



ROMANIA
MINISTRY OF NATIONAL EDUCATION
UNIVERSITY OF CRAIOVA
FACULTY OF HORTICULTURE

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PACKAGE OF COURSES

Master's degree programme: MANAGEMENT AND CONSULTING IN HORTICULTURE AND RURAL DEVELOPMENT

This is the package of course of master's degree programme of Management and Consulting in Horticulture and Rural Development from the University of Craiova/ the Faculty of Horticulture/The Department of Horticulture and Food Science

PLANTING MATERIAL PRODUCTION LEGISLATION

CODE: D29 M.C.H.M.101

CREDITS: 5

COURSE COORDINATOR: Prof. univ. Dr. Gheorghe ACHIM

YEAR / SEMESTER: 1st year / semester I

NUMBER OF HOURS PER WEEK: course -1 hour and lab - 2 hours

NUMBER OF WEEKS: 14

TYPE OF COURSE: advanced knowledge discipline

COURSE OBJECTIVES: Knowledge and assimilation of legislation about seeds and horticultural seedlings, the conditions that must be met by propagating and planting material to ensure good management, the importance of multiplication and certification scheme of biological material.

THEMATICS OF THE COURSE: The importance and necessity of knowing the legislation on the production of seeds and propagating material, a determinant factor in horticultural production.

The conditions to be met by seed and horticultural planting material;

The role of controlling on horticultural crops to establish identity, authenticity, variety purity and health status;

Record keeping, control and certification of seed and horticultural seedlings;

Ensuring and maintaining the biological and phytosanitary value of seeds and propagating material;

LANGUAGE: Romanian

KNOWLEDGE MANAGEMENT: Theoretical answers at the colloquium, weight - 50% and practical and theoretical verification at the laboratory, weight - 50%.

ASSESSMENT METHODS: COLLOQUIUM

BIBLIOGRAPHY:

Achim Gh., 2007 – *Contribuții la stabilirea unor procedee noi de înmulțire eficientă a nucului și alunului*, Editura Conphys – Rm. Vâlcea;

Baciu A., Godeanu I., 2000 – *Producerea materialului săditor pomicol*, Editura Universitaria, Craiova;

Giorgota M., Nicolae L., 2010 – *Legumicultură specială*, Editura Reprograph, Craiova;

Parnia Pârvan și colab., 1992 – *Producerea, păstrarea și valorificarea materialului săditor pomicol și dendrologic*, Editura Ceres, București;

Stănică F. și colab., 2002 – *Înmulțirea plantelor horticole lemnoase*, Editura Ceres, București;

Șeiculescu M. și colab., 2004 – *Tehnologie modernizată de producere a vișelor altoite în câmp*, Editura Conphys, Rm. Vâlcea;

**** Legea nr. 266/2002;

**** Ordinul nr. 8/18.01.2006;

**** Ordinul nr. 579/18.08.2006;

**** Ordinul nr. 574/09.07.2007

**** Directiva 2008/90/CE/29.09.2008

**** Ordinul nr. 82/08.04.2010

INTEGRATED PROTECTION MANAGEMENT

CODE: D29MCHM102

CREDITS: 5

COURSE HOLDER: *prof. dr. Ion MITREA*

YEAR/SEMESTER: *anul I/ sem. I*

NUMBER OF HOURS PER WEEK: *Curs – 1 ora/ Laborator – 1 ora*

NUMBER OF WEEKS: 14

TYPE OF DISCIPLINE: Advanced knowledge

COURSE OBJECTIVES: Knowledge of issues related to integrated control of horticultural plants, Knowing the role of integrated control in obtaining quality horticultural productions, Knowledge of phytosanitary legislation on organic horticultural products in Romania and in the European Union, Enhancement of plant protection knowledge as links of crop technologies and complementary means for obtaining quality and stable horticultural productions

COURSE CONTENTS: Integrated Plant Protection and Ecological Impact - Principles and Components, Types of losses and damages caused by harmful organisms (phytopathogens, pests and weeds) of the main horticultural plants, Host plant relationship - parasite / predator, Types of plant resistance to diseases and pests, The role of resistant varieties in the integrated protection of horticultural plants, Recommended methods, measures and means of prevention and control in the protection of plants with reduced impact on the environment and consumers of horticultural products, Technologies for the prevention and control of integrated pest control of key diseases and pests at: the main vegetable, floricultural and ornamental species, fruit trees and vines.

