TISHK INTERNATIONAL UNIVERSITY FACULTY OF APPLIED SCIENCE Department of MEDICAL ANALYSIS, -2022 Spring Course Information for MA 106 ORGANIC CHEMISTRY									
	Co	urse Name:	ORGAN	NIC CHEMISTR	Y				
Co	de	Reg	ular Sei	nester	Theoretical	Practical	Credits	ECTS	
MA	106		2		2	2	3	5	
N	ame of I Acad	Lecturer(s)- demic Title:	Faiq Hu	ussain - Ph.D. C	hemistry				
T	Teaching	g Assistant:	Dr. Son	na Majedi and K	ovan Dilawer Issa				
	Course	Language:	English						
	Co	ourse Type:	Main						
	0	ffice Hours	4 Hours	3					
	Cor	ntact Email:	faiqhussain53@yahoo.com ,faiq.hussain@tiu.edu.iq						
			Tel:07504472943						
Teacher's academic profile:		s academic profile:	Prof.Dr.						
Course Objectives:		Objectives:	Knowledge about the organic chemistry to realize its importance in cells and preparing the students for the next years to know about the Carbon in the life cycle in all parts of the human body.						
Course Description Organic chemistry is another primary branch of the science of Chemistry. Organic Chemistry (Course overview): investigates and seeks to understand the structure, properties and reactions of organic compounds, which contain carbon in covalent bonding. Organic compounds constituted essential component of the functioning of biological systems and comprise a significar fraction of substances found in biological systems. In order for students to have a between insight into biological systems, particularly those involved in medicine and analysis, it is necessary to study this subject and this course aims to do that.					ic Chemistry organic istitute an nificant a better sis, it is				
Week	Hour	Date		Tonic					
1	2	27-31/3/2	2022	Introduction					
2	2	3-7/4/20	122	Atoms and Mo	blecules (Structure and	History)			
-	-	0 17 11 20				(notory)			
3	2	10-14/4/2	2022	Chemical Bon	ds (Ionic and Covalent)			
4	2	17-21/4/2	2022	Hvdrogen Bor	iding and Polarity	,			
-	-	, ., =		,	J				
5	2	24-28/4/2	2022	Hydrocarbons	(Definition, properties,	, importance in life)			
6	2	8-12/5/2	022	Alkanes (Intro	duction, Properties, Us	es, Nomenclature)			
7	2	15-19/5/2	2022	Midterm Exam	ı				
8	2	22-26/5/2	2022	Alkenes (Intro	duction, Properties, Us	ses, Nomenclature)			
0	2		2000	Allering a contra	duction Droportion 110				
9 40	∠ 2	29/5-2/6/2022		Aikynes (Introduction, Properties, Uses, Nomenciature)					
10	2	5-9/6/2022		Aromatic Com	ipourius (initioduction, l	ropenies, Uses, N	omenciature)		
11	2	12-16/6/2022		Alkyl Halides (Introduction, Properties, Uses, Nomenclature)					
12	2	19-23/6/2022		Final Exam					
13	2	26-30/6/2	2022	Final Exam					
	-	20 00/0/2				TCOMES			
1 2	Prepari Identify	ing students /, classify, orę	ior the E ganize, a	analyze, and dra	pjects in the further edu aw structures of organic	ucation years c molecules			

3 Draw organic structures consistent with the results of specific chemical tests

	Instrumental analys			<u> </u>		
	(E	COURSE'S CONTRIBUTION TO Blank : no contribution. I: Introductior	PROGRAM OUTCOME	S ced)		
	Program Learning	Outcomes	·, · · · · · · · · · · · · · · · · · ·	,	Cont.	
1	Evaluate clinical lab	poratory data by interpreting laborate	ory results and relating the	e data to vario	us A	
2	apply principles of e	evidence-based medicine to determi	ne clinical diagnoses		1	
-	apply principles of a	ciples of gross and microscopic ana	tomy, physiology, biochei	nistrv. immuno	loav.	
3	microbiology/virolog	microbiology/virology.				
4	formulate and imple	ement acceptable treatment modaliti	es to various disease sta	ies.	I	
5	use technology effe	ctively in the delivery of instruction,	assessment, and profess	ional developr	nent. P	
6	exhibit essential err results, and display	exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct.				
7	exhibit organization	al skills, accountability, and ethical b	oehavior.		А	
8	apply skills needed equipment, and adh	apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment.				
9	apply problem-solvi	ng and decision-making skills.			Р	
10	apply and promote	health policies and regulatory stand	ards in the field career.			
11	develop research in	the field of medical analysis using o	qualitative and quantitativ	e methods.		
Pro	erequisites (Course Reading List and References):	Textbook: Organic Chemistry, 7th e Cole, ISBN: 978-1-4080-2054-8	dition 2008, Authors: Joh	n McMurry Pu	olisher: Brooks	
S (Spe	Student's obligation cial Requirements):	A student has an obligation to exhib profession in carrying out his or her	bit honesty and to respect academic assignments.	the ethical sta	indards of the	
Cou	rse Book/Textbook:	1. Practical Organic Chemistry by N Experiments in Organic Chemistry	Aann 2. Practical Organic	Chemistry by	Vogel 3.	
Ма	Other Course aterials/References:	Any other books or journals about o	organic chemistry			
leachi	ng Methods (Forms of Teaching):	Lectures, Practical sessions, Exerc	ises, Presentation, Assig	nments, , ,		
	•	COURSE EVALUATI	ON CRITERIA			
Metho	d		Quantity	Pe	rcentage (%)	
Particip	pation		1		10	
Homev	vork		1		10	
Midterr	m Exam		1		20	
_abora	itory		1		10	
	al Exam		1		10	
-inal E	xam	Total	1		40 100	
Exami	nations: True-False,	Fill in the Blanks, Multiple Choices,	Short		100	
Answe	rs, Matching, , ,					
xtra N	IOTES:					
				<u>ח</u>		
				- Workload		
Activit	ies		Quantity	Hours for 1 quantity*	Total Workload	
Theore	etical Hours		13	2	26	
Practic	al Hours		13	2	13	
Final F	xam		1	1	1	
			4		0	
Particip	oation		1		0	

Midterm Exam	1	0
Laboratory	1	0
Practical Exam	1	0
Total Workload		40
ECTS Credit (Total workload/25)	1.6	

Peer review

Signature:	Signature:	Signature:
Name:	Name:	Name:
Lecturer	Head of Department	Dean