

**國立臺灣大學課程大綱**

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| 開課系所           | 生農學院獸醫學系（研究所）暨臨床動物醫學研究所   |      |    |
| 中英課程名稱         | 牧場動物疾病診療二<br>Diagnostics and Management of Farm Animal Diseases（II）   |      |    |
| 課程編號           | 629M2520  | 必/選修 | 選修 |
| 學分數            | 3   |      |    |
| 授課教師           | 蕭世烜、鄭益謙、闕玲玲   |      |    |
| 課程概述           | This is the 2nd section of a series of 4 semester training in diagnostics and management of farm animal diseases which is to enable veterinary students to expand their clinical experience in farm animal medicine. The goal will be achieved by taking rotations at our diagnostic laboratories with training opportunities in diagnostic and interpreting techniques for various farm animal diseases, including diseases of cattle, horses, sheep, pigs and goats.  |      |    |
| 參考書籍           | Radostits OM, Gay CC, Hinchcliff KW, Constable PD. (2007). Veterinary Medicine: a Textbook of the Diseases of Cattle, Horses, Sheep, Pigs and Goats. Saunders.  |      |    |
| 課程大綱<br>(課程進度) | <p>During this semester, students will become more confident on independently conducting various diagnostic tests for farm animal diseases in season upon the requests of referring veterinarians, industry managers and farmers. Their interpretation on the test results will now require lesser faculty members' supervision.</p> <p>The rotation of this section will start on February 1st of the year and ends on July 31st of the same year.</p> <p>Diagnostic tests of bovine diseases commonly requested by the referring veterinarians, industry managers and farmers may include:</p> <ul style="list-style-type: none"> <li>◆ Bluetongue AGID or FA</li> <li>◆ Bovine coronavirus FA, ileum, jejunum, colon</li> <li>◆ Bovine herpesvirus type 1 (IBR), 2 or 4, FA or SN titer</li> <li>◆ Bovine leukosis ELISA serology</li> <li>◆ Bovine parainfluenza virus type 3 FA or SN titer</li> <li>◆ Bovine respiratory syncytial virus (BRSV) FA</li> <li>◆ Bovine rotavirus FA</li> <li>◆ Bovine viral diarrhea virus (BVDV) FA, qRT-PCR, SN titer or PI Screen</li> <li>◆ Food and mouth disease, ELISA, SN or RT-PCR</li> <li>◆ Culture, aerobic bacteria, anaerobic bacteria, <i>Mycoplasma</i>, <i>Brucella</i>, <i>Campylobacter</i>, milk bulk tank, <i>Mycobacterium</i> or mycology</li> </ul> |      |    |

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|  | <ul style="list-style-type: none"> <li>♦ <i>Clostridium perfringens</i>, toxin typing (DNA amplification)</li> <li>♦ <i>Leptospira</i>, PCR or MAT (7 serovars) - food animal serology panel</li> <li>♦ <i>Mycoplasma</i> detection by DNA amplification</li> <li>♦ <i>Pasteurella</i> Toxin A PCR</li> <li>♦ <i>Salmonella</i> PCR or serotyping</li> <li>♦ Johne's ELISA</li> <li>♦ <i>Neospora caninum</i> ELISA serology</li> <li>♦ <i>Listeria monocytogenes</i> PCR</li> <li>♦ Milk samples for mastitis evaluation</li> <li>♦ Susceptibility panel, full MIC w/ interpretation</li> </ul> |
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