



MMPH6173 Personalised Public Health (Summer Semester)

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.

Prerequisite: None

Term 3 (Monday)

Contact person: Ms Nicole Tsang

Date	Time	Lecture Topic	Lecturer	Venue
15 May 2023	6:30 – 9:30 pm	1. An overview of Personalized public health	DI	SR609
22 May 2023	6:30 – 9:30 pm	2. Influencing practice 1: Management of inherited diseases	DI	SR609
29 May 2023	6:30 – 9:30 pm	3. Influencing practice 2: Improving clinical management of common diseases	DI	SR609
05 June 2023	6:30 – 9:30 pm	4. Influencing practice 3: Risk prediction and monitoring for common diseases	DI	SR609
12 June 2023	6:30 – 9:30 pm	5. Influencing practice 4: Changing public health practice in the genomic era	DI	SR609
19 June 2023	6:30 – 9:30 pm	6. Influencing practice 5: Health care and protection in the digital era	DI	SR609
26 June 2023	6:30 – 9:30 pm	7. Control and regulation of genetic testing and other new technologies	DI	SR609
03 July 2023	6:30 – 9:30 pm	8. System requirement for personalized medicine and public health practice	DI	TBC
10 July 2023	6:30 – 9:30 pm	9. Medical research in the era of personalized public health practice	DI	TBC
17 July 2023	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)

SR609: A6-09, 6/F, William M.W. Mong Block, 21 Sassoon Road, HK

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