credits:	3
COORDINATOR	DR. IMRE VÁGÓ	Hours:	26
		Language:	DEUTSCH
CONTENTS	Ziel und Art der chemischen Umweltanalyse, Leistungs-fähigkeit und Struktur chemischer Analysenmethoden, Die Lithosphäre, Die Hydrosphäre, Die Atmosphäre, Die Biosphäre, Nahrungsmittel		
TEACHING METHOD	Vorlesungen und Praktika		
MODE OF ASSESSMENT	Schriftliche/mündliche Prüfung		

COURSE TITLE	TAXONOMY OF AGRICULTURAL CROPS AND THEIR SPECIFIC WEEDS	CODE	AFL015E
PERIOD	APRIL-MAY	Credits:	3
COORDINATOR	DR. ZSUZSA TRÓCSÁNYINÉ KISS and ZSUZSA K. SZABÓ	Hours:	26
		Language:	ENGLISH
CONTENTS	Summary of morphological knowledge, Class: Monocotyledoneae, Family: Poaceae, cultivated species, weed species, Class: Dicotyledoneae several families		
TEACHING METHOD	Lectures and practices, field trips		
MODE OF ASSESSMENT	2 written tests, oral exam		

COURSE TITLE	MINERAL NUTRITION OF CROP PLANTS WITH SPECIAL ATTENTION TO SOIL LIFE	CODE	AFL071E
PERIOD	SEPT-DEC	Credits:	3
COORDINATOR	DR. LÁSZLÓ LÉVAI	Hours:	26
		Language:	ENGLISH
CONTENTS	Root reactions, uptake mechanisms, physiological role of nutrients, role of soil-born and injected bacteria on uptake and availability of nutrients		
TEACHING METHOD	Lectures and laboratory practices		
MODE OF ASSESSMENT	2 oral presentations, final oral exam		

COURSE TITLE	DEPENDENCE OF PLANT PRODUCTION ON THE CHANGES IN ENVIRONMENTAL FACTORS	CODE	AFL071E
PERIOD	SEPT-DEC	Credits:	3
COORDINATOR	DR. LÁSZLÓ LÉVAI	Hours:	26
		Language:	ENGLISH
CONTENTS	Root reactions, uptake mechanisms, physiological role of nutrients, role of soil-born and injected bacteria on uptake and availability of nutrients		
TEACHING METHOD	Lectures and laboratory practices		
MODE OF ASSESSMENT	2 oral presentations, final oral exam		

COURSE TITLE	THE USE OF ENDOSCOPIC METHODS IN SHEEP BREEDING	CODE	AFL020E
		Credits:	3
COORDINATOR	DR. KÁROLY MAGYAR	Hours:	26
		Language:	ENGLISH
CONTENTS	Introduction of endoscopic equipments, theoretical background and the practical use of laparoscopy in sheep breeding, checking of ovulation rate in ewe, intrauterine insemination by endoscopy		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ENVIRONMENTALLY-FRIENDLY FARM MACHINERY	CODE	AFL021E
		Credits:	3
COORDINATOR	ERZSÉBET ANCZA	Hours:	26
		Language:	ENGLISH
CONTENTS	Soil and environment protecting cultivating equipment, combined tillage machines, mechanization for supplement of plant nutrients, machinery of fertilization and manure spreading, the spinning disc type fertilizer spreader, technical conditions of precision fertilization, plant protection machines, examination of machines		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	THE FARM TRACTOR AND FARM MACHINERY	CODE	MTB0098
		Credits:	3
COORDINATOR	ZOLTAN HAGYMASSY	Hours:	26
		Language:	ENGLISH
CONTENTS	The 4-stroke diesel engine and the transmission system of the farm tractor. Clutch, gearbox, differential and brakes. Ploughs and cultivating equipment. Fertilizer distributors and machinery of manure spreading. Field crop sprayers. Harvesting equipment. Hay and silage making machines. The combine harvester.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	BASIC LOGISTICS	CODE	MTO015
		Credits:	3
COORDINATOR	DR. GÁBOR GRASELLI – TÍMEA GÁL	Hours:	26
		Language:	English
CONTENTS	<p>The purpose of the course is to provide you with basic skills needed to coordinate the supply, production and distribution functions in an efficient and professional manner.</p> <p>This course is for those, who need a basic introduction to the subject logistics. It is for students who want to get to know and deal with logistic issues within production planning and development, production engineering, inventory management, purchasing, sourcing and other business professionals related to the flow of materials.</p>		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Oral exam		

COURSE TITLE	ANWENDUNG ERNEUBARER ENERGIEQUELLEN	CODE	AFL059D
		Credits:	3
COORDINATOR	DR. GÁBOR GRASELLI	Hours:	26
		Language:	Deutsch
CONTENTS	<p>Durch die Anwendung der erneubaren Energiequellen ist es möglich die Umweltverschmutzung zu mindern. Nach dem EU-Beitritt wird Ungarn verpflichtet sein, die Werwendung der erneubaren Energiearten zu verdoppeln. Im Rahmen des Studiums können die Studenten die erneubaren Energiequellen kennenlernen und die Nutzung dieser Energiearten ökonomisch bewerten lernen.</p>		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Oral exam		

COURSE TITLE	UMWELTSCHONENDE PFLANZENSCHUTZ-TECHNIK	CODE	AFL060D
		Credits:	3
COORDINATOR	PROF. DR. ZOLTÁN CSIZMAZIA	Hours:	26
		Language:	Deutsch
CONTENTS	Durch die Schädlinge, Krankheiten und Unkräuter wird jährlich mehr als ein Drittel der Welternte vernichtet. Es ist wichtig die Pflanzenschutzmaßnahmen durch exaktes Ausbringen der Behandlungsmittel auf die Zielfläche, sichern der biologischen Wirksamkeit geringer Wirkstoffmengen durch gleichmäßige, hohe Anlagerung. Dieses Ziel zu erreichen, wird durch folgende Maßnahmen erreicht: Einsatz von Pflanzenschutzmaschinen, Aufbau und Geräteeinsatz, Verfahrenskennwerte.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Oral exam		

COURSE TITLE	CLIMATOLOGY	CODE	AFL022E
		Credits:	3
COORDINATOR	DR. LÁSZLÓ LAKATOS	Hours:	26
		Language:	ENGLISH
CONTENTS	Factors and elements of climate, Atmospheric characteristics, Climatic classifications, Climatic changes, IPCC reports, Influence of Broecker Conveyor on climate changes, Climate variation, The European climate, General circulation, mesoscale airflow, wind characteristics, The climate of Hungary, Impacts of mesoscale climate, Climatic trends and anomalies, El Nino occurrence, Urban climate, parameters of urban atmosphere, basis of human meteorology		
LITERATURE	Dobosi Z.-Felmry L.(1977): Climatology. Tankönyvkiadó Bp. Péczeli Gy. (1979): Climatology. Tankönyvkiadó Bp. Probáld F. (1974): Urban climate of Budapest. Akadémiai Kiadó Bp.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ENVIRONMENTAL METEOROLOGY	CODE	AFL023E
		Credits:	3
COORDINATOR	DR. LÁSZLÓ LAKATOS	Hours:	26
		Language:	ENGLISH
CONTENTS	<p>Meteorological information and its usage in environmental protection, Atmospheric characteristics, Solar radiation, radiation lows, Exchange of heat and mass between the atmosphere and the surface, the greenhouse effect, General circulation, Mesoscale airflow, wind characteristics, Soil characteristics, heat management of the soils, Air temperature and its changes, Water in the air, its changes, related terms, Soil moisture, its changes, related terms, Urban climate, parameters of urban atmosphere, precipitation forms, types of evaporation, related terms, Bases of human meteorology, bases of air pollution meteorology</p>		
LITERATURE	<p>Szász, G.-Tőkei, L. (1997): Meteorology for agronomists, horticulturists, foresters. Mezőgazda Kiadó K. Grefen-J.Löbel (1987): Environmental Meteorology. Kluwer Academic Publishers Dobosi Z.- Felméry L. (1977): Climatology. Tankönyvkiadó Bp. Probáld F. (1974): Urban climate of Budapest. Akadémiai Kiadó Bp.</p>		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	AGROMETEOROLOGY	CODE	AFL024E
		Credits:	3
COORDINATOR	DR. LÁSZLÓ LAKATOS	Hours:	26
		Language:	ENGLISH
CONTENTS	<p>Agrometeorological information and its usage in agriculture, Atmospheric elements and their changes, Management and manipulation of climate, Agroclimatic characterization, Impacts of microclimate, Soil characteristics, heat and water management of soils, Air temperature and its changes, Water in the air, its changes, related terms Soil moisture, its changes, related terms, Management and analysis of agroclimate and agrometeorological data, Atmosphere-vegetation-soil interactions, Types of crop models, Crop requirements, temperate crops, From crop modelling to information systems for decision making</p>		
LITERATURE	<p>Griffiths J. (1994): Handbook of Agricultural meteorology. Oxford University Press. Szász, G.-Tőkei, L. (1997): Meteorology for agronomists, horticulturists, foresters. Mezőgazda Kiadó</p>		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTRODUCTION TO EU LANGUAGE	CODE	AFL029A
PERIOD	Autumn semester	Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/ French
CONTENTS	The course covers the following major topics: The historical background of the European integration process, from the "Sixes" to the EU, the related contracts, The EU institutions (The Committee, The Council, The Parliament, The Court etc.)		
TEACHING METHOD	Lectures		
MODE OF ASSESSMENT	Oral/written exam		

