

DISCIPLINE DESCRIPTION

1. Information on the study programme

1.1 Academic institution	UNIVERSITY OF ORADEA
1.2 Faculty	FACULTY OF ENVIROMENTAL PROTECTION
1.3 Department	AGRICULTURE- HORTICULTURE
1.4 Field of study	AGRONOMY
1.5 Cycle of study	LICENCE
1.6 Study programme/Qualification	AGRICULTURE/ENGINEER

2. Information on the discipline

2.1 Name of discipline	VEGETABLE SCIENCE						
2.2 Course holder	CHIEF OF WORKS DR. ING.CĂRBUNAR MIHAI						
2.3 Seminar/Laboratory/Project holder	CHIEF OF WORKS DR. ING.CĂRBUNAR MIHAI						
2.4 Year of study	III	2.5 Semester	V	2.6 Type of evaluation	Cv	2.7 Regime of discipline	I

(C) Compulsory; (O) Optional; (E) Elective

3. Total estimate time (hours per semester of didactic activities)

3.1 Number of hours per week	4	Out of wich: 3.2 course	2	3.3 seminar	2
3.4 Total hours in the curriculum	56	Out of wich: 3.5 curs	28	3.6 laboratory/ project	28
Time allotment					hours
Study assisted by manual, course support, bibliography and notes					18
Additional documentation in the library/ on specialised electronic platforms and in the field					40
Preparation of seminars/laboratories/ topics/reports, portfolios and essays					20
Tutorship					4
Examinations					2
Other activities.....					-
3.7 Total hours of individual study	84				
3.9 Total hours per semester	140				
3.10 Number of credits	4				

4. Prerequisites (where appropriate)

4.1 curriculum	
4.2 competences	.

5. Conditions (where appropriate)

5.1. related to course	Videoretroprojector
5.2. related to seminar/laboratory/ project	videoprojector

6. Specific competences acquired	
Professional skills	C.4.Production of quality biological materials for propagating crop plants
Transversal skills	CT.1. Description of technologies for the production of biological material for the reproduction of crop plants CT.3.Explanation of the specific conditions for the production of biological material corresponding to different species and biological links

7. Objectives of discipline (coming from the specific competences acquired)

7.1 General objective	The discipline of vegetable cultivation aims at knowing the cultivated vegetable species; elaboration of high-performance technologies for vegetable crops; studying all the factors for the success of high-performance productions; the use of state-of-the-art materials in vegetable growing
7.2 Specific objectives	Acquiring theoretical knowledge and practical skills regarding the development of different technological links specific to each vegetable crop -Management of resources within a farm -Location of vegetable crops in the field according to the pedoclimatic conditions and the requirements of each species

8. Content*

8.1 Course	Methods of teaching	No. of hours/Remarks
Chap 1. Vegetable production worldwide and worldwide. 1.1. The significance and place of vegetable growing in agricultural production. 1.2. Current and future situation in vegetable production	Videoretroprojector	2

<p>Chap. 2. The relationships of vegetable plants with environmental factors and their management through the organization of technology</p> <p>3.1 Solar radiation</p> <p>3.2. Temperature.</p> <p>3.3. Water and crop irrigation</p>	Idem	2
<p>3.4.. Air as a factor of vegetation.</p> <p>3.5. Mineral nutrition, soil and crop fertilization</p>	Idem	2
<p>Cap. 3. Basics of technology for growing vegetables in the field and protected areas.</p> <p>3.1. Vegetable plant cultivation system</p> <p>3.2. Soil preparation works.</p> <p>3.3. Ensuring high quality seeds and sowing crops in the field</p>	Idem	2
<p>3.4. Production and planting of vegetable seedlings</p> <p>3.5. Vegetable maintenance work.</p>	Idem	2
<p>Cap.4. Root vegetables</p> <p>4.1.Carrot culture</p> <p>4.2.Parberry parsley</p> <p>4.3.Carolina celery</p> <p>4.4.Partridge culture</p> <p>4.5.Radich culture</p>	Idem	2
<p>Cap.5.Cabbage vegetables</p> <p>5.1.White cabbage</p> <p>5.2.Red cabbage</p> <p>5.3.Created cabbage</p> <p>5.4.Brussels cabbage</p> <p>5.5.Cauliflower</p>	Idem	2
<p>Cap.6. Solanaceous vegetables</p> <p>6.1.Tomatoes</p>	Idem	2
<p>6.2.The pepper</p> <p>6.3.Eggplant</p>		2
<p>Cap.7. Cucurbitaceous vegetables</p> <p>7.1. Cucumbers</p> <p>7.2.Yellow melon</p> <p>7.3.Green watermelon</p> <p>7.4.Pumpkin</p>	Idem	2
<p>Cap.8 Grain legumes and pods</p> <p>8.1.Garden peas</p> <p>8.2.Garden beans</p>	Idem	2

Cap.9. Green vegetables 9.1.Salad 9.2.Spanacul	Idem	2
Cap.10. Bulbous vegetables 10.1Onions 10.2.Garlic 10.3.The leek	Idem	2
Chap. 11 Seasoning vegetables 11.1Dill 11.2.The thyme 11.3.Basil 11.4Levisticum	Idem	2
Bibliography		
<ol style="list-style-type: none"> 1. Apahideanu al. S., Maria Apahideanu – 2001 legumicultură specială. Editura Academic Pres, Cluj-Napoca 2. Dumitrescu M. și colab., 1998 – Producerea legumelor. Editura Ceres, București. 3. Cărbunar M., Domuța C. 2009-Elemente de tehnologie a tomatelor în solarii, Ed. Univ. Oradea 4. Cărbunar M.-2010 Legumicultură generală și specială- Oradea 5. Ciofu Ruxandra și colab.-2004, Tratat de legumicultură, Ed. Ceres, București 6. Horgoș A., 1999 – Legumicultură specială. Editura Mirton, Timișoara. 7. Indrea D. și colab ,2007. – Cultura legumelor, Ed. Ceres București 8. Maier I., 1969 – Culutra legumelor. Editura Agro-silvică, București. 9. Popescu V. – 1996 – Legumicultură. Vol.I. Editura Ceres, București. 10. Popescu V., Horgoș A. – 2003 – Tratat de legumicultură. Editura Ceres, București. 11. Săulescu N. A., Săulescu N.N., - 1967 – Câmpul de experiențe. Editura Agro-Silvică, București. 12. Stan T. N., Stan N. T. – 1999 – Legumicultură, Vol.I., Editura Ion Ionescu de la Brad, Iași. 		

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Date of completion

01.10.2017

Signature of course holder**

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Signature of seminar
laboratory/project holder **

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Date of approval in the department

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Signature of the Head of Department

Phd. Dr. Ing. Bandici Gheorghe

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Dean signature

Phd. Dr. Ing. Chereji Ioan

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** - Name, first name, academic degree and contact details (e-mail, web page, etc.) will be specified.

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