LANGUAGE OF INSTRUCTION: Română

KNOWLEDGE ASSESSMENT: răspunsurile la examen 70 %, răspunsurile finale la lucrările practice de laborator 30 %

ASSESSMENT TYPE: colloquy

REFERENCES:

I. Mitrea, 2005 - *Entomologie agricolă*, Ed. Universitaria, Craiova.

I. Mitrea, C. Stan, O. Țucă, 2010- *Entomologie vol. I*, Ed. Reprograph Craiova.,

Rodi Mitrea, 2006 - *Boli „cheie” ale principalelor specii horticole*, Ed. Universitaria, Craiova

I. Rosca, Mitrea Rodi, Stan C., 2008 - *Protecția biodiversității în principalele agroecosisteme*, Ed. TOTAL Publishing, București.

I. Rosca, I. Oltean, I. Mitrea, și colab. 2011- *Tratat de Entomologie Generala si Speciala*, Ed. Alpha MDN Buzău.

Gh. Simeria, 2001 – *Combaterea biologică în „sens strict” a patogenilor și dăunătorilor plantelor*, Ed. Mirton, Timișoara

Gh. Simeria., 2003 – *Profilaxia și terapia integrată a bolilor și dăunătorilor plantelor*, vol. II, Ed. Mirton, Timișoara

Gh. Simeria, Pîrșan P., Damianov Stejara, 2007- *Strategii non-poluante pentru combaterea patogenilor și dăunătorilor plantelor*, Ed. Eurobit, Timișoara.

M. Tomșa, Elena Tomșa, 2003 – *Protecția integrată a pomilor și arbuștilor fructiferi la începutul mileniului III*, Ed. GEEA SA, București.

VEGETAL DESIGN

CODE: D29MCHM103

CREDITS: 6

COURSE COORDINATOR: Senior Lecturer, PhD, Manuela MANDĂ

YEAR / SEMESTER: Ist Year / Ist Semester

HOURS PER WEEK: 1 hour of course, 2 hours of practical works

NUMBER OF WEEKS: 14

COURSE TYPE: specialized

COURSE OBJECTIVES: Knowledge of the basic principles and design elements in landscaping. Knowledge of the vegetal elements and the ways of framing them into the exterior and interior decoration. Recognising the thematic gardens according to the compositional elements. Knowledge of the new trends in plant design for outdoor, interior and intermediate spaces.

TOPICS: Design as a modern field of technique and art. Vegetable design - introductory concepts. Stylistic typologies in landscape design. Principles and elements of composition in landscape design. Vegetation as a landscape design element. Ways of framing the dendro-floral vegetation in the green spaces decoration. Elements of vegetation. Visual effects of arrangement of vegetation elements in landscaping. Types of gardens. Classification criteria. Thematic gardens according to the compositional elements. Vegetable design and ways of embodying ornamental plants in indoor and intermediate spaces (terraces and balconies).

TEACHING LANGUAGE : Romanian

KNOWLEDGE ASSESSMENT: answers to exam 0%, activities such as homework/ essays/ papers/ projects 50%

ASSESSMENT FORM: exam

REFERENCES

1. Dascălu Doina Mira, 2013-2014 – Design în peisagistică (note de curs). USAMV Iași.
2. Hansen, G., & Alvarez, E., 2010 - Landscape design: Aesthetic characteristics of plants. ENH1172, IFAS extension.
3. Iliescu, Ana-Felicia, 2003 - Arhitectură peisageră, Ed. Ceres.
4. Jurov Cosma, 2006 - Arhitectura ambiantelor: elemente de teorie cognitiva si psihologie ambientala in arhitectura. Bucuresti, Capitel, 502 p. ISBN 978-973-85529-2-6.
5. Kluckert Ehrenfried, 2005 - European Garden Design from classical Antiquity to present day, Ed Koneman.
6. Sonea V., L. Palade, A. Iliescu, 1961, Arboricultura ornamentală și arhitectura peisajelor. Ed. Didactică și pedagogică, București.
7. Simonds, J.O., 1967 - Arhitectura Peisajului. Ed.Tehnica, Bucuresti.

