

Short Course in Geospatial and Fluid Dynamics Modelling of Infectious Diseases

18 – 20 January 2007

TENTATIVE PROGRAMME

Time	18 Jan (Thur) Basic GIS	Time	19 Jan (Fri) More on GIS	Time	20 Jan (Sat) CFD	
0900-0930	Infectious diseases and new modelling tools (Dr. Chi Chiu LEUNG)	0900-1000	An overview of GIS in health Care (Prof. Tung FUNG)	0900-0930	CFD: Air flow, aerosols, respiratory droplets and infectious diseases – a primer (Dr. Yuguo LI)	
0930-1015	Geospatial transmission models of infectious disease (Dr. Ben COWLING)			0930-1100	CFD in outbreak investigations (Dr. Jianlei NIU)	
1015-1100	Basic GIS concepts (Dr. Poh Chin LAI)	1000-1100	Point pattern analysis (Prof. Gerard RUSHTON)			
1100-1130	Break	1100-1130	Break	1100-1130	Break	
1130-1230	Working with geographical data (Prof. Tung FUNG)	1130-1230	Identifying disease clusters (Prof. Gerard RUSHTON)	1130-1230	CFD in hospital infection control (Dr Yuguo LI)	
1230-1400	Lunch	1230-1400	Lunch	1230-1400	Lunch	
1400-1500	Managing health-related data (Prof. Tung FUNG)	1400-1500	Spatio-temporal studies (Prof. Yee LEUNG)	1400-1730	Hands - on Exercise	
1500-1530	Break	1500-1530	Break		Group A Outbreak GIS exercise (Dr. Poh Chin LAI) at Seminar Room, G/F, Centre for Health Protection	Group B Simulated exercise on CFD (Dr. Yuguo LI) at Faculty of Engineering Computer Lab, Room LG202, Composite Building, The University of Hong Kong
1530-1630	Geocoding and spatial queries (Dr. Poh Chin LAI)	1530-1630	Associative analyses (Prof. Yee LEUNG)			
1630-1730	Mapping geographical data (Prof. Gerard RUSHTON)	1630-1730	Undertaking a GIS project (Dr. Poh Chin LAI)			
				<u>Remark:</u> Transportation will be arranged to leave the CHP at 12:40pm		

Remarks: GIS = geographic information system
CFD = computational fluid dynamics

(Updated on 8 January 2007)