COURSE TITLE	LANGUAGE OF ENVIRONMENTAL MANAGEMENT AND POLICY	CODE	AFL030A
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/ French
CONTENTS	The main principles of environmental management and environmental policy in the EU The basic principles and terminology of environmentally-friendly, sustainable farming		
TEACHING METHOD	Practical		
MODE OF ASSESSMENT	Oral/written exam		

COURSE TITLE	ENGLISH/ GERMAN/ FRENCH	CODE	AFL031A
		Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/French
CONTENTS	The course aims to increase the student's vocabulary, it includes communication practices, grammatical lectures. The elaboration of materials from audio- and videotapes requires active participation from the student.		
TEACHING METHOD	Practical		
MODE OF ASSESSMENT	Continuous		

COURSE TITLE	PROFESSIONAL LANGUAGE SKILLS	CODE	AFL032A
		Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/French
CONTENTS	The aim of the course is to help the participants to become confident presenters, lecturers. The course covers: Writing a CV, business correspondence, and editing these documents. The students can develop their negotiation skills in the last semester, which includes research work, writing position papers, periodic reports, presentations, and finally making a standardized document as agreed.		
TEACHING METHOD	Practical		
MODE OF ASSESSMENT	Continuous		

COURSE TITLE	INTERCULTURAL COMMUNICATION	CODE	AFL033A
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/French
CONTENTS	The language of official EU documents (e.g. application for a scholarship, writing a declaration of intent, necessary for establishing official contacts, the matters of form) An outlook on the cultural and social relations of the given country to help the future employee to be familiar with the characteristics of an intercultural environment		
TEACHING METHOD	Practical		
MODE OF ASSESSMENT	Continuous		

COURSE TITLE	BUSINESS LANGUAGE	CODE	AFL034A
		Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/French
CONTENTS	Administrative tasks related to commercial transactions and tasks within the enterprise, execution of commissions, marketing tasks, ways of distribution, foreign trade, questions related to financing, banking and finance, bookkeeping and the balance sheet, analysis of annual business reports, current international financial affairs etc.		
TEACHING METHOD	Practical		
MODE OF ASSESSMENT	Continuous and final exam		

COURSE TITLE	LEGAL TERMINOLOGY AND LANGUAGE USAGE	CODE	AFL036A
		Credits:	3
COORDINATOR	DR. MAGDOLNA SILYE	Hours:	26
		Language:	English/ German/French
CONTENTS	Basic categories of law. The legal system of the EU, its institutions and functions. Essential practical studies (translation and interpretation of laws, decrees, contracts, warrants) Main topics: The system of legislation and legal practice, its basic terms, the differences and the similarities of the two systems (home and foreign), forms and fields of law, statute law, common law, constitutional law, civil law, penal law, administrative law, law of labour, industrial law, law of treaties, types of contracts, copyright, judicial review, arbitration. EU law, its history, the institutional system of the EU, duties and rights of member states, Common Agricultural Policy		
TEACHING METHOD	Practical		
MODE OF ASSESSMENT	Final exam		

COURSE TITLE	WEED CONTROL IN AGRICULTURE	CODE	AFL037E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. LÁSZLÓ RADÓCZ	Hours:	26
		Language:	ENGLISH
PREREQUISITES	Botany		
CONTENTS	Introduction to general weed biology Important weed species in Hungary and in Europe Integrated weed management		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	FUNGAL TOXICOLOGY	CODE	AFL065E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. LÁSZLÓ RADÓCZ	Hours:	26
		Language:	ENGLISH
CONTENTS	Introduction of the most frequent edible and poisonous fungi that can be found in Hungary. Description of the structure of their fruiting bodies and mycetism		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	WEED ECOLOGY	CODE	AFL066E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. LÁSZLÓ RADÓCZ	Hours:	26
		Language:	ENGLISH
PREREQUISITES	Botany		
CONTENTS	Introduction to major approaches used to study weed crop interference and treats weed and crop competition from resource limitation and physiological aspects		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTEGRATED FOREST PROTECTION	CODE	AFL067E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. LÁSZLÓ RADÓCZ	Hours:	26
		Language:	ENGLISH
CONTENTS	Introduction to major approaches used in forest protection. Integrated management of harmful pests and weeds in forest ecosystems		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	PLANT DISEASE EPIDEMIOLOGY	CODE	AFL038E
		Credits:	3
COORDINATOR	DR. IMRE HOLB	Hours:	26
		Language:	ENGLISH
CONTENTS	Introduction to plant disease epidemiology History of plant disease epidemiology Characterisation of disease spread Factors affecting plant diseases Spatial and temporal aspects of disease spread Modelling plant disease in time and space Practical application of plant disease epidemiology		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTEGRATED FRUIT PROTECTION	CODE	AFL039E
		Credits:	3
COORDINATOR	DR. IMRE HOLB	Hours:	26
		Language:	ENGLISH
CONTENTS	Introduction to integrated production and integrated protection, Roles of IPM and IFP in Europe, System approaches to integrated fruit protection, Factors of integrated fruit protection, Practical application of integrated protection in specified fruit crops		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	FORECASTING IN PLANT PROTECTION	CODE	AFL062E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. IMRE HOLB	Hours:	26
		Language:	ENGLISH
PREREQUISITES	Phytopathology, entomology, weed science		
CONTENTS	Definition of forecasting, Classical methods of forecasting, Simulation in forecasting, Forecasting of poliphagous plant pest and diseases, Forecasting of pest and diseases of arable crops. Forecasting of pest and diseases of horticultural crops.		
TEACHING METHOD	Lectures		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	AGRICULTURAL MYCOLOGY	CODE	AFL045E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. GYÖRGY KÖVICS	Hours:	26
		Language:	ENGLISH
PREREQUISITES	Botany, biochemistry		
CONTENTS	Introduction to mycology, Methods in Mycology: Isolation techniques and ecological groups of fungi, Microscopic examinations, Sub-microscopic techniques, The Fungal System, Divisions and Classes of Fungi		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Oral exam		

COURSE TITLE	MYCOTAXONOMY	CODE	AFL046E
PERIOD	Spring semester	Credits:	3
COORDINATOR	DR. GYÖRGY KÖVICS	Hours:	26
		Language:	ENGLISH
PREREQUISITES	Plant Pathology		
CONTENTS	Introduction to mycotaxonomy, Protozoa (Acrasiomycota, Dictyosteliomycota, Myxomycota, Plasmodiophoromycota), Chromista (Hyphochytriomycota, Zygomycota, Ascomycota, Basidiomycota, Mitosporic Fungi)		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Oral exam		