GROWING VEGETABLES IN SUSTAINABLE SYSTEM

CODE: D29MCHM104

CREDITS: 7

COURSE HOLDER: Senior Lecturer, PhD, Nicolae LASCU

YEAR/SEMESTER: 1st year/ 1st semester

NUMBER OF HOURS PER WEEK: 2 hours course, 1 hour practical course

NUMBER OF WEEKS: 14

COURSE TYPE: main subject

COURSE OBJECTIVES: Developing the knowledge about the object of study and the importance of the culture of vegetables for a sustainable rural development. The current situation of organizing the culture of vegetables in our country and on world level into a sustainable system, developing the knowledge about the elements defining the frame of general technologies of the cultivation of vegetable plant species within the frame of the systems and forms practiced in the context of sustainable development. Developing the knowledge, in general, about the eco-techniques of vegetable plants' cultivation in different systems, as an alternative for sustainable development.

THEMES: The ecosystem of vegetables. Systems and subsystems in alternative farming, sustainable, organic vegetable production etc., principles and peculiarities. The vegetable system as a sustainable and integrated system, that is ecological, biological, technological, informational, energetic and with a good marketing. The technological bases of vegetable plant's cultivation. Cultivation systems. New systems of water supply. Basic principles and particulars relating to sustainable vegetable fertilization. Particulars regarding the choice of the land and preparing the ground for sustainable vegetable growing (by "minimum work "). Organization and rational use of land – the ecological factor and the technological characteristic element. The rotation of vegetables, an important factor in growing vegetables in the context of sustainable development. Associated (mixed) crops of vegetable plants in a system of sustainable development. Choice of an assortment of species, of a genotype and the seed for the establishment of vegetable crops in a sustainable system. Weed prevention and weed control in vegetable crops in an integrated system of plant protection. Protection in an integrated system of vegetable crops in the context of a sustainable development

LANGUAGE OF INSTRUCTION: Romanian

KNOWLEDGE ASSESSMENT: exam answers 70%, continuous testing 15%, general thematic work / essay / translations / projects 15%.

ASSESSMENT TYPE: exam

BIBLIOGRAPHY:

1. Agnes Geda , 2007 - *Grădina de legume ecologice*, Edit. Polirom
2. Bălan Viorica, Liviu Dejeu, Adrian Chira, Ruxandra Ciofu, 2003 – *Horticultura alternativă și calitatea vieții*, Edit. GMP. MINISCHOOL, București.
3. Bujor Mănescu, Marcela Ștefan, 2003 – *Sisteme horticole comparate*, Edit. ASE București.
4. Chilom Pelaghia, 2002 – *Legumicultură* Vol. I, . Edit. Universitaria, Craiova.
5. Chilom Pelaghia, 2005 - *Protecția ecosistemului legumicol*, Edit. SITECH, Craiova.
6. Ciofu Ruxandra și colab., 2004 – *Tratat de Legumicultura*, Edit. Ceres, București.
7. Dejeu L., Petrescu C., Chira A., 1997 – *Horticultura și protecția mediului*, Ed. Didactică și pedagogică București
8. Fitu A. 2003 - *Ecologia și protecția mediului*, Edit. Academic Pres, U.S.A.M.V. Cluj Napoca
9. Horgoș Arsenie și colab. – *Elemente de inginerie tehnologică în legumicultură* Vol. II *Fertilizarea, irigarea și protecția fitosanitară a culturilor de legume*. Edit. Eurostampa, Timișoara, 2015
10. Leon Sorin MUNTEAN și colab., 2005 – *Bazele agriculturii ecologice*, Edit. RISOPRINT, Cluj-Napoca
11. xxx MAPAM, 2004, - *Tehnologii ecologice pentru cultura plantelor*

