

وراثة خلوية متقدم 556 حين  
Syllabus, Spring 2022

Course Designation	Zoo-556	حين 556	رقم المقرر ورمزه
Course Name	Advance Cytogenetics	وراثة خلوية	اسم المقرر
No. of Credits	2 (1 + 1)	2 (1 + 1)	عدد الوحدات الدراسية المعتمدة
Prerequisites	None	لا يوجد	متطلب سابق
Co-requisite Course	None	لا يوجد	متطلب مصاحب

Dr. Nouf Alyami

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**e-mail:** nalyami@ksu.edu.sa

**Office hours:** By appointment and online, I am available in my office on Sunday from 8 -8:50 am and Wednesday from 12:00 till 2:50 pm. Also, on Thursday from 9 till 9:50 and 12 till 12:50 pm.

#### Lecture time and location

Wednesday 8:00 till 8:50 am and in-person lectures will be given at **xxxxxxx**. **If you are more than 10min late without prior notice, please do not come into class.** However, if you are scheduled to give a presentation, please be there and ready before lecture time, as tardiness will not be excused.

#### Class materials

The majority of the material from this course will be from PowerPoints (Campbell's Biology textbook) and published scientific literature. Papers are accessible free of charge and electronically through the KSU Library. Links to these sources and the PDF files can also be downloaded from Blackboard.

<https://access.library.ksu.edu.sa/>

#### Blackboard:

The syllabus for the course, lecture notes, assignment instructions, primary literature assignments, and grading keys/rubrics will be available via the KSU Blackboard site at:

<https://lms.ksu.edu.sa/webapps/login/?action=relogin>

The grading for this course will be as follows:

30 points practical

5 points attendance/ participation (MCQ)

10 points written assignments (two)

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15 points Midterm

40 points Final examination

5% Extra Points-Extra credit will be available under extenuating circumstances.

Absence from class will count against your class participation grade unless the instructor excused the absence and did not exceed 25%.

### Academic misconduct:

Academic misconduct of any kind will not be tolerated in any course taught by Dr. Alyami. Any incidence of academic misconduct will be reported to the Department head and will be reflected in your grade. Similarity test must be no more than 15% based on the Blackboard similarity tests that all students and faculty have access to.

Plagiarism is a special kind of academic dishonesty in which one person steals another person's ideas or words and falsely presents them as the plagiarist's own product, that can occur in the following ways:

- Using the exact language of someone else without the use of quotation marks and without giving proper credit to the author
- Presenting the sequence of ideas or arranging the material of someone else even though such is expressed in one's own words, without giving appropriate acknowledgment. For example, submitting a document written by someone else but representing it as one's own".

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Syllabus:

Week#	Date	Material to be covered	Assignments
1	1/19/2022	INTRODUCTION	
2	1/26/2022	The chromosomal basis of sex varies with the organism	Written assignments GIVEN and MCQ 1 point
3	2/2/2022	LONG WEEKEND	
4	2/9/2022	Sex-linked genes have unique patterns of inheritance	MCQ 1 point
5	2/16/2022	Alterations of chromosome number or structure cause some genetic disorders	MCQ 1 point
6	2/23/2022	LONG WEEKEND	
7	3/2/2022	The phenotypic effects of some mammalian genes depend on whether they are inherited from the mother or the father (imprinting)	MCQ 1 point- Written assignments DUE
8	3/9/2022	Extranuclear genes exhibit a non-Mendelian pattern of inheritance	MCQ 1 point
9	3/16/2022	SPRING BRACK	
10	3/23/2022	The Genetics of Viruses slid 1 to 13	Written assignments GIVEN
11	3/30/2022	MIDTERM (15 points)	
12	4/6/2022	The Genetics of Viruses slid 13 to 29	
13	4/13/2022	Eukaryotic Chromatin Structure	
14	4/20/2022	The Structure, Function, and Reproduction of Prokaryotes	Written assignments DUE
		Date and time for the finals on edugate	

Also, make sure you submit your assignment after you save them in the following format:

ZOO556\_student name\_WA#