COURSE TITLE	AGRICULTURAL ZOOLOGY	CODE	AFL047E
		Credits:	3
COORDINATOR	DR. ANDRÁS BOZSIK	Hours:	26
		Language:	ENGLISH/ GERMAN
CONTENTS	Insect morphology, anatomy and physiology, Reproduction, development and life history, Population biology, Systematics and classification, Methods of insect control and their application in farming practice, Plant parasitic nematodes, Arthropod pests		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	BIOLOGICAL CONTROL	CODE	AFL048A
		Credits:	3
COORDINATOR	DR. ANDRÁS BOZSIK	Hours:	26
		Language:	ENGLISH/ GERMAN/ FRENCH
CONTENTS	Pest origins, problem with pesticides, History of biological control, Population ecology, Methods of pest control, Assessing of conventional pest control, Methods for biological control implementation, Biological control of animal pests, Biological control of plant pathogens, Biological control of weeds, The use of biotechnology in pest control, Other non chemical control		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INSECT ECOLOGY	CODE	AFL49E
		Credits:	3
COORDINATOR	DR. ANDRÁS BOZSIK	Hours:	26
		Language:	ENGLISH
CONTENTS	The individual, Autoecology, Population dynamics, Population regulation, Habitats and niches, Ecosystems, Succession, Ecological applications		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTEGRATED PEST MANAGEMENT	CODE	AFL050E
		Credits:	3
COORDINATOR	DR. ANDRÁS BOZSIK	Hours:	26
		Language:	ENGLISH
PREREQUISITES			
CONTENTS	Pest origins, problem with pesticides, History of IPM, Population dynamics and epidemiology, Methods of pest control, Assessing of conventional pest control, Insects and mites, Nematodes, Viruses, Fungal and bacterial plant pathogens, Weeds, Cultural, physical, mechanical control, Chemical control, IPM in vegetables, IPM in vegetables, IPM in fruits, IPM in field crops		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	CULTURAL ENTOMOLOGY	CODE	AFL64E
		Credits:	3
COORDINATOR	DR. ANDRÁS BOZSIK	Hours:	26
		Language:	ENGLISH
PREREQUISITES			
CONTENTS	Representation, depiction and relation of insects and arthropods to the literature, art, music and other areas of humanities such as gastronomy		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	APPLICATIONS OF PCR IN MYCOLOGY	CODE	AFL063E
		Credits:	3
COORDINATOR	DR. ERZSÉBET M. KARAFFA	Hours:	26
		Language:	ENGLISH
PREREQUISITES	Microbiology, biochemistry		
CONTENTS	Polymerase chain reaction in mycology. Gene cloning using PCR. DDRT-PCR for screening of fungal gene expression. Interpretation of PCR methods for species definition. Applications of PCR for studying the biodiversity of mycorrhizal fungi. PCR Applications in fungal phylogeny. Applications of PCR in fungal biotechnology. Applications of PCR in studying lignocellulose degradation by Basidiomycetes. PCR methods for the detection of mycotoxin-producing fungi. PCR diagnostics in medical mycology. Applications of PCR in fungal-plant interactions. PCR as a tool for the investigation of seed-borne diseases.		
TEACHING METHOD	Lectures		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	HUNGARIAN ANIMAL PRODUCTION SYSTEMS	CODE	AFL041E
		Credits:	3
COORDINATOR	DR. ISTVÁN KOMLÓSI	Hours:	26
		Language:	ENGLISH
CONTENTS	Main features of the Hungarian Livestock Industry, Forage production, processing, conservation, Feeding technology, Cattle breeds and their characteristics, Cattle breeding, and breeding organisation, Cattle farms and management, Pig breeds and their characteristics, Pig breeding and breeding structure, Pig farms and management, Sheep breeding and farm management, Poultry breeding, Poultry farm management, Meat and milk processing		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	APPLICATIONS OF HPLC IN FOOD AND FEED ANALYSIS	CODE	AFL043E
		Credits:	3
COORDINATOR	DR. JÁNOSNÉ BORBÉLY	Hours:	26
		Language:	ENGLISH
CONTENTS	The origins and development of liquid chromatography, the theory of HPLC, instrumentation, applications: proteins, amino acids, lipids, vitamins, mycotoxins, pesticides		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	USE OF LIQUID CULTURE SYSTEMS IN PLANT TISSUE CULTURE	CODE	AFL061E
		Credits:	3
COORDINATOR	DR. MIKLÓS FÁRI	Hours:	26
		Language:	ENGLISH/ PORTUGUÊS/ ESPAÑHOL
CONTENTS	The course will focus on the study of the most advanced plant tissue culture methods based on the application of liquid culture media. In the theoretical part, the course will survey and analyze the most important biological, technical and economic characteristics of the liquid culture systems in comparison with the traditional semi-solid methods. In addition, practical training will be involved with the experimental study of some economically important horticultural plants cultured in revert rotary bioreactor (3R System) designed recently in Hungary.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ENVIRONMENTAL AND FOOD TOXICOLOGY	CODE	MTMECO14
		Credits:	2
COORDINATOR	DR. JÓZSEF PROKISCH	Hours:	16
		Language:	ENGLISH
CONTENTS	<p>The course provides the student with a background of major groups of toxic substances encountered by man and animals through the food and environment, and also through exposure at the workplace. These toxicants include metals, naturally occurring toxins, solvents, pesticides, pollutants and radiation (UV, electromagnetic, ionizing). The course focuses on the chemistry, fate and distribution in the food and environment, mechanisms of their actions, toxic manifestation in living organisms as well as toxic syndrome in human beings. after the theoretical part, the course is concluded with "case histories". These are actual, realistic and generally well known cases or scenarios (e.g. the fall of DDT, the Minimata Bay incident, the dioxin-food problem, etc.) and are used to elucidate the particular topic.</p>		
LITERATURE	http://www.atsdr.cdc.gov/		
TEACHING METHOD	Lecture		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	PRODUCTION OF NANOPARTICLES BY BACTERIA	CODE	MTPMC21
		Credits:	4
COORDINATOR	DR. JÓZSEF PROKISCH	Hours:	32
		Language:	ENGLISH
CONTENTS	<p>Introduction to a biotechnological procedure for producing selenium and tellurium nanoparticles with yogurt bacteria. Purification and extraction of nanoparticles, tests with electronmicroscope.</p>		
TEACHING METHOD	Practice		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	DEVELOPMENT OF FUNCTIONAL FOODS	CODE	MTE0039
		Credits:	4
COORDINATOR	DR. JÓZSEF PROKISCH	Hours:	26
		Language:	ENGLISH
CONTENTS	This course prepares students to develop an innovative product or service from conceptualization to market entry considering regulatory, product development, safety/efficacy and market readiness issues. The course deals with the current status of technologies based on fruits and vegetables. The subject coverage will include post harvest storage, the parameters that determine quality, biochemical and molecular strategies for improving storage life and quality, processing technologies and issues related to genetic engineering, food safety, functional food ingredients and their health-regulatory function.		
TEACHING METHOD	Lecture and practice		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ANALYTICAL CHEMISTRY	CODE	MTB0022
		Credits:	4
COORDINATOR	DR. JÓZSEF PROKISCH	Hours:	24
		Language:	ENGLISH
CONTENTS	The course combines lectures, which give a broad as well as a specific introduction to selenium speciation, with hands-on practice in the laboratory using HPLC hyphenated with AFS system. The course explains the biological and biochemical background to selenium speciation and will be conducted in an interactive manner between the lecturers and the participants.		
TEACHING METHOD	Lecture and practices		
MODE OF ASSESSMENT	Written/oral exam		

FACULTY OF AGRICULTURAL ECONOMICS AND RURAL DEVELOPMENT

COURSE TITLE	OPERATIONS MANAGEMENT	CODE	AFL008E
		Credits:	3
COORDINATOR	DR. MIKLÓS PAKURÁR	Hours:	26
		Language:	ENGLISH
CONTENTS	The strategic importance of operations, designing the operating system, managing the supply chain, quality assurance		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	CHARACTERISTICS OF ACCOUNTANCY SETTLEMENT FOR HUNGARIAN AGRICULTURAL PRODUCERS	CODE	AFL013E
		Credits:	3
COORDINATOR	GYULA JACSMENIK	Hours:	26
		Language:	ENGLISH
CONTENTS	Groups of agricultural producers, reporting obligation of agricultural producers, characteristics of taxation-system, book-keeping obligation of agricultural producers, special settlement tasks		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	FÖRDERUNGEN IN DER UNGARISCHEN LANDWIRTSCHAFT	CODE	AFL014D
		Credits:	3
COORDINATOR	DR. ÉVA DARABOS	Hours:	26
		Language:	DEUTSCH
CONTENTS	Agrarpolitik, Lage der ungarischen Landwirtschaft, Rolle der Förderungen in Landwirtschaft, Die Förderungsformen, Entwicklungschancen in der Landwirtschaft, Zukunftsprogram für den ländlichen Raum, EU-Anschluß, Harmonisierungsprozesse		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	CORPORATE FINANCE	CODE	AFL055E
		Credits:	3
COORDINATOR	DR. ILDIKÓ ORBÁN	Hours:	26
		Language:	ENGLISH
CONTENTS	Characteristics of business organizations, financing problems and questions, planning, financial statements, taxes, analysing techniques		
TEACHING METHOD	Lectures and practical, field trips		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	RURAL DEVELOPMENT ON THE GREAT HUNGARIAN PLAIN	CODE	AFL016E
		Credits:	3
COORDINATOR	DR. JÁNOS LAZÁNYI	Hours:	26
		Language:	ENGLISH
CONTENTS	Rural restructuring, rural development in global perspective, economic development, business development, rural community development, rural tourism, sustainability in rural development		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	AGRICULTURAL RESEARCH AND TECHNOLOGY TRANSFER	CODE	AFL019E
		Credits:	3
COORDINATOR	DR. JÁNOS LAZÁNYI	Hours:	26
		Language:	ENGLISH
CONTENTS	Review of historical and contemporary economic theories related to resource management. The aspects of economic development: business development, workforce development, physical and social infrastructure		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTERNATIONAL MARKETING	CODE	AFL025E
		Credits:	3
COORDINATOR	DR. LÁSZLÓ KÁRPÁTI and DR. ZSOLT CSAPÓ	Hours:	26
		Language:	ENGLISH
CONTENTS	Starting international marketing steps, Marketing elements of international transactions		
LITERATURE	Michael R. Czinkota, Ilka A. Ronkainen: International Marketing. Sixth Edition Harcourt College Publishers, 2001.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written exam		

COURSE TITLE	MARKETING MANAGEMENT	CODE	AFL026E
		Credits:	3
COORDINATOR	DR. LÁSZLÓ KÁRPÁTI and DR. ZSOLT CSAPÓ	Hours:	26
		Language:	ENGLISH
CONTENTS	Basic principles of marketing management, Exploring marketing opportunities, Marketing strategy, Decision making in marketing, Managing marketing programs		
LITERATURE	Philip Kotler: Marketing Management. The Millenium Edition. Prentice Hall International Inc., 2000		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written exam		

COURSE TITLE	MARKETING MANAGEMENT	CODE	AFL026E
		Credits:	3
COORDINATOR	DR. LÁSZLÓ KÁRPÁTI and DR. ZSOLT CSAPÓ	Hours:	26
		Language:	ENGLISH
CONTENTS	Basic principles of marketing management, Exploring marketing opportunities, Marketing strategy, Decision making in marketing, Managing marketing programs		
LITERATURE	Philip Kotler: Marketing Management. The Millenium Edition. Prentice Hall International Inc., 2000		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written exam		