TECHNICAL MANAGEMENT OF TREE HOLDINGS

CODE: D29M.CHM105

CREDITS: 7

COURSE COORDINATOR: Prof. univ. Dr. Gheorghe ACHIM

YEAR / SEMESTER: 1st year / 1st semester

NUMBER OF HOURS PER WEEK: course - 2 hours and laboratory - 2 hours

NUMBER OF WEEKS: 14

TYPE OF COURSE: specialized discipline

COURSE OBJECTIVES: Learning, knowledge and solutions on modern management functions;

Deepening knowledge of the importance and efficiency of the organization and functioning of the fruit holdings;

Deepen knowledge of resources and factors of production, their management;

Deepening knowledge about production management in fruit orchards;

Deepening knowledge about efficient managing and use of technical, material and human resources;

Knowing the product quality management and capitalizing on them;

Knowledge of marketing activity in fruit growing and managerial behavior.

THEMATICS OF THE COURSE: Economic aspects regarding the main tree species cultivated in Romania;

Presentation of the criteria for determining the optimum size of viable fruit farms;

Management of the organization and establishment of orchards in fruit farms;

Fruit tree cultivation systems. Yield and quality of fruit production. Grouping of trees, degree of mechanization. Exploitation time and value of the investment;

Management of maintenance works in fruit plantations until entry into the fruit and during exploitation (of fruit);

Quality management and fruit harvesting in a sustainable fruit tree.

LANGUAGE: Romanian

KNOWLEDGE MANAGEMENT: Written exam, weight - 80% and practical check, weight - 20%.

METHOD OF ASSESSMENT: EXAM

BIBLIOGRAPHY:

Achim Gh., 2016 – *Managementul tehnic al exploatațiilor pomicele (note de curs)*, Universitatea din Craiova;

- Alecu I., Cazac V., 2002 – *Managementul agricol în România, trecut, prezent și viitor*, Editura Ceres, București;
- Baciu Adrian, 2005 – *Pomicultură generală*, Editura Universitaria, Craiova;
- Bălan Viorica, Dejeu Liviu, Chira Adrian, Ciofu Roxandra, 2003 – *Horticultura alternativă și calitatea vieții*, Editura GMP Minischool, București;
- Ghenea Nicolae, Braniște Nicolae, 2003 – *Cultura specială a pomilor*, Editura Matrixrom, București;
- Isac Ilarie, 2002 – *Managementul tehnico-economic al exploatației pomicole*, Editura Pământul, Pitești;
- Oancea Margareta, 1999 – *Tratat de management în unitățile agricole*, Editura Ceres, București.

ORNAMENTAL CONSTRUCTION IN LANDSCAPING

CODE:D29MCHM206

CREDITS: 8

COURSE COORDINATOR: Ph.D, Senior Lecturer, Manuela Adriana MANDA

YEAR / SEMESTER: 1st year/ 2nd semester

HOURS PER WEEK: 2 hours of course, 2 hours of practical works

NUMBER OF WEEKS: 14

COURSE TYPE: specialized

COURSE OBJECTIVES: Knowledge of the elements built specifically to parks and gardens. Establishing their role in green space design from a decorative and functional point of view. Selection of buildings according to the compositional principles adopted for general arrangement. Knowledge of the main building materials used in landscaping, their properties and ways of using them. Establishment of construction materials used in accordance with their role and importance and with the characteristics of the space in which they are located.

TOPICS: Introduction, purpose and content of the course. The role of ornamental constructions. Building Materials. The main categories of ornamental constructions. Pavements, curbs, ladders, supporting walls

Pergolas, trenches and colonnades. Water "decorative element of ornamental constructions". Alpine gardens, rocks. Jardiniers, decorative pots. Plastic art pieces. Park and garden furniture.

TEACHING LANGUAGE: Romanian

KNOWLEDGE ASSESSMENT: answers to exam 50%, activities such as homework/ essays/ papers/ projects 50% .

