



Department of general Science

College of basic education

University of Salahaddin -Hawler

Subject: Genetics

Course Book – *Fourth* year

Lecturer's name: Dr.Shahla Mahmud Muhamad

Academic Year: 2021-2022

Course Book

1. Course name	Genetics																														
2. Lecturer in charge	Dr.Shahla Mahmud Muhamad																														
3. Department/ College	Basic science department																														
4. Contact	e-mail: shahla.muhamaad@su.edu.krd Tel: (optional)																														
5. Time (in hours) per week	For example Theory: 2 Practical: 0																														
6. Office hours	Availability of the lecturer to the student during the week																														
7. Course code																															
8. Teacher's academic profile	Phd in genetic science , teacher in the University for 40 years																														
9. Keywords																															
10. Course overview:	Importance of this science in our life and its Applications																														
11. Course objective:	Defination of genetics , history of genetics , mendelian genetics , monohybrid crosses , dihybrid crosses , mitosis and meiosis , recombinant of DNA technology , mutation and type of mutations																														
12. Student's obligation	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 لیره ماموستا بهر پرسیاری قوتایی خویندکار روونده کاتموه سهبارت به کورسه که بو نمونه ناماده بونی قوتاییان له وانه کاندای، له تاقیکردنه وه کاندای، راپورت و ووتار نووسین... هتد.																														
13. Forms of teaching	Data show , power point with explanations on the whiteboard																														
14. Assessment scheme	Grade Weighting نمره ی هه لسه نگاندن <table border="1" data-bbox="235 1533 1242 1816"> <thead> <tr> <th rowspan="2">Semester</th> <th rowspan="2">Practical degree %</th> <th colspan="3">Theory</th> </tr> <tr> <th>Seasonal Exam.</th> <th>Quizzes</th> <th>Dailey Activities</th> </tr> </thead> <tbody> <tr> <td>1st semester</td> <td></td> <td>15</td> <td>2</td> <td>3</td> </tr> <tr> <td>2nd semester</td> <td></td> <td>15</td> <td>2</td> <td>3</td> </tr> <tr> <td>Final Exam.</td> <td></td> <td>60</td> <td></td> <td></td> </tr> <tr> <td>Total 100%</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Semester	Practical degree %	Theory			Seasonal Exam.	Quizzes	Dailey Activities	1 st semester		15	2	3	2 nd semester		15	2	3	Final Exam.		60			Total 100%				
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15. Student learning outcome:	
56 hours Theory without practical	
16. Course Reading List and References:	
<ol style="list-style-type: none"> 1. <i>Genetics: Analysis and Principles</i>, by Robert Booker 2. <i>Principles of Genetics</i> by Gardner 3. <i>Genetics: A Molecular Approach</i> by T. A. Brown 4. <i>Concept of Genetics</i> by Klug 5. <i>Genetics: A conceptual Approach</i> by Pierce 6. <i>An introduction to Genetic Analysis</i> by Griffiths 	
17. The Topics:	Lecturer's name
<ul style="list-style-type: none"> - Introduction to Genetics - Mendelian Genetics - Monohybrid Crosses - Dihybrid and Trihybrid Crosses - Mendel modified: Incomplete Dominance ,Lethal Alleles and multiple Allel. - Extensions of Mendelian Genetics - Pedegrees and Probabilities - Mitosis and Miosis - Gene Mutation and DNA Repair - Recombinant DNA Technologie - Basic Priciples of Heredity - Sex Determination and Sex-linked characteristics - Chromosome Mutations - Point Mutation number structural Mutation 	Dr.Shahla Mahmud Muhamad
18. Practical Topics (If there is any)	
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	Lecturer's name ex: (3-4 hrs) ex: 14/10/2015
19. Examinations:	
Multiple choices , filling of blankets , drawing , cycles , correction of texts	
20. Extra notes:	
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.	

21. Peer review

پیداچونہوہی ھاوہل

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.

(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).

ئەم كۆرسبووكە دەبىتت لەلایەن ھاوھلێكى ئەكادىمىيەو سەير بكرىت و ناوھروكى بابەتھكانى كۆرسەكە پەسەند بكات و جەند وشەيەك بنوسىتت لەسەر شياوى ناوھروكى كۆرسەكە و واژووى لەسەر بكات. ھاوھل ئەو كەسەيە كە زانبارى ھەبىتت لەسەر كۆرسەكە و دەبىتت پلەى زانستى لە ماموستا كەمتر نەبىتت.