



MMPH 6173 Personalised public health

Course Coordinator:	Dr Dennis Ip
Course Description:	Personalised public health is the study of the impact of advancements in genetic, genomic, information and other relevant technologies on advancing modern public health practice. The course will start with an exploration on the inter-relationship of genetic, environmental, and other factors on shaping disease susceptibility, and followed by a detailed examination on the potential impact and challenges on modern public health practice given by these technological advancement. Specific issues to be discussed include advanced approaches in health promotion, disease screening, control and prevention, health risk prediction, individualized disease management and prevention, and ethical, legal, cultural, economic and policy issues involved when applying genomics and digital health technologies to inform modern public health practice.
Venue:	TBC

Prerequisite: None

Term 3 (Monday)

Contact person: Ms Nicole Tsang

Date	Time	Lecture Topic	Lecturer	Venue
06 May 2024	6:30 – 9:30 pm	1. An overview of Personalized public health	DI	TBC
13 May 2024	6:30 – 9:30 pm	2. Influencing practice 1: Management of inherited diseases	DI	TBC
20 May 2024	6:30 – 9:30 pm	3. Influencing practice 2: Improving clinical management of common diseases	DI	TBC
27 May 2024	6:30 – 9:30 pm	4. Influencing practice 3: Risk prediction and monitoring for common diseases	DI	TBC
03 June 2024	6:30 – 9:30 pm	5. Influencing practice 4: Changing public health practice in the genomic era	DI	TBC
17 June 2024	6:30 – 9:30 pm	6. Influencing practice 5: Health care and protection in the digital era	DI	TBC
24 June 2024	6:30 – 9:30 pm	7. Control and regulation of genetic testing and other new technologies	DI	TBC
08 July 2024	6:30 – 9:30 pm	8. System requirement for personalized medicine and public health practice	DI	TBC
15 July 2024	6:30 – 9:30 pm	9. Medical research in the era of personalized public health practice	DI	TBC
22 July 2024	6:30 – 9:30 pm	10. Project Presentation	DI	TBC

Course Assessment: Written tasks: 40%
Participation: 20%
Group assignment: 20%
Project presentation: 20%

Recommended Textbook:

Genetics, Health Care and Public Policy: An Introduction to Public Health Genetics by Alison Stewart, Philippa Brice, Hilary Burton, Paul Pharoah, Simon Sanderson, Ron Zimmern. Cambridge University Press; 1 edition (17 May 2007)

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