COURSE TITLE	FARM BUSINESS MANAGEMENT	CODE	AFL027E
		Credits:	3
COORDINATOR	DR. ANDRÁS NÁBRÁDI	Hours:	26
		Language:	ENGLISH
CONTENTS	Basics of farm business management, Types of enterprises, Production value, cost of production, Efficiency and its measurement, Production and services, The internal and external relations of enterprise. Sectoral economics, Planning, Analysis.		
TEACHING METHOD	Lectures, practical		
MODE OF ASSESSMENT	Continuous assessment, oral exams		

COURSE TITLE	INFORMATION TECHNOLOGY IN AGRICULTURE	CODE	AFL053E
		Credits:	3
COORDINATOR	DR. MIKLÓS HERDON	Hours:	26
		Language:	ENGLISH
CONTENTS	Review of uses for computers and basic knowledge of computer networks. Information technology and applications in agriculture.		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ARTIFICIAL INTELLIGENCE, EXPERT SYSTEMS AND THEIR APPLICATION POSSIBILITIES IN AGRICULTURE	CODE	AFL068E
		Credits:	3
COORDINATOR	PÉTER SALGA	Hours:	26
		Language:	ENGLISH
CONTENTS	An introduction to artificial intelligence tools, e. g. neural networks, fuzzy logic, genetic algorithms, multi-agent systems. Theory and practical demonstration of modern expert systems and their business applications with a focus on agriculture.		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	COMMUNICATION NETWORKS	CODE	AFL069E
		Credits:	3
COORDINATOR	DR. MIKLÓS HERDON	Hours:	26
		Language:	ENGLISH
CONTENTS	Students learn the modern methods and tools of info-communication. Technology, devices of the wire and wireless telephone and data networks		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	STATISTICS	CODE	AFL052E
		Credits:	3
COORDINATOR	DR. PÉTER BALOGH	Hours:	26
		Language:	ENGLISH
CONTENTS	Agricultural and business statistics Introduction to statistics Statistics from populations and processes Probability Probability distributions Normal probability distributions Estimates and sample sizes Testing hypotheses Statistical quality control Inferences from two samples Multinomial experiments and contingency tables Analysis of variance Linear regression and correlation Multiple regression Time series Nonparametric statistics Decision analysis		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written exam		

COURSE TITLE	STATISTIQUE	CODE	AFL056F
		Credits:	3
COORDINATOR	DR. IMRE ERTSEY	Hours:	26
		Language:	FRENCH
CONTENTS	<ul style="list-style-type: none"> - System d'informations statistique - Les séries statistique et les tableaux statistique - Les nombres proportionnel - Les moyennes - La dispersion - Les index - Le prelevement statistique - L'estimation - Les discussions de la hypothese - Les discussions de la variance - Les discussions de la relation - L'analyse de les séries du temps 		
TEACHING METHOD	Cours (et travaux pratiques)		
MODE OF ASSESSMENT	Examen écrit		

COURSE TITLE	RECHERCHES OPÉRATIONNELLE	CODE	AFL057F
		Credits:	3
COORDINATOR	DR. IMRE ERTSEY	Hours:	26
		Language:	FRENCH
CONTENTS	<ul style="list-style-type: none"> - les matrice - la programmation linéaire dans l'agriculture - l'analyse des fonctions économique - l'application des methodes symulation 		
TEACHING METHOD	Cours (et travaux pratiques)		
MODE OF ASSESSMENT	Examen écrit		

COURSE TITLE	STATISTIQUE ÉCONOMIQUE	CODE	AFL058F
		Credits:	3
COORDINATOR	DR. IMRE ERTSEY	Hours:	26
		Language:	FRENCH
CONTENTS	<ul style="list-style-type: none"> - la representation statistique - l'introduction a la statistique économique - la classification de la statistique - les factures financieres nationales - les bilans de la partimoene nationale - l'analyse du niveau de vie - l'analyse de la qualité de vie - l'analyse du TES 		
TEACHING METHOD	Cours (et travaux pratiques)		
MODE OF ASSESSMENT	Examen écrit		

COURSE TITLE	OPERATIONS RESEARCH	CODE	AV3EK09
		Credits:	3
COORDINATOR	LAJOS NAGY	Hours:	26
		Language:	ENGLISH
CONTENTS	<p>Elements of operations research Linear programming, the simplex method The linear programming model The duality and sensitivity analysis Models solvable by the simplex method Application of linear programming in agricultural businesses LP models for animal husbandry (animal stock's structure, formulation of feed-mixes and daily diet of animals) Models for crop production Complex farm models</p>		
TEACHING METHOD	Lectures and practices		
MODE OF ASSESSMENT	Written exam		

COURSE TITLE	AGRICULTURAL AND ENVIRONMENTAL POLICY IN THE EU	CODE	AV_IND00210062
		Credits:	3
COORDINATOR	Judit Katona-Kovács	Hours:	26
		Language:	English
CONTENTS	History and development of the European Integration. Establishment of the common Agricultural Policy. Development of the Community Environmental Policy. Integration of Environmental Policy into CAP.		
TEACHING METHOD	Lectures and discussions		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ENVIRONMENTAL POLICY	CODE	AV_GNF10062
		Credits:	2
COORDINATOR	DR. Andrea Gáthy	Hours:	26
		Language:	English
CONTENTS	The primary objective of this course is to introduce the main concepts and tools of Ecological and Environmental Economics, and highlights the important role of policy (General Policy Design, National Strategy for Sustainable Development)		
TEACHING METHOD	Lectures and discussions		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	MICROECONOMICS	CODE	AV_GNA004
		Credits:	2
COORDINATOR	DR. Andrea Gáthy	Hours:	26
		Language:	English
CONTENTS	The main objective of the course is to get the mastery of the main definition and basic knowledge of Microeconomics (the market, supply, demand, market failure) and form an economic view ;lay the foundation of Applied Sciences.		
TEACHING METHOD	Lectures and discussions		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	ENVIRONMENTAL ECONOMICS	CODE	AV_GNF10061
		Credits:	2
COORDINATOR	DR. István Kuti	Hours:	26
		Language:	English
CONTENTS	The primary objective of this course is to introduce the main concepts and tools of Ecological and Environmental (including resource) Economics. The exciting transdiscipline, Ecological Economics provides a context for understanding the strengths and weaknesses of the more conventional Environmental and Resource Economics. Environmental Economics places more emphasis on the central role of the market and focuses primarily on efficient allocation.		
TEACHING METHOD	Lectures and discussions		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	MOBILE INTERNET IN AGRICULTURE	CODE	
PERIOD		CREDIT:	
COORDINATOR	Dr. Róbert Szilágyi	HOURS:	26
		LANGUAGE:	ENGLISH
PREREQUISITES	-		
CONTENTS	Students learn the methods and tools of wireless internet technology, devices and application. Main topics: mobile devices, wireless communication and application trends.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	SOFTWARE DEVELOPMENT	CODE	
PERIOD		CREDITS:	
COORDINATOR	DR. LÁSZLÓ VÁRALLYAI	HOURS:	26
		LANGUAGE:	English
PREREQUISITES	-		
CONTENTS	Students learn the methods and tools of a modern software development framework. Main topics: object oriented methods, software developing environment, main components, variables and algorithms. The developer framework can be Delphi, Visual Basic or Visual C#.		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	INTERNET TECHNOLOGIES	CODE	
PERIOD		CREDITS:	
COORDINATOR	DR. LÁSZLÓ VÁRALLYAI	HOURS:	26
		LANGUAGE:	English
PREREQUISITES	-		
CONTENTS	Students learn the development of Internet technology - focusing the Web 2.0, and how to developing client and server side Internet-based applications under GNU/GPL license (Apache, PHP, MySQL).		
TEACHING METHOD	Lectures and practical		
MODE OF ASSESSMENT	Written/oral exam		

COURSE TITLE	Database application development	code	
PERIOD		Credits:	
COORDINATOR	Sándor Vályi	Hours:	
		Language:	English
PREREQUISITES	Basic computer skills.		
CONTENTS	The students learn how to plan and implement small database applications in an office database environment.		
TEACHING METHOD	Lectures and consultation.		
MODE OF ASSESSMENT	Oral exam.		

4.1. Hungarian language course

Since 1927, the University has operated the Summer School, offering for example courses in Hungarian to interested guests and exchange students from around the world. The Summer School in Debrecen is the oldest such programme in the country. The Erasmus students of the Centre can attend the Hungarian courses organized during the semesters if they pay the fee of the course.

Information: debrecen@nyariegyetem.hu, Tel.: +36-52-532-594

5. Comparison between the Hungarian grading scale and the ECTS

ECTS grades	Excellent	Pass with distinction	Pass			Fail
	A	B	C	D	E	F
Hungarian grades	Excellent	Good	Medium	Pass		Fail
	5	4	3	2		1

6. Academic calendar

- the first semester starts on the first or second Monday of September and ends at the middle of December
- the examination term for the first semester is between the middle of December and the last week of January
- the second semester starts on the first Monday of February and ends at the middle of May
- the examination term for the second semester starts at the end of May and ends at the end of June

7. Contact points

7.1. Co-ordination of the Erasmus programme

The Centre for External Relations of the Centre for Agricultural Sciences and Engineering is the central administrative unit for all centre-level international co-operations and co-ordinates the Socrates/Erasmus programme.

