COURSE OUTLINE
(BCH550, 3+0)
(Second Semester 1441/1442 - 2019/2020)

1. Course layout:

1. The course is divided into three modules: 4 weeks per module. Lectures will be as stated by Graduate Deanship **(which will be on Monday and Wednesday at 08:30 am - 09:50 am each week).**
2. One review article and one research papers will be assigned for each module.
3. For detailed mark distribution and assessment dates, see next page.
4. Relevant literatures will be assigned for each group to be presented on **Monday 20/08/1441-13/04/2020.** The general theme of the presentations will focus on the role of epigenetic regulation of gene expression. The three modules which will be covered are:

a) CpG island methylation- Alanazi
b) Noncoding RNA- Aldaihan
c) Histone modification- Elrobh

5. Course materials will be delivered through different ways (either uploaded on the Department website, via email or lms.ksu.edu).
6. Text book: Molecular Biology- Principles and Practice. Here is the link
https://www.macmillanlearning.com/college/us/product/Molecular-Biology/p/1464126143?selected_tab=Contents

BCH550 course modules, and assessment marks (2nd Semester 1441-2020)

Module	Start	End	Topics	Instructor	Exam date	Assessment Method/ Marks		
						Quiz/ Assignment/ Discussion- 5 Marks each module	Exam	Presentation
	Weeks 1 25/05 to 27/05		- Review - Studying gene		--	✓	--	Mon. 20/08/1441-13/04/2020 9.00 am- 12.00 pm 3 groups- Each group 5 students
I	**Weeks 2- 5**		- Nucleic Acids Structure	Elrobh	**Exam on week 6- Mon** (30/06-24/02/2020)	**week 4- Wed** 18/06-12/02/2020	(20)	
	Mon. 02/06- 27/01	Wed. 25/06-19/02						
II	**Weeks 6- 10**		- DNA Replication - DNA mutation and Repair	Alanazi	**Exam on week 11-Wed.** (06/08-30/03/2020)	**week 9- Mon** 21/07-16/03/2020	(20)	
	Wed. 02/07- 26/02	Wed. 01/08-25/03						
III	**Weeks 11- 14**		- Regulating the flow of information	Aldaihan	**Exam on week 15- Mon.** (04/09-27/04/2020)	**week 14- Wed** 29/08-22/04/2020	(20)	
	Wed. 08/08-01/04	Wed. 29/08-22/04						
						20	**60**	**20**
Total						**100**		