



Department of General science

College of Basic Education

University of Salahaddin

Subject: Plant physiology

Course Book (Third stage)

Lecturer's name Dr. Shahla Mahmood Mohamaad

Academic Year: 2021/2022

Course Book

1-Course name	Plant physiology
2. Lecturer in charge	Lecturer Dr. Shahla Mahmood
3. Department/ College	General science Department / Collage of Basic Education
4. Contact	e-mail: Shahladr@yahoo.com Shahla. muhamaad@su.edu.krd Tel: (optional) 07504020846
5. Time (in hours) per week	Theory: (4)hours Practical: (9)hours
6. Office hours	
7. Course code	
8. Teacher's academic profile	<i>started my academic life in1978 BSc in university of sulamania/College of Agriculture/Department of Agronomy .In 1985 I complted MSc in university of salahaddine in Erbil in plant genetic I was a lecturer of statistic and Genetic .After that in 2005 I completed PhD in Plant breeding till now lam lecturer in Basic education college lecturer of genetic science for second stage and genetic for fourth stage .: I have 10 published researches.</i>
9. Keywords	Botany,,Photosynthesis,Respiration, Transpiration..
10. Course overview: plant physiologiyis the study of plant ,,definition of it ,the relation between this science and another science ,studing the theory of this science ,the important of this science for our life ,how the plant makes its food by its self,how we can use it ,how can the plant respire,making the food by the plants ,the relation between the plant and water plant growth and developmet,photosynthesis,respiration ,transpiration, plant hormones	
11. Course objective:The objective of this subject is to learning the students what is the meaning of botany how we gate our food from the plants,why we can not form the food like the plants ,the differences between us and the plants.	
12. Student's obligation . The role of the students is hom works and examinations.	

13. Forms of teaching : 1- Data show ,explaining on data show in English and Kurdish language
3-White board

14. Assessment scheme

The whole course having a rank of%40 for one examinations which has%40 ,because of this subject is one course and the second course is Animal physiology another teacher ,the same marks and the final examination have %60 the total is 100.

15. Student learning out:By the end of the course students will be able to:

1-Defination of plant physiology plant cell components Cell wall ,Cell membrane ,Cytoplasim ,nucleus , Ribosome ,Mitochondria ,Chloroplast ,Micro bodies

2-Theory of this science.

3-The important of this science in our life

4-Growth and development in plants

5-Food preparation by photosynthesis in plants. ,Respiration ,Transpiration

6-plant hormones Five Types of plant hormones

7-Crip Cycle

8-Calvin cycle

9-Water relation ship with plant

10- Solutions types of solutions

16. Course Reading List and References:¹

1-Plant physiology by Delvin(1982)

2-Plant physiology by SALISARY andROSS(1987)

3-Introduction to plant (2004) by Willam G. Hoptines and NomanP.A.Honer.

4-BIOLOGY OF PLANT (1999) Poter.HReve Ray.

5- Other special refrences.

17.. Practical Topics

..

..

: 18-The Topics

Plant hormones and growth regulators:

<p>20. Extra notes :I suggest that this subject is to be studied as yearly instead of onr course system.</p> <p>21. Peer review</p>	