University of Debrecen, Centre for Agricultural Sciences and Engineering

Centre for External Relations

Coordinator: Ms Eva Dorina Marian

H-4032 Debrecen, Böszörményi út 138. Hungary

Phone/fax: +36 52 508 406

E-mail: marandori@agr.unideb.hu, externalrelations@agr.unideb.hu

Internet: <http://www.agr.unideb.hu>

ERASMUS Institutional Code: HU DEBRECE01

7.2. Departmental Erasmus co-ordinators

FACULTY OF AGRICULTURE

Erasmus co-ordinator	Dr. András Jávor, Vice-Rector
Building/room	
Telephone	+36 52 508 478
Fax	+36 52 508 478
E-mail	javor@agr.unideb.hu

Department of Agricultural Chemistry

Departmental co-ordinator	Dr. Andrea Balláné Kovács
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Building/room	B/106.
Telephone	+36 52 508 444/8207
Fax	+36 52 413 385
E-mail	kovacs@agr.unideb.hu

Department of Animal Husbandry, Breeding and Nutrition

Departmental co-ordinator	Dr. István Komlósi
Building/room	A/134.
Telephone	+36 52 508 438
Fax	+36 52 508 444/8131
E-mail	komlosi@agr.unideb.hu

Department of Animal Physiology and Hygiene

Departmental co-ordinator	Dr. Gabriella Novotniné Dankó
Building/room	B/5.
Telephone	+36 52 486 288/88202
Fax	+36 52 413 385
E-mail	novotnine@agr.unideb.hu

Department of Agricultural Botany and Crop Physiology

Departmental co-ordinators	Dr. Zsuzsa Trócsányiné Kiss and Mr. Péter Tanyi
Building/room	B/212, 213.
Telephone	+36 52 508 444
Fax	+36 52 413 385
E-mail	tanyi@agr.unideb.hu trocsany@agr.unideb.hu

Department of Crop Production and Applied Ecology

Departmental co-ordinator	Dr. József Csajbók
Address	A/100.
Telephone	+36 52 508 444/88465
Fax	+36 52 508 463
E-mail	csj@agr.unideb.hu

Department of Plant Protection

Departmental co-ordinator	Dr. Imre Holb
building/room	B/220.
Telephone	+36 52 508 444/88379
Fax	+36 52 508 459
E-mail	holb@agr.unideb.hu

Department of Food Science and Quality Testing

Departmental co-ordinator	Dr. Mária Borbélyné Varga
Building/room	G build.
Telephone	+36 52 508 444/88305
Fax	+36 52 417 572
E-mail	mborbely@agr.unideb.hu

Department of Genetics and Plant Breeding

Departmental co-ordinator	Ms. Erika Zilahi
Building/room	A/111.
Telephone	+36 52 508 444/88242
Fax	+36 52 413 385
E-mail	zilahie@agr.unideb.hu

Department of Vegetable Production

Departmental co-ordinator	Dr. Miklós G. Fári
Building/room	A/69.
Telephone	+36 52 508 444/88072
Fax	+36 52 508 355
E-mail	fari@agr.unideb.hu

Department of Fruit Production

Departmental co-ordinator	Ms. Katalin Király
Building/room	A/73.
Telephone	+36 52 508 444/88276
Fax	+36 52 413 385
E-mail	kiralyikata@agr.unideb.hu

Department of Land Cultivation and Regional Development	
Departmental co-ordinator	Zoltán Kovács
Building/room	E/ground floor
Telephone	+36 52 508 444/88003
Fax	+36 52 508 460
E-mail	kovacszo@agr.unideb.hu

Department of Machinery	
Departmental co-ordinator	Ms. Erzsébet Ancza
Building/room	C/5.
Telephone	+36 52 508 443/88036
Fax	+36 52 413 385
E-mail	ancza@agr.unideb.hu

Department of Nature Conservation, Zoology and Game Management	
Departmental co-ordinator	Dr. Zoltán Bihari
Building/room	B/118.
Telephone	+36 70 221 7336
Fax	+36 52 413 385
E-mail	bihari@agr.unideb.hu

Department of Soil Science	
Departmental co-ordinator	Dr. Ágnes Zsuposné Oláh
Building/room	A/122.
Telephone	+36 52 486 288/88008
Fax	+36 52 413 385
E-mail	zsuposne@agr.unideb.hu

Department of Microbiology

Departmental co-ordinator	Péter Keresztúri
Building/room	A/122.
Telephone	+36 52 508 444/88111
Fax	+36 52 413 385
E-mail	pkereszturi@freemail.hu

Department of Water and Environmental Management

Departmental co-ordinator	xxxx
Building/room	N/9. (first floor)
Telephone	+36 52 508 444/88163
Fax	+36 52 508 456
E-mail	biro@gjsserver1.date.hu

FACULTY OF AGRICULTURAL ECONOMICS AND RURAL DEVELOPMENT

Erasmus co-ordinator	Dr. László Kárpáti, Vice-Dean
Building/room	A/201.
Telephone	+36 52 508 429
Fax	+36 52 508 487
E-mail	karpati@agr.unideb.hu

Department of Agricultural and General Economics

Departmental co-ordinator	Dr. István Kuti
Building/room	A/29.
Telephone	+36 52 508 482
Fax	+36 52 508 482
E-mail	kuti@agr.unideb.hu

Department of Economic and Agricultural Informatics	
Departmental co-ordinator	Dr. Miklós Herdon
Building/room	D/7.
Telephone	+36 52 508 360
Fax	+36 52 486 255
E-mail	herdon@thor.agr.unideb.hu

Department of Marketing and Business	
Departmental co-ordinator	Dr. Zsolt Csapó
Building/room	A/216.
Telephone	+36 52 508 487
Fax	+36 52 508 487
E-mail	csapo@agr.unideb.hu

Department of Economic Analysis and Statistics	
Departmental co-ordinator	Dr. Péter Balogh
Building/room	A/212.
Telephone	+36 52 508 444/88009
Fax	+36 52 508 343
E-mail	balogh@agr.unideb.hu

Department of Farm Business Management	
Departmental co-ordinator	Dr. László Posta
Building/room	J/17
Telephone	+36 52 526 903
Fax	+36 52 526 916
E-mail	lposta@agr.unideb.hu

Department of Accounting and Finance	
Departmental co-ordinator	Mr. Gyula Jacsmenik
Building/room	J/133
Telephone	+36 52 526 943
Fax	+36 52 508 483
E-mail	jacsmenik@agr.unideb.hu

Department of Labour Science

Departmental co-ordinator	Dr. Miklós Pakurár
Building/room	D/2 nd floor
Telephone	+36 52 508 474
Fax	+36 52 526 946
E-mail	jacsmenik@agr.unideb.hu

Department of Management Science

Departmental co-ordinator	Dr. Csilla Juhász
Building/room	Fényház
Telephone	+36 52 508 361
Fax	+36 52 508 361
E-mail	jcsilla@agr.unideb.hu

Department of Rural Development and Resource Management

Departmental co-ordinator	Dr. Károly Petó
Building/room	J/112
Telephone	+36 52 526 965
Fax	+36 52 413 385
E-mail	peto@agr.unideb.hu

8. Application procedure for Erasmus students

Socrates/Erasmus students nominated by their home institutions must contact the Centre for External Relations of the University of Debrecen Centre for Agricultural Sciences and Engineering for admission.

Address: University of Debrecen Centre for Agricultural Sciences
and Engineering
Centre for External Relations
H-4032 Debrecen, Böszörményi út 138.
Hungary
Phone: +36 52 508 406
Fax: +36 52 508 406
E-mail: mariandori@agr.unideb.hu

Deadline for receipt of applications:

1 July 2009 (for the autumn semester)

1 December 2010 (for the spring semester)

The following documents should be sent:

- official copy of transcript of records and grades obtained from the home institution, translated into English
- Learning Agreement
- photocopy of your student ID
- 2 passport photos

The application form and application for accommodation are available on our website: www.agr.unideb.hu

As regards academic information, students should contact the departmental coordinators at the Centre (see chapter 7.2.).

The Centre for Agricultural Sciences and Engineering will send a certificate of admission and more detailed information on staying in Debrecen to accepted students after it has received all the required documents. Students will then have to inform the Centre for External Relations about the exact date of their arrival.

9. How to reach us

9.1. Arrival in Hungary

Whether you arrive in Hungary by air or car, you will have to go through Passport Control and Customs.

You may need to show the Immigration Officer some or all of the following documents:

- your passport
- letter of acceptance from University of Debrecen
- evidence of financial support
- medical certificate

At Customs you have to choose whether to pass through the green channel “Nothing to Declare” or through the red channel “Goods to Declare”. If you are carrying more than the permitted duty or tax-free allowance, or any prohibited goods, you may pass through the red channel. You are normally allowed to import some of your personal belongings, provided they are for your own use and provided you will be taking them home again at the end of your stay. Your local Hungarian Embassy or Consulate will be able to advise you on what you can and cannot bring into Hungary.

