

UNIVERSITY OF CAMBRIDGE: DEPARTMENT OF PATHOLOGY
NATURAL SCIENCES TRIPOS - PART II PATHOLOGY 2011 - 2012
DYNAMICS OF INFECTIOUS DISEASES OPTION
Organiser: Dr. L. Tiley (telephone: 39554, e-mail: lst21@cam.ac.uk)
MICHAELMAS TERM 2011

Lectures this term will be given in Lecture Theatre 2, Department of Veterinary Medicine, West Cambridge Site, unless otherwise stated.

Wed	Oct	05	3pm	1	Introduction to Part II Pathology Lecture Theatre at Tennis Court Road	
Th	Oct	06	2pm-4pm		Bibliographic Training † <i>TBC</i>	Kuhn
Tu	Oct	11	9am-10am	2	Introduction to Infection and Viral Dynamics	Tiley
			10am-11am	3	Within Host Dynamics 1 - Introduction to growth dynamics	Restif
Th	Oct	13	9am-10am	4	Within Host Dynamics 2 - Virus dynamics	Restif
			10am-11am	5	Within Host Dynamics 3 - Antigenic diversity	Restif
Th	Oct	13	2pm-4pm		Bibliographic Training † <i>TBC</i>	Kuhn
Fri	Oct	14	2pm-4pm		Bibliographic Training † <i>TBC</i>	Kuhn
Mon	Oct	17	2pm-4pm		Bibliographic Training † <i>TBC</i>	Kuhn
Tu	Oct	18	9am-11am	6	Population Dynamics 1 - From within-host to transmission	Wood
				7	Population Dynamics 2 - Epidemic and endemic dynamics	Wood
			2pm-4pm		Bibliographic Training † <i>TBC</i>	Kuhn
Th	Oct	20	9am-10am	8	Population Dynamics 3 - Control measures	Wood
			10am-12pm		Practical 1 - Computer-based Simulations Computer Suite, Dept. of Vet. Medicine	Restif
			2pm-4pm		Bibliographic Training † <i>TBC</i>	Kuhn
Tu	Oct	25	9am-10am	9	Basic Statistics 1	McKinley
Th	Oct	27	9am-10am	10	Population Dynamics 4 - Pathogen evolution	Restif
			10am-11am		Practical 2 - Basic statistics and data handling Computer Suite, Dept. of Vet. Medicine	McKinley
Tu	Nov	01	9am-10am	11	FMD 1 – Control	King
Tu	Nov	08	9am-10am	12	FMD 2 - Epidemic dynamics	Wood
			10am-11am	13	Influenza 1 - Epidemic Dynamics	Wood
Th	Nov	10	9am-10am	14	Influenza 3 - Cross-species Transmission	Brown
			10am-11am	15	Influenza 4 - Disease Control	Brown
Tu	Nov	15	9am-10am	16	Influenza 2 - Immunity	Wood
			10am-11am	17	Influenza 5 - Virus Evolution	McCauley
Th	Nov	17	9am-10am	18	Rabies 1 - Infection dynamics	Fooks
			10am-11am	19	Rabies 1b	Fooks
			11am-12pm	20	Rabies 2 - Population dynamics and control	Russell
Th	Nov	24	9am-10am	21	Dynamics of acute bacterial infections 1 - Population dynamics of bacterial infections	Restif
			10-11am	22	Dynamics of acute bacterial infections 2 - Campylobacter - epidemiology	Grant
Tu	Nov	29	9am – 10am	23	Dynamics of acute bacterial infections 3 - Campylobacter infections in humans	Grant
			10am-11am		Debate 1 - Disease Control Measures (Pandemic Flu Threat) <u>In the Senior Common Room, Dept. of Veterinary Medicine</u>	Tiley/Wood
Th	Dec	01	9am-10am	24	Dynamics of acute bacterial infections 4 - Colonisation dynamics in the environment	Grant
			10am-11am	25	Dynamics of acute bacterial infections 5 - Colonisation dynamics in poultry	Grant
					†Bibliographic IT training will be held in the University Library. Students need only to attend	

				one of the sessions. Please complete the form available at http://www.surveymonkey.com/s/part2-path-library-session to select the session you will attend.	
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LENT TERM 2012

Lectures this term will be given in Lecture theatre 2, Dept. Vet. Medicine, Madingley Road, unless otherwise stated.

Th	Jan	19	9am-10am	26	Antibiotic Resistance	Maskell
			10am-12pm	27	Literature Review 1 - Antibiotic resistance (SCR)	Grant/Maskell
Tu	Jan	24	9am-10am	28	Dynamics of acute bacterial infections 6 - Salmonella infections of humans and animals	Humphrey
Th	Jan	26	9am-10am	29	Dynamics of acute bacterial infections 7 - Salmonellae - interactions with the host	Mastroeni
			10am-11am	30	Dynamics of acute bacterial infections 8 - Salmonellae - immunity	Mastroeni
Th	Feb	09	9am-10am	32	Streptococci 1	Slater
			10am-11am	33	Streptococci 2	Slater
Tu	Feb	14	10am-11am	31	Network Modelling	Brooks Pollock
Th	Feb	16	9am-10am	34	Herpes Viruses 1 - Evolution	Davison
			10am-11am	35	Herpes Viruses 3 - In host dynamics of lymphotropic/endotheliotropic equine herpes viruses	Smith
Tu	Feb	21	9am-10am	36	Herpes Viruses 2 - Pathogenesis	Field
			10-11.30am	37	Literature Review 2 - Bovine TB and badgers	Corke/Tiley
Th	Feb	23	9am-10am	38	Concepts in emerging infections	Frost
			10am-11am	39	Phylogenetics	Frost
Tu	Feb	28	9am-10am	40	Emerging Infections 2 - SIV	Heeney
			10am-11am	41	Emerging Infections 1 - SARS, West Nile	Drew
Wed	Feb	29	2.30pm	42	Emerging Infections 7 - Virus discovery Sanger Building Lecture Theatre, Dept. of Biochemistry (Combined lecture with Virology Option)	Fouchier
Tu	Mar	06	9am-10am	45	Emerging Infections 5 - Orbivirus dynamics	Gubbins
			10am-11am	43	Emerging Infections 3 - Orbivirus dynamics	Mellor
			11am-12pm	44	Emerging Infections 4 – Impact of climate change	Mellor
Th	Mar	08	9am – 10am	46	Emerging Infections 6 - Lessons from myxomatosis	Tiley
			10am-12pm		Practical 3 - Myxomatosis modelling Computer Suite, Dept. of Vet. Medicine	Restif

EASTER TERM 2012

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Tu	Apr	24	9am-10am	47	TSEs 1	Bujdoso
Th	Apr	26	9am-10am	48	TSEs 2	Thackray
			10am-11am	49	TSEs 3	Thackray
Tu	May	01	9am-11am	50	Student Project Presentations (IMPORTANT: All students should attend this session)	Tiley
Tu	May	08	9am	51	Examples Class	Tiley/Wood