ASSESSMENT FORM: exam

REFERENCES

1. Iliescu, Ana-Felicia, 2003 - Arhitectură peisageră, Ed. Ceres.
2. Jurov Cosma, 2006 - Arhitectura ambiantelor: elemente de teorie cognitiva si psihologie ambientala in arhitectura. Bucuresti, Capitel, 502 p. ISBN 978-973-85529-2-6.
3. Kluckert Ehrenfried, 2005 - European Garden Design from classical Antiquity to present day, Ed Koneman.
4. Reid, Grant W., 1993 - From concept to form in landscape design.
5. Simonds, J.O., 1967 - Arhitectura Peisajului. Ed.Tehnică, Bucuresti.
6. Zimmermann, A., 2011 - Constructing landscape: materials, techniques, structural components. Birkhäuser.

MANAGEMENT OF VINEYARD HOLDINGS

CODE:D29MCHM207

CREDITS: 7

COURSE COORDINATOR: Professor PhD GIUGEA Nicolae

YEAR / SEMESTER: 1st Year / 2st Semester

HOURS PER WEEK: 2 hours of course, 1 hours of practical works

NUMBER OF WEEKS: 14

COURSE TYPE: discipline of synthesis

COURSE OBJECTIVES: Knowing the theoretical bases of viticulture management; knowledge of the types and structure of the viticultural holdings; understanding the ways in which economic activities are conducted in wine-growing; promoting a successful viticulture through the efficient organization and exploitation of farms

TOPICS: Organization of viticultural holdings; factors of production and their use in viticulture
Economic performance of wine-growing holdings; use of European financial resources for the development of viticulture

TEACHING LANGUAGE : Romanian

KNOWLEDGE ASSESSMENT: answers to exam 50%, final answers to Laboratory works 50%

ASSESSMENT FORM: examination

REFERENCES

1. Miron L., Beleniuc G., 2013, Managementul exploatațiilor și al calitatii produselor agricole. Ed. Universitară, București;
2. Pânzaru R.L., Medelete D., Ștefan G., 2007, Elemente de management și marketing în agricultura. Ed. Universitaria Craiova;
3. Davidovici I., 2002, Procese decizionale și performanța economică în exploatarea agricolă, Editura IRLI, București;
4. Alecu I. și colab., 2001, Managementul exploatațiilor agricole. Ed. Ceres, București.

ELABORATION, CLARIFICATION AND STABILIZATION OF STRICTO-SENSU WINES

CODE: D29MCHM207

NUMBER OF CREDITS: 7

COURSE COORDINATOR: Associate Professor Constantin BĂDUCĂ PhD

YEAR OF STUDIES AND SEMESTER: year I/semester II

NUMBER OF HOURS PER WEEK: Course – 2 hours / Practical work – 1 hour

NUMBER OF WEEKS: 14

TYPE OF DISCIPLINE: specialized disciplines

COURSE OBJECTIVES: Knowledge of modern technologies and procedures for the elaboration and conditioning of various types of wine.

COURSE CONTENTS: Modern technologies in white wine; Red wine modern technologies; Special winemaking technologies; Colloidal phenomena in wine; Wine clarification; Wine stabilization

LANGUAGE OF INSTRUCTION: Romanian

KNOWLEDGE ASSESSMENT: Examination 60%, written papers 40%

VERIFICATION FORM: Continuous assessment/colloquium

REFERENCES:

1. Băducă Cîmpeanu C., 2003, Bazele biotehnologiilor viticole. Editura Sitech, Craiova
2. Băducă Cîmpeanu C., 2016. Oenologie. Bazele științifice și tehnologice ale vinificației. Editura Universitaria, Craiova.
3. Blouin J., Peynaud. E., 2006. Connaissance et travail du vin. 4^e édition, Édition Dunod, Paris
4. Ribereau-Gayon P., Glories Y., Maujean A., Dubourdiu D., 2005 – Traité d'Oenologie. Tome II. Chimie du vin. Stabilisation et traitements, Édition Dunod, Paris.

PROJECT MANAGEMENT

CODE: D29MCHM209

CREDITS: 8

COURSE COORDINATOR: Professor Dr. Sina Cosmulescu

YEAR / SEMESTER: Year I / II Semester

HOURS PER WEEK: Course – 2 hours / Seminar - 2 hours

NUMBER OF WEEKS: 14

COURSE TYPE: specialized

COURSE OBJECTIVES: Understanding the basic notions, the main knowledge base that makes the content of the project management. Creating the necessary skills to carry out projects in economic, cultural, political, non-governmental organizations etc.