Since Hungary became a member of the EU in May 2004, there were changes in the immigration laws and regulations concerning EU citizens. No visa is required for citizens of EU member states but you will have to appeal for a **residence permit** upon your arrival. The documents you will surely need are: **your valid passport, health and accident insurance and a proof of financial sources sufficient for your maintenance.**

For up-to-date information on immigration, please contact the Hungarian Embassy in your country or our homepage.

The Tempus Public Foundation also operates a website for foreign students and teachers where they can find useful information about visa, insurance and other questions related to staying in Hungary: <http://www.studyinhungary.hu>.

9.2. Journey to Debrecen

The best and most comfortable way to get from Budapest to Debrecen – if you arrive by air, train or coach – is by train. If you are at the airport, take an Airport Minibus (☎ 1/296 8555) to the appropriate railway station (Nyugati or Keleti). You can choose between three different types of train from Budapest to Debrecen, but it is advised you take an IC (InterCity) train. All IC trains start from Budapest-Nyugati Railway station. Please do not forget that you will need a seat reservation ticket.

For information about the schedule and ticket prices, please visit the following web site: <http://www.elvira.hu>

The best way to get to the Centre for Agricultural Sciences and Engineering from the Debrecen railway station is to take bus No. 14 from in front of the railway station, which takes you directly there. The city's bus, tram and trolley lines allow passengers to reach any part of Debrecen. You need a pre-purchased ticket (or to purchase a monthly pass, which can be bought at a discount with a student ID card) to use these services, although individual tickets are also sold by the drivers, for a slightly higher fare.

By car from Budapest, take motorway M3 until Debrecen. If you take a motorway, please note that you have to buy a vignette (four-day, ten-day, monthly and yearly tickets are available) at any petrol station or at the board. A four-day ticket costs about 1700 HUF, a seven-day ticket costs about 2500 HUF and the price of the monthly ticket is about 4200 HUF, they are valid for all the motorways in Hungary. You have to obtain your vignette before entering the motorway. The distance between Debrecen and Budapest is 230 km, driving time is about 2 hours. Please remember that the speed limit is 90 km/hour (130 km/hour on motorways) and 50 km/hour within a populated area, marked by signs on which appear the settlement's name (entrance to reduced speed zone), or its name with a slash through it (exit from reduced speed zone).

10. Once in Debrecen

How can you get a student ID card?

In order to be able to get a student ID card, you need a certificate issued by the International Office, one photograph, and to pay a small fee (360 HUF) in a bank. After that you will be given a temporary student ID card, which is available for 60 days. After 60 days you need to pay 90 HUF in a bank, and to go back to the Office and you will get another temporary student ID card. Student ID cards are provided at the Student's Affairs Office of the appropriate faculty. If you have a student ID card, you are entitled to receive a discount on monthly tickets for trams, buses, and other means of public transport.

All duly registered students receive a Hungarian student ID card for the length of their stay.

10.1. Registration at the Centre

Registration will take place in the Students' Affairs Office, in the Student Hostel of the Centre of Agricultural Sciences. Students will be asked to fill-in the appropriate registration form. Office hours for students: Monday-Thursday: 8.00-12.00, Friday: 8.00-13.30.

For registration, the following documents will be required:

- copy of certificate of registration from your home university or copy of your student card for the exchange period
- copy of certificate of health insurance
- residence permit (the number of the residence permit can be provided later)

10.2. Accommodation and subsistence

There is limited accommodation in our students' hostel provided for foreign students, upon request:

- a flat for 4 students, price: 30 000 HUF/month/person (including overheads) (2 rooms, kitchen, bathroom and toilet)
(if less than four students share the flat, they should pay their proportional share of the 80000 HUF monthly rent for the flat and a 1000 HUF contribution/person/month)
- room in the dormitory (around 19 000 HUF/month) (toilet, kitchen and bathroom in the corridor shared with other students of the same floor)
(Address: 4032 Debrecen, Böszörményi út 140. Hungary)

If you can not be accommodated in this facility, you can surely find a room or a flat to rent near the university within a few days after your arrival, prices are about 15000-30000 HUF/month + overheads for a room, and 30000-90000 HUF/month + overheads for a flat. Help can be obtained at the Centre for External Relations.

You can have lunch in the dining hall of the students' hostel. If you choose a menu, it costs 460 HUF, or you can choose a la carte for a price of 500-600 HUF/meal, depending on the dish chosen. No breakfast or supper is served here, but there are kitchens in each flat of the hostel, in which you can prepare meals for yourself.

Request for accommodation is to be sent together with the application package. The application form is available on our website www.agr.unideb.hu

11. Computing Facilities

Today, computers are an integral part of everyday educational and research work in all faculties and institutes. Implementation and continuous development of the networks have been accomplished not only within the institutions themselves, but also among the institutions.

As one of the most significant results in this area, a computer network was created in 1994, connecting all higher education institutions of Debrecen and serving a

joint computer and telephone network, thus enabling e.g. the joint development of computerized library facilities. The institutions are connected by means of a high-speed, optic FDDI and ATM backbone network. Internet access through HBONE can be achieved at the speed of 155 Mbps. Computer laboratories are at student disposal in the faculties for computer science for its own instructing purposes, and for those of other subjects, too. Computers of the separate institutions are wired into the networks, and there are LAN and WAN connections in the laboratories. Computers in the libraries and computer centres are available without restriction for students' private use. Special multimedia language laboratories are provided for language programmes.

12. Libraries

12.1. University and National Library

Address : 1 Egyetem Square
 Reading Hall: From Monday to Friday: 8⁰⁰-20⁰⁰
 Saturday: 9⁰⁰-17⁰⁰

Closed during the summer

Lending Library: From Monday to Friday 10⁰⁰-18⁰⁰
 Saturday: 10⁰⁰-13⁰⁰
 In the summer: Monday-Thursday: 10⁰⁰-18⁰⁰
 Tue-Wed-Fri: 10⁰⁰-16⁰⁰

Services: lending, reading on site, access to CD ROM databases, online search in databases, Internet access, copying, printing, scanning.

The University and National Library of the University of Debrecen – established in 1916 and opened in 1918 – is the second largest national library in the country. A store for periodical and newspaper collections, as well as for a collection of musical compositions, was established, and a computer database was also created around 1987. The introduction of an integrated library system took place in 1991. The DC network – implemented from a joint project of KLTE, DOTE, the University of Miskolc, together with the library of the University of Kosice, Slovakia – was put into operation in 1993.

The most important task of the library is to assist educational and scientific work and to meet student demand. The library provides a reliable support system, not only for the educational and research activities of the university, but for the scientific life and refinement of the Eastern Hungarian region.

Holdings number about 1.2 million volumes, 165 thousand periodicals, and 2.5 million other units. Together with the book stocks of department libraries and other library units at the different campuses, it provides a choice of more than 6 million items for readers.

The service units of a modern library were gradually developed, the most important being bibliography, library loans, the organisation of international publications, and modern Xeroxing possibilities.

The collections are continually growing, especially the archive of manuscripts, the collection of old and rare books and that of musical compositions. Concerning the content, collecting is mainly directed at obtaining the literature of the various disciplines of the natural and social sciences. The service of depository copies, provided by the institute as a national library, allows access to the complete domestic literature from all branches of science.

The library arranged its reader service according to the needs of educational, research and scholarly activities conducted at the university. It gives priority to the teaching staff and students of the university, as far as providing them with books, information, and room for research is concerned.

It provides these services for no - or limited fees within the institution. Loan information is closely co-ordinated with the research and instruction conducted at departments, thus assisting students to become familiar with the means and methods of independent bibliographical research.

As a network centre, it unites and professionally directs departmental libraries, and provides them with central services. At the same time, as a public scientific library, it is open for readers off campus. Besides the University and National Library of the University of Debrecen, central and departmental libraries also operate at the faculties and institutes of the University.

12.2. University and National Library, Library of Agricultural Sciences

Address: 138. Böszörményi Street, Main Building

Opening hours:

- Reading Hall: From Monday to Friday: 9⁰⁰-18⁰⁰
Saturday: 9⁰⁰-13⁰⁰ (only in the exam period)
- Lending: From Monday to Friday: 9⁰⁰-15⁰⁰

Founded in 1868. Current holdings comprise over 150,000 volumes and 800 different periodicals. The library increases by 2,000 volumes per year. It continuously subscribes to 60 foreign magazines and newspapers. The number of library

members is 1,600. The library operates according to the *Voyager* library system. The library is situated on the 1st floor of Building A. Foreign books, periodicals and magazines are available at each departmental library, as well.

13. Free time and sports

Debrecen, as one of the cultural centres of the Eastern region, provides many entertainment opportunities. There are several museums and cinemas in the city, and many important domestic and international cultural events are organised here.

The university contributes greatly to promoting the cultural and intellectual life of the city. The impressive hall of the main building of the university (Egyetem tér 1.) hosts many cultural events, including exhibitions, musical events, competitions, and balls. Since 1927, it has also operated the Summer School, offering for example courses in Hungarian to interested guests from around the world. The Summer School in Debrecen is the oldest such programme in the country.

