



Department of Horticulture

College of Agricultural Engineering Sciences

Salahaddin University

Subject: Organic Farming

Course Book – (Year 3)

Lecturer's name : Dr. Jehad Shareef Kader

Academic Year: 2021/2022

Course Book

1. Course name	Organic Agriculture
2. Lecturer in charge	Dr. Jihad Shareef Kader
3. Department/ College	Horticulture/Agriculture
4. Contact	e-mail: jehad.kader@su.edu.krd Tel: (optional) 07504051070
5. Time (in hours) per week	Theory: 2
6. Office hours	8
7. Course code	
8. Teacher's academic profile	I got BSc. Degree from Horticulture and Landscape Design Department /College of Agriculture and Forestry/University of Mosul at 1993-1994. I got MSc. Degree from Horticulture Department / College of Agriculture / University of Sulaimani at 2008. I got Ph.D. Degree from Horticulture and Landscape Design Department /College of Agriculture and Forestry/University of Mosul at 2016. I'm lecturer in horticulture department /college of agriculture / university of Salahaddin.
9. Keywords	Fruit – bud – flower – tree – pruning – fertilizer – thinning
10. Course overview:	
<p>The essential goals of Organic Agriculture. To learn the student Organic Agriculture and importance to obtain clean crops through the usage of the natural materials in Agric. chemicals and pesticides in addition to the following points:</p> <ul style="list-style-type: none"> -Production of high quality and quantity. - Positive reaction with all of the natural systems. - Soil conservation and increasing of fertility. - Encorasing and activating of bioactivity in agric. Including microorganism, plant and animal. - Vitalizations of new natural resources in agric. - Encorasing Agriculture Production in a closed system in deal with organic waste and nutrien - Furnishing the proper condition for Animal resources for practicing its natural activity. - Avoiding pollination from fertilizers, chemicals and pesticides. 	

<p>11. Course objective:</p> <ul style="list-style-type: none"> - Vitalizations of new natural resources in agric. - Encorasing Agriculture Production in a closed system in deal with organic waste and nutritie - Furmishing the proper condition for Animal resources for practicing its natural activity. - Avoiding pollination from fertilizers, chemicals and pesticides. 	
<p>12. Student's obligation</p> <p>In this section the lecturer shall write the role of students and their obligations throughout the academic year, for example the attendance and completion of all tests, exams, assignments, reports , essays...etc</p>	
<p>13. Forms of teaching</p> <p>Data show + power point + white board.</p>	
<p>14. Assessment scheme</p> <p>1- 1st month exam 2 - 2nd month exam 3 - absence = 3 degree</p>	
<p>15. Student learning outcome:</p> <p>There are many explanations and definitions for organic agriculture but all converge to state that it is a system that relies on ecosystem management rather than external agricultural inputs. It is a system that begins to consider potential environmental and social impacts by eliminating the use of synthetic inputs, such as synthetic fertilizers and pesticides, veterinary drugs, genetically modified seeds and breeds, preservatives, additives and irradiation. These are replaced with site-specific management practices that maintain and increase long-term soil fertility and prevent pest and diseases.</p>	
<p>16. Course Reading List and References:</p> <p>Organic Agriculture. From environmental and economical view (Arabic). Azzabaidi; Hamza Kadim 1992. Bio resistant of pests. Higher research. Mosul University – Ira Specific internet sites</p>	
<p>17. The Topics:</p> <p>Organic Agriculture Concept Organic Agriculture System Laws and Regulations of Organic Agriculture. Local Study of Environmental Agriculture System and Organic Farm. Organic Agriculture and Sustainable development. Conversion to Organic agriculture. Complete Control of Pests and Disease. Biological Control Culture Control, Plant extraction</p>	<p>Lecturer's name</p> <p>Dr. Jihad Sh. Kader 2 hrs for each lecture In the week.</p>

<p>Weed and its Control. Mulching and green Fertilizer Crop rotation definition, Crop rotation benefits. Crop Rotation Design. Irrigation and the type of irrigation. Study the type of fruits and its quantity. Study the economic important of fruits.</p>	
<p>18. Practical Topics (If there is any)</p>	
<p>In this section The lecturer shall write titles of all practical topics he/she is going to give during the term. This also includes a brief description of the objectives of each topic, date and time of the lecture</p>	<p>M.arshad Yassin 3 hrs for each group at the week.</p>
<p>19. Examinations:</p> <p>Q1) A- what are the aims of organic farming? B- Why transitioning from Conventional to Organic Farming Practices?</p> <p>Q2) A- Write the requirement of organic standards? B- Discusses the following: 1 – Raizobactrium 2- Alnmalas</p> <p>Q3) A- Some of the techniques necessary to know the application of any program of integrated control? Explain this? B- Enumerate the methods use of integrated control?</p> <p>Q4) Define the following? 1 - Organic agriculture. 2- The level of economic damage. 3 - Predators. 4 - Parasites. 5- Pathogens. 6 - Crop rotations. 7 - Microbian. 8 - Phospharin. 9 - The natural enemy.</p> <p>Q5) A- Enumerate the methods use of integrated control? B - What are green manures? Discuss this?</p> <p>Q6) Explain: - 1 -The general principles of organic production. 2 –Define Crop Rotation. Enumerate Benefits of crop rotations</p> <p>Q7) answer only two of the following:- A- What are the measures that focus by organic farming? B- What are the differences between - Organic and Non-organic Farming. C- Why transition from traditional agriculture to organic farming? What is the transition period?</p>	
<p>20. Extra notes:</p> <p>Here the lecturer shall write any note or comment that is not covered in this template and he/she wishes to enrich the course book with his/her valuable remarks.</p>	
<p>21. Peer review</p> <p>This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section. <i>(A peer is person who has enough knowledge about the subject you are teaching, he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject).</i> .</p>	