TOPICS: Introduction. Project cycle management. Quality management. Management of human resources. Time management. Financial management. Other management activities (management of communication, conflict management in projects, risk management in projects, management of public acquisitions, management of the objectives). Control and evaluation. Monitoring. The management of the project cycle. Fundamental principles. Analysis tools. Impact study. Feasibility study. Business Plan. The selection of projects.

TEACHING LANGUAGE: Romanian

ASSESSMENT FORM: Exam (60% written examination, 40% periodic evaluation)

REFERENCES:

- Bonghez S. 2013. Managementul proiectelor – adevăr sau provocare. Ed. Universul Juridic.
Dennis L. 2009. Managementul proiectului. Ed. Monitorul Oficial.
Florescu D. 2012. Managementul proiectelor cu finanțare europeană. Ed. CH Beck.
Grigorescu A. 2008. Managementul proiectelor. Ed. Uranus
Iliescu V., Gherghinescu O. 2005. Managementul proiectelor, Ed. Didactică și Pedagogică, Bucuresti
Mocanu M., Schuster C. 2001. **Managementul proiectelor: Calea spre creșterea competitivității.** Editura All Beck, București.
Mochal T., Mochal J. 2006. Lecții de management de proiect. Ed. Codecs București.
Postavaru N. 2002. **Managementul proiectelor.** Editura Matrix Rom, Bucuresti.

2ST YEAR OF STUDY

QUALITY AND EXPLOITATION STANDARDS OF HORTICULTURAL PRODUCTS

CODE: D29MCHM310

CREDITS: 8

COURSE COORDINATOR: PhD. Associate Professor. Mira Elena IONICĂ

YEAR / SEMESTER: IInd Year / Ist Semester

HOURS PER WEEK: 2 hours of course, 2 hours of practical works

NUMBER OF WEEKS: 14

COURSE TYPE: mandatory

COURSE OBJECTIVES: •

Increasing knowledge regarding the quality and exploitation of horticultural products. Acquaintance by the participants of the main quality standards for fresh horticultural products as well as processed products obtained from the processing industry.

Knowing the quality standards of horticultural products.

Implementation of the HCCP system

Knowledge of the internal and EC legislation regarding the quality and exploitation of horticultural products

TOPICS:

The quality of horticultural products. Definitions. Quality Parameters. Examination and quality assessment.

Standardization of horticultural products. General issues of standardization. Elaboration and approval of the standards. Content and classification of the standards. Advantages of the standardization.

Internal rules. Certificate of approval. HACCP control systems. National legislation regarding the exploitation of the horticultural products. European Community legislation regarding the quality and exploitation of the horticultural products.

TEACHING LANGUAGE : Romanian

KNOWLEDGE ASSESSMENT: answers to exam 70%, final answers to laboratory works 30%

ASSESSMENT FORM: exam

REFERENCES:

1. Enătescu, A.M. și Enătescu, M., 2000, Calitate. Terminologie comentată. Ed.Tehnică, București
2. ISO 9000: 2005.Quality Management Systems- Fundamentals and vocabulary. International Organization for Standardization.
3. Pruteanu, Octavian, Bohosievici, Cazimir, Gherghel, N. ș.a., 2000, Managementul și controlul calității produselor și serviciilor. Editura Tehnica Info, Chișinău
4. Militaru, Gheorghe, 2008. Managementul producției și al operațiunilor. Editura ALL, București

NEW CONCEPTS IN LANDSCAPING

CODE: D29MCHM311

CREDITS: 6

COURSE COORDINATOR: Associate Professor, PhD, Carmen NICU

YEAR / SEMESTER: 2nd year/ 3rd semester

NUMBER OF HOURS PER WEEK: 1 hour of course, 2 hours of practical works

NUMBER OF WEEKS: 14

COURSE TYPE: specialized

COURSE OBJECTIVES: Knowledge of concept and ecological, economic, social and aesthetic benefits of vegetated roofs and vertical gardens integrated into sustainable urban architecture. Knowledge of building technologies of vegetated roofs, green facades and outdoor and indoor vertical gardens. Knowledge of the criteria of choosing, association and arranging of the dendrologic and flower species and of the specific maintenance works.

