هيئة تقويم التعليم
Education Evaluation Commission
المركز الوطني للتقويم والاعتماد الأكاديمي
National Center for Academic Accreditation and Evaluation

ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

Course title: *Biochemistry-*
Course Code: *167 SDS*
Level: 4
1439-2018

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Course Specifications

Institution *Najran University*	Date 26-9-1438 H
College/Department *College of Medicine/Department of Biochemistry*	

A. Course Identification and General Information:عنه

1. Course title and code *Biochemistry-167 SDS 3*
2. Credit hours :*3(2+1)*
3. Program(s) in which the course is offered. **Bachelor Of Dental Surgery (BDS)**

   (If general elective available in many programs indicate this rather than list programs)
4. Name of faculty member responsible for the course: Prof.Dr. Mohammed Helmy Faris Shalayel
5. Level/year at which this course is offered : *Level 4 // 2nd Year*
6. Pre-requisites for this course (if any) None:
7. Co-requisites for this course (if any): None
8. Location if not on main campus : *Main campus in Najran*
9. Mode of Instruction (mark all that apply)

a. Traditional classroom	Yes	What percentage?	60
b. Blended (traditional and online)		What percentage ?	
c. e-learning		What percentage?	
d. Correspondence		What percentage?	
f. Other	Yes	What percentage?	40

Comments:

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Objectives

1. What is the main purpose for this course?

On successfully completing the course, student must be able to:

- **Understand the concept of operative dentistry and its terminology**
- **Describe and identify dental hand and rotary instruments and its uses.**
- **Identify carious lesions, its etiology, classification and diagnosis.**

Course Description

1. Topics to be Covered:

List of Topics	No. of Weeks	Contact Hours
1. Introduction to Biochemistry and Medicine	1	1
2. Water and PH		1
3. Carbohydrates of physiological significance.	3	6
4. Lipids of physiological significance.	2	4
5. Amino acids and peptides.	2	4
6. Chemistry of nucleotides	2	4
7. Enzymes, Mechanism of action, Kinetics. ,regulation activity and inhibitors	1	2
8. Vitamins	2	4
9. Metabolism overview	2	4
Total	**15**	**30**

2. Course components (total contact hours and credits per semester):

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	2 x15		2x15			60
	Actual	2 x15		2x15			60
Credit	Planed	2		1			3
	Actual	2		1			3

Name of Course Instructor : Mohammed Helmy Faris Shalayel

Signature: mhshalayel Date Specification Completed :

Program Coordinator: Dr: Saeed Ali Alsareii

Signature: _____ Date Received4-6-1439