The Cultural Association of Students' Unions of Hajdúság (HAHA) was formed in April 1996, as the voluntary association of students' unions of the county's institutions of higher education. The aim of the association is to provide high quality entertainment opportunities for university students. There is a hall called the "Lovarda" building (formerly a riding school – which is incidentally the meaning of the Hungarian word "lovarda", converted into a recreational centre for the student population), located on the university's Kassai Street Campus, which is capable of hosting classical and pop music concerts, artist exhibitions and industrial product promotions, housing large stage performances and conferences, and showing movies. Smaller clubrooms and cafés are at students' disposal on each of the university campuses. The higher education magazine 'Egyetemi Élet (University Life) runs a column that keeps students informed about entertainment possibilities.

The "Kazánház" (which means "Furnace House" in Hungarian, and which was converted from one) offers students on the campus of the Centre of Agricultural Sciences a 500 m² facility for hosting a wide range of opportunities for entertainment. The traditional Wednesday and Saturday night parties have found their new home here. Of course, beside these, the facility is suitable for hosting small concerts, student group gatherings, class reunions, movie screenings or even some sport events. Guests can play darts and snooker. The bar is open every day until dawn, while in the daytime it functions as a café, offering refreshments at affordable prices for students.

Besides university-organised events, students are also invited to attend events, exhibitions and programmes off-campus. Open-air establishments, sports grounds and gyms await those who wish to exercise or participate in any kind of sporting activity. There are swimming pools close to the university. The university sports club provides opportunities for physical exercise and sports for both students and staff.

The Physical Education Group of the Centre of Agricultural Sciences organizes the common compulsory PE lessons for the students, which they can attend on working days. In addition, the Centre has several sports teams, including a football, basketball and volleyball team, which students can join. As a result of the good relationship between the faculties, students have the opportunity to participate in yoga and combat sports courses, and can also attend adapted physical education lessons. In addition, students can play handball, tennis and table tennis. The PE Group also organizes programmes for the summer and the winter, such as rowing tours on the river Tisza, sailing camps and skiing excursions.

13.1. Sporting facilities in the city

➤ **Swimming pools and baths:**

Aquaticum Debrecen Spa and Bath

Address: 1 Nagyerdei Park

Open: 6⁰⁰-19⁰⁰

Competition Swimming Pool

Address: Zákány Street

UÁMK Swimming Pool

Address: 17-21. Jerikó Street

Swimming Pool of the Tóth Árpád High School

Address: 12 Szombathi I. Street

➤ **Other facilities:**

Indoor Skating rink

Address: 33. Derék Street

Skating rink

Address: 5. Oláh Gábor Street

Corpus Fitness

Address: 5. Oláh Gábor Street

14. Practical information

14.1. Local traffic

In the city of Debrecen, you can travel by bus, tram and trolley bus. If you want a combined student monthly ticket for all of them, this costs around 3000 HUF. From the 28th of the outgoing to 5th of each new month, season tickets can be bought on the first floor of the Spar supermarket near the Centre and at the main building of the University of Debrecen, on other days season tickets are available at the Central Ticket Office (Petőfi Square, opposite to the railway station).

A single ticket costs 240 HUF if pre-purchased. If you buy it on the bus, the price is 300 HUF.

14.2. Health and insurance

Medical facilities

All international students have the right to use the medical facility of the Centre of Agricultural Sciences, which is situated in the students' hostel (Veress Péter Kollégium, room no. 5). Hours: from Monday to Thursday 14.00-14.30. If a student needs hospital service, it is advised to go to the appropriate clinic of the Medical and Health Centre.

Insurance coverage

Under the social security system of Hungary, international students can obtain health insurance in Hungary. If students are interested in this alternative, they should contact directly:

Megyei Egészségbiztosítási Pénztár
4026 Debrecen, Darabos u. 9-11.
+36 52 446 999, Fax: 36 52 430 379

You are required to arrange health and accident insurance by a reliable insurance company from your home country or the above-mentioned Hungarian institution prior to arrival in Hungary.

14.3. Banks

There is no limit on the amount of money you can bring into Hungary, but you must check any limits imposed on exchange in your home country. You can bring money into Hungary in Hungarian Forints, foreign currency notes or travellers cheques.

You will need some Hungarian Forints in cash (around 20.000 HUF) for immediate expenses during your first days in Hungary. You should also bring some money in travellers cheques (around 200 Euro), in case of difficulty with any transfer of funds.

Banking hours:

Most banks are open from 09.00 to 14.00 Monday to Friday. In addition, there is a bank at the University of Debrecen, where you are advised to open a bank account, as if you were to get any funds from the university, they would go through that bank.

The address of the bank is: **Erstebank Egyetemi Fiók**

4010 Debrecen, Egyetem tér 1.

☎ 412-634 or 316 666 / 2146, Fax: 348-202

All major credit cards are generally accepted by banks and larger shops. Do not carry large amounts of cash or money orders on you!

The main banks in Debrecen:

Budapest Bank Rt. 4024 Debrecen, Vár u. 6/a tel: 40/477-777 www.budapestbank.hu	CIB Bank Rt. 4025 Debrecen, Simonffy u. 2/a. tel: 52/442-201 fax: 52/500-529
Inter-Európa Bank Rt. 4024 Debrecen, Piac u. 32. tel: 52/347-820, fax: 347-433	Kereskedelmi és Hitelbank Rt. 4024 Debrecen, Piac u. 52. tel: 504-500, fax: 319-895
Bank Austria Creditanstalt 4024 Debrecen, Kossuth u. 25-27. tel: 52/504-450, fax: 504-490 www.baca.hu	Magyar Külkereskedelmi Bank Rt. 4024 Debrecen, Vár u. 6/c. tel: 346-011, fax: 346-817
OTP Bank Rt. 4025 Debrecen, Hatvan u. 2/4. tel: 52/506-512, fax: 344-159	Postabank és Takarékpénztár Rt. 4024 Debrecen, Vár u. 4. tel: 415-599, fax: 414-761
Raiffeisen Bank 4026 Debrecen, Péterfia u. 18. (Debrecen Plaza) Tel: 06-40-48-48-48	

14.4. Meals, shopping

All students are encouraged to use any of the university's snack bars or canteens. They are open from Monday to Friday.

Self-catering: Supermarkets, such as TESCO (13 Kishegyesi Street), INTERSPAR (27 Fűredi Street), SPAR (6 Ötvenhatosok tere), CORA (7 Kishatár Street, free buses are operated to CORA and back), FORUM (30 Csapó Street), DEBRECEN PLAZA (18 Péterfia Street), PROFI (Ötvenhatosok tere), PLUS DISZKONT (Nagy Lajos király tér) are generally cheaper than small shops. Shopping hours are normally from 8.00-18.00 from Monday to Friday. The big supermarkets and some small shops are open longer and even on weekends. In the fresh produce market - in the centre of town - you can buy fresh vegetables and fruits everyday, in the mornings. There are several ethnic restaurants in Debrecen. Eating out is not very expensive - 1500 HUF is the average for a restaurant meal without drinks. Major credit cards are generally accepted. The present (May 2006) exchange rate is about: 250 HUF/EURO.

Pizza home delivery:

- Pizza via Pizzéria
4025 Debrecen, 2 Arany János Street tel.: 310 800
- Don Pedro Pizzéria
4024 Debrecen, 49 Kossuth Street tel.: 310 055
- Pizzéria Gilbert
4026 Debrecen, 5 Kálvin Square Tel:537 373
- Pizza Express
4032 Debrecen, 4 Lisznyai Street tel: 453 000

14.5. Post offices, phoning

The main post office is located in the centre of the town:

Address: 4026 Debrecen, Hatvan u. 5-9., tel.: 412 111

There is a post office near the Centre:

Address: 4032 Debrecen, Cívís u. 18., tel.: 429 355

The post office at Cora is open even at weekends.

The local telephone system allows you to communicate easily and quickly with any country in the world. Most telephone booths operate with cards, but there are still some operating by coin. They are available at post offices and anywhere in town. You can generally use your cellular phone in the city if your phone company has a roaming agreement with a Hungarian service provider.

The country code of Hungary: 36

The area code for Debrecen: 52

14.6. Cinemas, theatres, museums, amusement park and zoo

There are several cinemas in Debrecen. Today, more and more films are subtitled, so international visitors can also enjoy them.

Main cinemas in Debrecen:

CINEMA CITY-DEBRECEN PLAZA
4026 Debrecen, 18 Péterfia Street Tel.: 456 111

APOLLÓ
4025 Debrecen, 1 Miklós Street Tel.: 417 847

KLINIKAI MOZI
1 Móricz zsigmond körút
At 7 o'clock 3 times a week

Theatre: CSOKONAI THEATRE
4024 Debrecen, Kossuth Street 10. tel.: 417 811, 455 075
(non-Hungarian speaking performances are rare)

Museums:

DÉRI MUSEUM Debrecen, 1 Déri Square	DELIZSÁNSZ SHOW ROOM (POSTA Museum) Debrecen, 3 Múzeum Street
FERENC MEDGYESSY MEMORIAL MUSEUM Debrecen, 28 Péterfia Street	LÁSZLÓ HOLLÓ MEMORIAL MUSEUM Debrecen, Holló László Passage
MUSEUM OF THE REFORMED COLLEGE Debrecen, 16 Kálvin Square	The MODEM Centre for Modern and Contemporary Arts Debrecen, Baltazár Dezső Square 1.