TOPICS: Vegetated roofs (concept, history, importance). Types of green roof systems. Components and construction details. Maintenance of vegetated roofs. Current constructive systems of vegetated facades and vertical gardens. Advantages and disadvantages. Maintenance of vegetated facades and vertical gardens. Criteria of ornamental species choosing for vegetated roofs, green facades and vertical gardens.

TEACHING LANGUAGE: Romanian

KNOWLEDGE ASSESSMENT: Exam answers 60%, presentation of papers, projects 40%.

ASSESSMENT FORM: COLLOQUIUM

REFERENCES:

Blanc P., 2011. Le mur vegetal. Ed. Michel Lafon, France.

Dunnett N., Kingsbury N., 2005. Toits et murs végétaux. Ed. Du Rouergue.

Guillaumin Agnès, 2012. Jardins à la verticale & Murs végétaux. Ed. Hachette Livre, Paris.

Osborne Michèle, 2012. Roof terrace gardening. Ed. Aquamarine, Wigston, England.

CONCEPTS AND STRATEGIES FOR RURAL DEVELOPMENT

CODE: D29MCHM312

CREDITS: 8

COURSE COORDINATOR: PhD. Associate Professor. Dorin Constantin COSTEA

YEAR / SEMESTER: IInd Year / IIIth Semester

HOURS PER WEEK: 2 hours of course, 1 hour seminar

NUMBER OF WEEKS: 14

COURSE TYPE: Specialized

COURSE OBJECTIVES: : the course aims at conveying the knowledge, the understanding and the use of concepts and strategies for rural development as well as the knowledge, understanding and use of diagnostic procedures and assessment of the rural space and of the developing regions, in order to

elaborate strategies and the implementation of rural development policy and sustainable development; the application and transfer of knowledge and conceptual-methodological skills in integrated analysis of rural space, in order to establish the basis for coherent strategies of rural development

TOPICS: The concept of rural development – methodological approaches. The concept of rural space. Socio-economic characteristics of the Romanian rural space. The structure and functions of rural space. Agriculture and rural space. The industrialization of the rural environment. Sustainable development - conceptual approaches. Sustainable development of rural space. The preservation and management of natural resources. Rural Economy and quality of life. Rural development strategy - Conceptual approaches. The evolution of rural development strategies - worldwide and in Europe. Methods and procedures for the analysis of rural development. Indicators of rural development. Strategy of rural development. European strategies and policy for a sustainable development. National strategies and policy for a sustainable development. Strategies and policies for rural development at the global level and at the EU level

TEACHING LANGUAGE : Romanian

KNOWLEDGE ASSESSMENT: answers to exam 50%, activities such as homework/ essays/ papers/ translations/ projects 50%.

ASSESSMENT FORM: exam

REFERENCES

1. Băltărețu Andreea, 2007. Ecoturism și dezvoltare durabilă, Edit. Prouniversitaria, București,
2. Brînzan Oana, 2006. Dezvoltare rurală, Editura Universității “Aurel Vlaicu” Arad, Arad, 2006
3. Costea Dorin, 2016. Concepte și strategii de dezvoltare rurală-suport de curs, Universitatea din Craiova
4. Rusali Mirela-Adriana, 2013. Dezvoltarea economică a ruralului în România. Concepte și evaluări, Editura Digital Data Cluj, ISBN 978-973-7768-84-1
5. <http://www.madr.ro/docs/dezvoltare-rurala/programare-2014-2020/strategia-de-dezvoltare-rurala-2014-2020-versiunea-I-nov2013-update.pdf>
6. <http://por2014-2020.adroltenia.ro/wp-content/uploads/2016/01/Studiu-agricultura-si-dezvoltare-rurala-.pdf>
7. <http://www.madr.ro/dezvoltare-rurala.html>
8. <http://www.madr.ro/pndr-2014-2020.html>
9. <http://www.rndr.ro/comunicare/publicatii/bune-practici.htm>
- 10.*** 1992, “Declaratia de la Rio privind mediul înconjurător și dezvoltarea”.
- 11.***2008, “Strategia Națională pentru Dezvoltare Durabilă a României. Orizonturi 2013-2020-2030”, Guvernul României – Departamentul pentru Reforma Administrației Publice Centrale, 151 pagini.

