## Clinical and Diagnostic Virology 2013

Department of Medical Laboratory Science and Biotechnology

College of Medicine, National Cheng Kung University

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

**Time**: Tuesday: am10:10-12:00

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| **Date** |  |
| 2/19 | Introduction to diagnostic virology  Properties and classification of viruses  Specimen collection, transport, and Processing  Laboratory safety and quality assurance |
| 3/5 | Methods commonly used for lab diagnosis of viruses (I) |
| 3/12 | Methods commonly used for lab diagnosis of viruses (II) |
| 3/19 | Adenoviridae  Herpesviridae |
| 3/26 | Orthomyxoviridae Paramyxoviridae  Rubella virus |
| 4/9 | ***Midterm exam*** (2.19-3.26) |
| 4/16 | Arboviruses  Roboviruses (Bunyaviridae, Arenaviridae) Filoviridae  Rhabdoviridae |
| 4/23 | Picornaviridae  Reoviridae |
| 4/30 | Hepatitis viruses |
| 5/7 | Retroviridae Coronaviridae |
| 5/14 | Parvoviridae  Poxviridae  Papovaviridae  Prion |
| 5/21 | ***Final exam*** (4.16-5.21) |

Grade: Midterm exam 50% Final exam 50%

***Reference books:***

1. Hsiung’s Diagnostic Virology, G. D. Hsiung, C. K. Y. Fong, M. L. Landry ed.4th edition. 1994. Yale Univ. Press.
2. Medical Virology. D. O. White and F. J. Fenner. 4th ed. 1994. Academic Press.
3. Essentials of Diagnostic Virology. G. A. Storch. 2000. Churchill Livingstone.
4. Clinical Virology Manual, S. Specter, R. L. Hodinka, S. A. Young ed. 4th edition. 2009 ASM press.
5. Manual of Clinical Microbiology, Volume 2. James Versalovic ed. 10th ed. 2011. ASM Press.