**Clinical Virology Laboratory 2013 (group A)**

Department of Medical Laboratory Science and Biotechnology

College of Medicine, National Cheng Kung University

***Course coordinator:*** Dr.Jen-Ren Wang, Rm #5786, ext. 5786

***Reference book:***  Clinical Virology Manual, S. Specter, R. L. Hodinka, S. A. Young

ed. 4th edition. 2009 ASM press.

***Time***: Monday: 13:10-17:00

Tuesday: 13:10-17:00

Friday: 13:10-17:00

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| **lab report** | **Date** | **Topics** |
|  | 2/19 (w2) *10:10-12:00*  3/5 (w2) *10:10-12:00* | Laboratory safety  Methods commonly used for lab diagnosis of viruses (I) **(Lecture)** |
|  | 3/12 (w2) *10:10-12:00* | Methods commonly used for lab diagnosis of viruses (II) **(Lecture)** |
|  | 5/27(w1) | **Lab exercise one:**  Check in, preparation of culture apparatus |
|  | 5/28 (w2) | **Lab exercise two:**  Preparation of culture medium and reagents |
|  | 5/31 (w5) | **Lab exercise three:**  Cell culture (flask, tube):  MDCK, A549, GMK, RD |
| 1(exp.1-3) | 6/3 (w1) | **Lab exercise four:**  Virus inoculation  Observation of CPE |
|  | 6/4 (w2) | **Lab exercise five:**  Preparation of FA slide  Titration of virus (TCID50) |
| 2 (exp.4) | 6/7 (w5) | **Lab exercise six:**  Neutralization test  Check CPE/preparation of FA slide of test |
|  | 6/10 (w1) | **Lab exercise seven:**  Hemagglutination  Hemadsorption |
| 3(exp.5-6) | 6/11 (w2) | **Lab exercise eight:**  IF staining  Check out |
| 4(exp.7-8) | 6/17 (w1) *14:00-16:00* | **Lab exam (microscopic and written exam)** |

Grade:

10% quiz 30% report

40% final exam (written) 20% microscopic exam

**Clinical Virology Laboratory 2013 (group B)**

Department of Medical Laboratory Science and Biotechnology

College of Medicine, National Cheng Kung University

***Course coordinator:*** Jen-Ren Wang (王貞仁), Rm #5786, ext. 5786

***Reference book:***  Clinical Virology Manual, S. Specter, R. L. Hodinka, S. A. Young

ed. 4th edition. 2009 ASM press.

***Time***: Monday: 13:10-17:00

Tuesday: 13:10-17:00

Wednesday: 13:10-17:00

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| **lab**  **report** | **Date** | **Topics** |
|  | 2/19 (w2) *10:10-12:00*  3/5 (w2) *10:10-12:00* | Laboratory safety  Methods commonly used for lab diagnosis of viruses (I) **(Lecture)** |
|  | 3/12 (w2) *10:10-12:00* | Methods commonly used for lab diagnosis of viruses (II) **(Lecture)** |
|  | 5/6 (w1) | **Lab exercise one:**  Check in, preparation of culture apparatus |
|  | 5/7 (w2) | **Lab exercise two:**  Preparation of culture medium and reagents |
|  | 5/8 (w3) | **Lab exercise three:**  Cell culture (flask, tube):  MDCK, A549, GMK, RD |
| 1(exp.1-3) | 5/13 (w1) | **Lab exercise four:**  Virus inoculation  Observation of CPE |
|  | 5/14 (w2) | **Lab exercise five:**  Preparation of FA slide  Titration of virus (TCID50) |
| 2 (exp.4) | 5/15 (w3) | **Lab exercise six:**  Neutralization test  Check CPE/preparation of FA slide of test |
|  | 5/20 (w1) | **Lab exercise seven:**  Hemagglutination  Hemadsorption |
| 3(exp.5-6) | 5/21 (w2) | **Lab exercise eight:**  IF staining  Check out |
| 4(exp.7-8) | 6/17 (w1) *14:00-16:00* | **Lab exam (microscopic and written exam)** |

Grade:

10% quiz 30% report

40% final exam (written) 20% microscopic exam