CONSULTING, ASSESSMENT AND HORTICULTURAL EXPERTISE

CODE: D29MCHM313

CREDITS: 8

COURSE COORDINATOR: PhD. Associate Professor Dinu Maria

YEAR/SEMESTER: year II / semester I

HOURS PER WEEK: Course – 2 hours/Seminar – 2 hours

NUMBER OF WEEKS: 14

TYPE OF COURSE: domain

COURSE OBJECTIVES: knowledge of the current situation also with regard to consulting, assessment and horticultural expertise; the development of capacities to communicate the results of activities in a demonstrative manner, to elaborate studies and reports for professional use; the ability to implement HACCP system and all systems of quality according to European standards; the ability to implement modern methods of modeling and simulation; acquisition of knowledge on project management.

TOPICS: Definition, object, terminology, importance, current situation and perspective. Objectives and policies concerning the quality of horticultural products. The enterprise as an object of evaluation and horticultural expertise (typology of agricultural holdings; the farm-management; the management of associative agricultural companies; the management of commercial agricultural companies).

Diagnosis of a horticultural farm (organization and presentation of information). Indicators of economic activity of an agricultural farm, content, classification (absolute indicators as an individual state and as an average state; relative indicators as an individual state and as an average state). Analysis of horticultural Systems. Factors that condition the quality of horticultural products. Recognizing the quality of horticultural products; perception of the quality of horticultural products; signs of quality, labeling and coding of food; measuring quality characteristics (horticultural production quality Assessment (fruit, vegetables, wine); quality system). Standardization of technical conditions. Prescribing the level of indicators and the establishment of quality classes.

TEACHING LANGUAGE : Romanian

KNOWLEDGE ASSESSMENT: answers to exam 70%, referrals, themes 30%

ASSESSMENT FORM: exam

REFERENCES:

1. Boboc D.,2007. Managementul calității produselor agroalimentare. Editura ASE București.
2. Merce E.,Ivan I.,2005. Managementul exploatației agricole. Editura Risoprint, Cluj-Napoca.
3. Oprean C.,Kifor C.V., Suci O.,2005. Managementul integrat al calității. Editura Universității „Lucian Blaga”, Sibiu.
4. ISO 9000:2001. Sisteme de management al calității – concepte și vocabular.
5. ISO 9000:2001. Sisteme de management al calității. Linii directoare pentru îmbunătățirea performanței.

**RESEARCH MODULE, PRACTICE AND ELABORATION OF DISSERTATION
PAPER**

CODE: D29MCHM414

CREDITS: 30

COURSE COORDINATOR: The didactic background of the license work

YEAR / SEMESTER: IIst Year / IIst Semester

HOURS PER WEEK: 14 hours of practical works

NUMBER OF WEEKS: 14

COURSE TYPE: de specialitate

COURSE OBJECTIVES: Ability to draw conclusions and propose solutions based on the results of the analyzes carried out in accordance with the field of interest. Mastering students' ability to carry out independent research - research work and to generate originality data and conclusions. The dissertation thesis must attest to the professional maturity of the graduate, having to meet certain minimal requirements of content, form and scientific level.

TOPICS: Defining the structure and bibliography of the work as a result of the study of the specialized literature, Review of the specialized literature based on the specialized academic sources recommended by the scientific guide and the sources considered relevant by the student, Defining the research methodology in order to achieve the proposed objectives, Writing the paper . Preparing the presentation for the dissertation, Presentation of the study results

TEACHING LANGUAGE : Romanian

KNOWLEDGE ASSESSMENT: oral presentation 100%

ASSESSMENT FORM: Colloqui

REFERENCES

Besides the bibliography recommended by the scientific adviser or the one considered relevant by the student, depending on the chosen research topic, the master student must also consider the literature that is a guide on how to elaborate and present a scientific paper: Guide for Elaboration and support of the diploma project and dissertation

thesis http://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Studenti/Ghid_licenta_disertatie_2016.pdf.

