Clinical Virology Laboratory 2018 (Group B)

Department of Medical Laboratory Science and Biotechnology
College of Medicine, National Cheng Kung University

Course coordinator: 蔡慧頻 Rm #2653, ext. 2653

Teaching assistant: 賴羿雯，鄭洁晶，謝文升，劉昱安 Rm#5785, ext. 5785

Reference book: Clinical Virology Manual, S. Specter, R. L. Hodinka, S. A. Young ed. 4th edition. 2009 ASM press.

Place: 醫技系 3 樓 病毒實驗室 Rm # 5772

Time: Monday: 13:10-17:00; Tuesday: 13:10-17:00; Friday: 13:10-17:00

Lab report	Date	Topics	負責老師	助教
	02/27 (w2) 10:10-12:00	Laboratory safety	蔡慧頻	
	03/06 (w2) 10:10-12:00	Methods commonly used for lab diagnosis of viruses (I) **(Lecture)**	蔡慧頻	
	03/13 (w2) 10:10-12:00	Methods commonly used for lab diagnosis of viruses (II) **(Lecture)**	蔡慧頻	
	02/26 (w1)	**Lab exercise one:** Check in, preparation of culture apparatus	蔡慧頻	賴羿雯、謝文升
	02/27 (w2)	**Lab exercise two:** Preparation of culture medium and reagents	王雅芳	賴羿雯、謝文升、郭明渝
	03/05 (w1)	**Lab exercise three:** Cell culture (flask, tube): MDCK, A549, GMK, RD	蔡慧頻	鄭洁晶、劉昱安、葉治
1(exp.1-3)	03/06 (w2)	**Lab exercise four:** Virus inoculation Observation of CPE	蔡慧頻	鄭洁晶、劉昱安、葉治
	03/07 (w3)	**Lab exercise five:** Preparation of FA slide Titration of virus ($TCID_{50}$)	王雅芳	賴羿雯、謝文升、徐美婷
	03/12 (w1)	**Lab exercise six:** Neutralization test Check CPE/preparation of FA slide of test	王雅芳	賴羿雯、謝文升、鄭伊雯
	03/13 (w2)	**Lab exercise seven:** Hemagglutination Hemadsorption	蔡慧頻	鄭洁晶、劉昱安、葉治
2(exp.4) 3(exp.5-6)	03/14 (w3)	**Lab exercise eight:** IF staining Check out	蔡慧頻	鄭洁晶、劉昱安、賴韋珽
4(exp.7-8)	03/19 (w1)			
	04/23 (w1)	**Lab exam (microscopic and written exam)**		

Grade: 10% Quiz 30% Report
40% Final exam (written) 20% Microscopic exam

Clinical Virology Laboratory 2018 (Group A)

Department of Medical Laboratory Science and Biotechnology
College of Medicine, National Cheng Kung University

Course coordinator: 蔡慧頻 Rm #5786, ext. 5786

Teaching assistant: 賴羿雯，鄭洁晶，謝文升，劉昱安Rm#5785, ext. 5785

Reference book: Clinical Virology Manual, S. Specter, R. L. Hodinka, S. A. Young ed. 4th edition. 2009 ASM press.

Place: 醫技系 3 樓 病毒實驗室 Rm # 5772

Time: Monday: 13:10-17:00; Tuesday: 13:10-17:00; Wednesday: 13:10-17:00

Lab report	Date	Topics	負責老師	助教
	02/27 (w2) 10:10-12:00	Laboratory safety	蔡慧頻	
	03/06 (w2) 10:10-12:00	Methods commonly used for lab diagnosis of viruses (I) **(Lecture)**	蔡慧頻	
	03/13 (w2) 10:10-12:00	Methods commonly used for lab diagnosis of viruses (II) **(Lecture)**	蔡慧頻	
	03/19 (w1)	**Lab exercise one:** Check in, preparation of culture apparatus	蔡慧頻	賴羿雯、謝文升
	03/20 (w2)	**Lab exercise two:** Preparation of culture medium and reagents	王雅芳	賴羿雯、謝文升、郭明渝
	03/23 (w5)	**Lab exercise three:** Cell culture (flask, tube): MDCK, A549, GMK, RD	蔡慧頻	鄭洁晶、劉昱安、葉治
1(exp.1-3)	03/26 (w1)	**Lab exercise four:** Virus inoculation Observation of CPE	蔡慧頻	鄭洁晶、劉昱安、葉治
	03/27 (w2)	**Lab exercise five:** Preparation of FA slide Titration of virus ($TCID_{50}$)	王雅芳	賴羿雯、謝文升、徐美婷
	03/30 (w5)	**Lab exercise six:** Neutralization test Check CPE/preparation of FA slide of test	王雅芳	賴羿雯、謝文升、鄭伊雯
	04/09 (w1)	**Lab exercise seven:** Hemagglutination Hemadsorption	蔡慧頻	鄭洁晶、劉昱安、葉治
2(exp.4) 3(exp.5-6)	04/10 (w2)	**Lab exercise eight:** IF staining Check out	蔡慧頻	鄭洁晶、劉昱安、賴韋珽
4(exp.7-8)	04/13 (w5)			
	04/23 (w1)	**Lab exam (microscopic and written exam)**		

Grade: 10% Quiz 30% Report
40% Final exam (written) 20% Microscopic exam