Amusement park and Zoo: Debrecen, 1 Ady Endre Street

14.7. Selected pharmacies

Újkerti Patika: 75 Böszörményi Street (opposite to the Centre of Agricultural Sciences) Tel.: 431 950

Arany Egyszervú: 8 Kossuth Street Tel.: 316 325

Nyugati Utcai Gyógyszertár: 5-7 Nyugati Street Tel.: 417 777

Libra Patika: 98 Nagyerdei körút Tel.: 432 288

Déri téri Patika: 2 Déri Square Tel.: 412 646

Éva Patika: 2/c Vezér Street Tel.: 530 292

Nap Patika: 1. Hatvan Street Tel: 530 517

14.8. Travel agencies

During your stay at our university, you will surely want to use the opportunity to explore the countryside. Travel agencies can help you to find the best places to visit.

In the city of Debrecen, you can find several travel agencies in Piac Street and its neighbouring streets to choose from. Below, we list only some of them:

Hunguest Travel Rt. 4026 Debrecen, 2 Péterfia Street Tel: 320 877	OTP Travel - Silver Travel Center 4025 Debrecen, 69 Piac Street Tel: 422 588, 342 066
Nah und Fern Travel Agency 4024 Debrecen, 14/6 Vár Street Tel.: 415 122	Red Treff Air & Travel Services 4024 Debrecen, 18 Piac Street Tel: 448 340, 320 898
Malév Air Tours 4026 Debrecen, Vár Street 10. Tel: 416 545	Baumann Reisen 2000 4024 Debrecen, 2-4 Kossuth Street Tel: 530 312

15. Embassies in Hungary

AUSTRIA 16. Benczúr Street, District VI., Budapest Tel: 1-351-6700	ITALY 95 Stefánia Street, 1064 Budapest Tel: 1 460-6201
BELGIUM 11-15. Kapás Street, District III., Buda Business Center, Budapest Tel: 1 457-9960 / 1 375-1566	POLAND 16 Városligeti fasor 1068 Budapest Tel: 1 342 8135
CZECH REPUBLIC 61 Rózsa Street, District VI, Budapest Tel: 1 351-0539	PORTUGAL 53 Alkotás Street Build. C., 4th floor 1026. MOM Park. Budapest Tel: 1 201-7617
DENMARK 37. Határőr Street, District XII., Budapest Tel: 1487-9000	ROMANIA 1146 Budapest, Thököly Street 72. Phone: 00-36-1-384-0271 Fax: 00-36-1-384-5535
FINLAND 16/a Kelenhegyi Street, District XI., Budapest Tel: 1 385-0700	SLOVAKIA 22-24. Stefánia Street 1143 Budapest Tel: 1 460 9010
FRANCE 27. Lendvai Street, District VI., Budapest Tel: 1 374-1100	SPAIN 11-15. Kapás Street District III., Buda Business Center, Budapest Tel: 1 202-4206
GERMANY 64-66 Úri Street, 1014 Budapest Tel: 1 488-3500	SWEDEN 27/a Ajtósi Dürer Street, District XIV., Budapest Tel: 1 460-6020
GREECE 3. Szegfű Street, 1063 Budapest Tel: 1 322 8004	THE NETHERLANDS 5-7. Füge Street, District II., Budapest Tel: 1 336-6300
IRELAND 7-9 Szabadság Square, 1054 Budapest Tel: 1 301-4960	THE UNITED KINGDOM 6. Harmincad Street, District V., Budapest Tel: 1 266-2888, 1 266-3004
TURKEY 123 Andrássy Street, 166 Budapest Tel: 1 344 5025/134, Fax: 1 344 5143	

16. Further information

Should you have any problems or questions, please do not hesitate to contact the Centre for External Relations of the Centre of Agricultural Sciences.

Address: 4032 Debrecen, Böszörményi út 138. Room no. 50.
Tel./fax: +36 52 508 406,
E-mail: mariamdori@agr.unideb.hu,
externalrelations@agr.unideb.hu

Office hours: Monday-Thursday: 8.00-16.00, Friday: 8.00-13.30

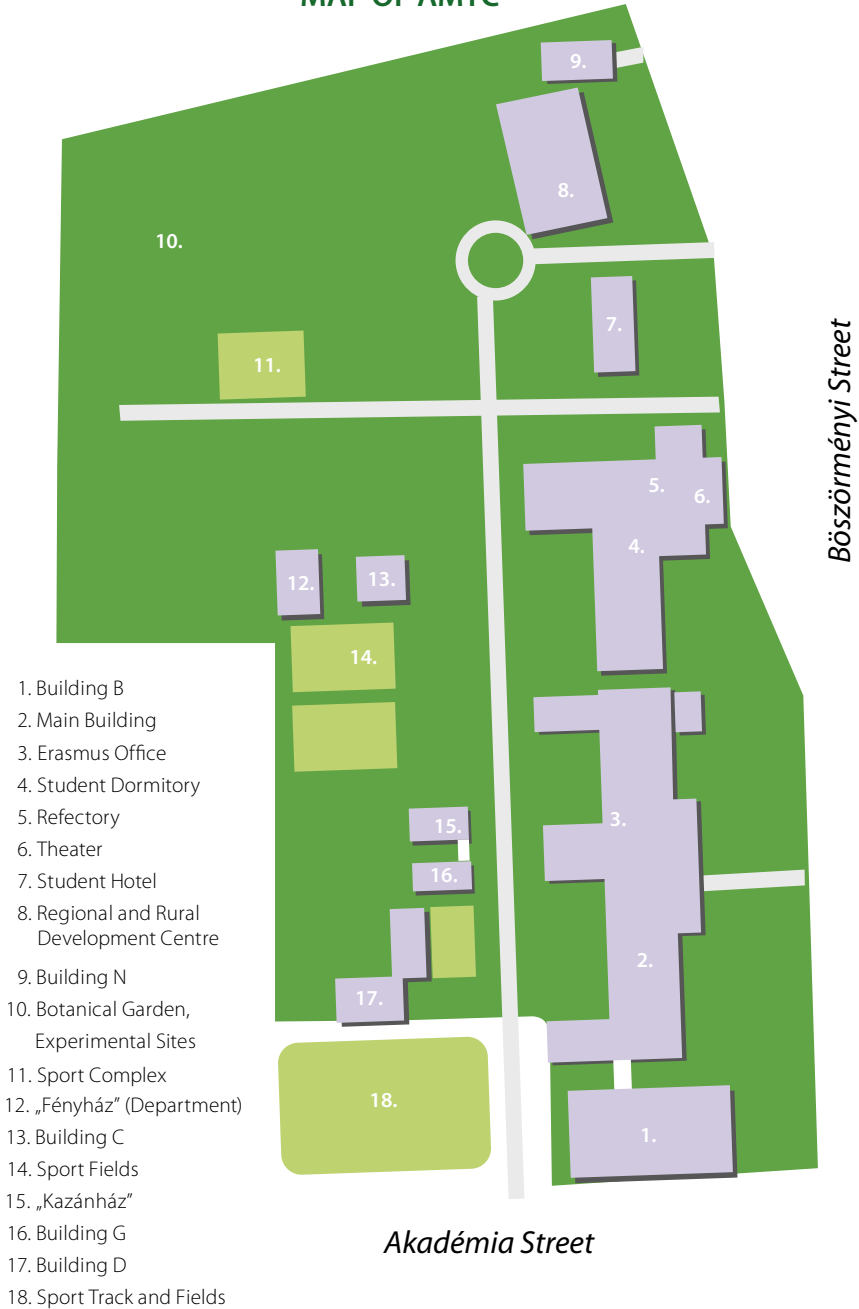
Please find more information on the University of Debrecen and the Centre of Agricultural Sciences on the following Web sites:

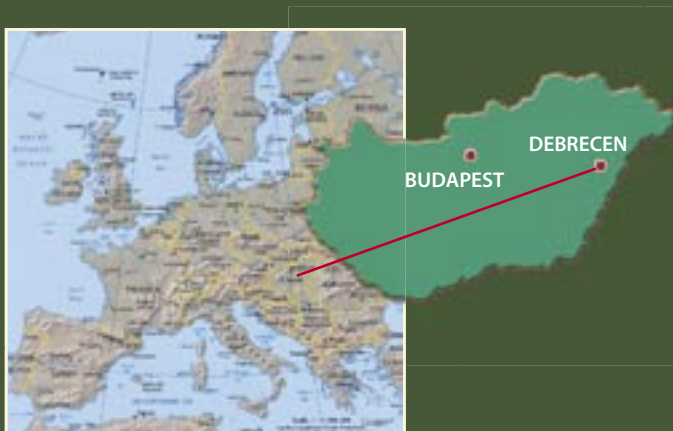
<http://unideb.hu> (University of Debrecen)

<http://agr.unideb.hu> (Centre for Agricultural Sciences and Engineering)

Welcome to Debrecen!

MAP OF AMTC





UNIVERSITY OF DEBRECEN
CENTRE FOR AGRICULTURAL SCIENCES
AND ENGINEERING

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Tel.: +36 52 415 873 • www.agr.unideb.hu