

استمارة انجاز الخطة التدريسية للمادة

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الفيروسات (الفصل الثاني للعام الدراسي 2014-2015)					اسم المادة
أ.م.د. حيدر صباح كاظم ، أ.م.د. أحمد صاحب ، م.د. أسماء باقر					مقرر الفصل
تعريف الطلبة الى اهم الفيروسات التي تصيب الانسان وطرق الانتقال والتشخيص والعلاج والوقاية.					اهداف المادة
الفصل الدراسي يتكون من 30 محاضرة نظرية خلال 2 ساعة في الاسبوع و15 محاضرة عملي. أمتحان منتصف الفصل نظري وامتحان عملي ونظري نهائي.					التفاصيل الاساسية للمادة
Jawitz, Melnick & Adelberg Medical Microbiology, 25 th edition 2001					الكتب المنهجية
Virology: Principles and Applications, John B. Carter and Venetia A. Saunders, John Wiley & Sons Ltd, 2007.					المصادر الخارجية
الامتحان النهائي	المشروع	الامتحانات اليومية	المختبر	الفصل الدراسي	تقديرات الفصل
%40	%10	%10	%20	%20	
					معلومات اضافية

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الفصل الثاني 2014-2015

الملاحظات	المادة العملية	المادة النظرية	التاريخ	الأسبوع
	Introduction to Practical Virology and methods of diagnosis of viral infections	General prosperities & classification of viruses	2015/2/15	1
	Types of tissue cultures and preparation of tissue culture	Viral replication and genetics	2015/2/22	2
	Clinical specimen collection, handling and Biosafety technique.	Cultivation of viruses, effect of virus on host cells, pathogenesis of viral disease (acute, chronic, latent, and slow viral infection).	2015/3/1	3
	Inoculation of clinical sample in living system (Tissue culture)	Prevention and treatment of viral infections: interferon, antiviral chemotherapy and viral vaccines.	2015/3/8	4
	Inoculation of clinical sample in living system (Embryonated egg and lab animals).	Medically Important DNA Viruses, enveloped and non-enveloped.	2015/3/15	5
	Virus Titration	RNA Enveloped Viruses Orthomyxoviruses	2015/3/22	6
	Direct detection of viruses by Electron Microscopy	Paramyxoviruses	2015/3/29	7
أمتحان منتصف الفصل			2015/4/5	8
	Direct detection of viruses by (IHC) & (ICC).	Hepatitis viruses	2015/4/12	9
	Direct detection of viruses by molecular method; ISH.	Rhabdovirus RNA non-enveloped viruses	2015/4/19	10
	Direct detection of viruses by molecular methods; PCR.	Reo, Corona virus, SARS	2015/4/26	11
	Direct detection of viruses by molecular methods; RT-PCR.	Retroviruses	2015/5/3	12
	Indirect detection of viruses by serological methods.	Retroviruses	2015/5/10	13
	Clinical Applications.	Oncogenic viruses	2015/5/17	14
	Clinical Applications.	Arbovirus (Ebola Virus)	2015/5/24	15
الأمتحان النهائي				

توقيع العميد:

توقيع الاستاذ: *Arwa Mujahid*

Completion of the teaching plan form

Course Instructor	Lecturer Dr. Arwa Mujahid Abdullah				
E-mail	arwa.mujahid@colmed-alnahrain.edu.iq				
Title	Virology (Second semester 2014-2015)				
Course Coordinators	Assistant Prof. Dr. Haider Sabah, Kadhim Dr. Assistant Prof. Ahmed Sahib, Lecturer Dr. Asmaa Baqer.				
Course Objective	<p>The efforts of this course is to provide complete information about viruses in respect to the pathogenesis, new techniques of diagnosis, and modern vaccine production as well as new generations of antiviral agents. In addition there is a special emphasis on the viral infections that commonly causing medical health problem in Iraq.</p> <p>The laboratory sessions reflect the description of the classical techniques in viral isolation, recognition and identification.</p>				
Course Description	The course consists of 30 theoretical lectures and 15 laboratory sessions, with a midterm examination and final exam for theory and practical sessions.				
Textbook	Jawitz, Melnick & Adelberg Medical Microbiology, 24 th edition 2007				
References	Virology: Principles and Applications, John B. Carter and Venetia A. Saunders, John Wiley & Sons Ltd, 2007.				
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(20%)	(10%)	(10%)	(40%)
General Notes					

Course Weekly Outline
Second Semester 2014-2015

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	15/2/2015	General prosperities and classification of viruses	Introduction to Practical Virology and methods of diagnosis of viral infections	
2	22/2/2015	Viral replication and genetics	Types of tissue cultures and preparation of tissue culture	
3	1/3/2015	Cultivation of viruses, effect of virus on host cells, pathogenesis of viral disease (acute, chronic, latent, and slow viral infection).	Clinical specimen collection, handling and Biosafety technique.	
4	8/3/2015	Prevention and treatment of viral infections: interferon, antiviral chemotherapy and viral vaccines.	Inoculation of clinical sample in living system (Tissue culture)	
5	15/3/2015	Medically Important DNA Viruses, enveloped and non-enveloped.	Inoculation of clinical sample in living system (Embryonated egg and lab animals).	
6	22/3/2015	RNA Enveloped Viruses Orthomyxoviruses	Virus Titration	
7	29/3/2015	Paramyxoviruses	Direct detection of viruses by Electron Microscopy	
8	5/4/2015	Mid-term examination		
9	12/4/2015	Hepatitis viruses	Direct detection of viruses by (IHC) & (ICC).	
10	19/4/2015	Rhabdovirus RNA non-enveloped viruses	Direct detection of viruses by molecular method; ISH.	
11	26/4/2015	Reo, Corona virus, SARS	Direct detection of viruses by molecular methods; PCR.	
12	3/5/2015	Retroviruses	Direct detection of viruses by molecular methods; RT-PCR.	
13	10/5/2015	Retroviruses	Indirect detection of viruses by serological methods.	
14	17/5/2015	Oncogenic viruses	Clinical Applications.	
15	24/5/2015	Arbo virus (EBOLA)	Clinical Applications.	

Instructor Signature: *Arwa Mujahid*

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