

وكالة الجامعة للشؤون التعليمية إدارة البرامج الدراسية والتطوير

نموذج (5) مختصر توصیف مقرر کیمیاء حیویة 2 کیمیاء حیویة 2 CHM-362 (Course Syllabus)



(Course Information) *

معلومات المقرر

معلومات المقرر * (Course Information):

اسم المقرر:	كيمياء حيوية 2	كيمياء حيوية 2		
رقم المقرر:	CHM-362	CHM-362		
اسم ورقم المتطلب السابق:	162-CHM كيمياء حيوية 1	CHM-361 كيمياء حيوية1		
اسم ورقم المتطلب المرافق:	لايوجد	لايوجد		
مستوى المقرر:	المستوى السادس	المستوى السادس		
الساعات المعتمدة:	3	3		
Biochemistry-2	Biochemistry			
CHM-362	CHM-3			
CHM- 361	CHM- 3			
N		Co-requisite :		
6 th level		Course Level:		
3		Credit Hours:		

وصف المقرر:

Chemistry of Biochemistry2 course is (3) credit hours, course offered in the Sixth level of the chemistry curriculum. The overall objective of CHEM362 is to provide a general knowledge To Enzymes, Vitamins as they linked to Metabolism regarding what happened from changes as well as reactions. Identify some Biological fluids (Blood, Urine and Milk). Ingredients and Biological Importance. Study the Nucleic acids, Nucleotides.

أهداف المقرر:

1	Studying the Enzymes structure, importance, properties and factors that affect their activities.
2	Describe nucleic acids and to know their importance and functions for living organisms.
3	Studying vitamins dissolved in fats, vitamins dissolved in water, and how to differentiate between them.
4	Recognize various Hormones and their importance and functions of the organism.
5	Identify some Biological fluids (Blood, Urine, and Milk): Ingredients and Biological importance.

Learning Outcomes:

مخرجات التعليم:

Upon successful completion of this course, a student will be able to:

1.1 Identify hormone and enzyme ingredients' and how can to differentiate between t

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1.2	Recognize the importance of nuclic acids, vitamins, minerals and Biological fluids.
2.1	Compare the difference between dissolved vitamins in water and that dissolved in fat.
2.3	Explains the mechanism of action of the enzyme and hormone.
3.1	Show the ability to work in a teamwork environment and lead the team while performing the tasks entrusted to him professionally.
4.2	Demonstrate the ability to use modern technology and its applications that are used in various fields of biochemistry.
5.1	Demonstrate testing standards to achieve success in Practical Experiments.

Course Contents:

محتوى المقرر:

عدد	ساعات
الأسابيع	التدريس
(Weeks)	(Hours)
2	4
1	2
1	2
1	2
1	2
2	4
1	2
2	4
4	8
2	4
2	4
1	2
1	2
1	2
1	2
1	2
	الأسابيع (Weeks) 2 1 1 2 4 2 4 2 2 1 1



2	1	Blood Separation, Study some Serum and Plasma Components. And Calcium Estimation.
2	1	Lactose Quantitative Estimation.
4	2	Chemistry of Urine.

Textbook and References:

الكتاب المقرر والمراجع المسائدة:

	الكتاب المقرر Textbook ti	اسم المؤلف (رئيسي) Author's Name	اسم الناشر Publisher	سنة النشر Publishing Year	ISBN
	Vitamins a Hormones Volume	Gerald Litwack	Academic Press	2011	ISBN-10: 0123997097 ISBN-13: 978-0123997098
	المرجع Reference	اسم المؤلف (رئيسي) Author's Name	اسم الناشر Publisher	سنة النشر Publishing Year	
nth	Textbook of Medi Biochemistry, Eigh Editi	Rana Shinde	Jaypee Brothers Medical Publishers(P)LTD	2011	ISBN-13: 978-9350254844 ISBN-10: 9350254840

