PUBH 7032 PATIENT-CENTRED DIGITAL HEALTHCARE

Credit Points 10

Legacy Code 401367

Coordinator Luckman Hlambelo (https://directory.westernsydney.edu.au/search/name/Luckman Hlambelo/)

Description Patient-Centred Digital Healthcare introduces students to consumer engagement and consumer informatics approaches and many other examples of innovations using data analytics and digital health strategies in clinical, community-based, and home-based settings. Students will learn about the role of Patient-facing Technologies to empower patients and improve safety and the importance of standardisation of the electronic management of healthcare information and the automation of clinical processes in delivering patient-centred care. Central to fulfilling this role is ensuring that care is delivered in a safe and effective manner. Students are encouraged to identify, articulate, reflect upon, and value digital health technologies in their local health services.

School Health Sciences

Discipline Public Health, Not Elsewhere Classified.

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 7 subject

Co-requisite(s) For students enrolled in 4778 Graduate Diploma in Digital Health and 4698 Master of Health Science 2-year and 15-year pathways
PUBH 7031 Health Systems and Policy
Note Students in the 1 year pathway will need to complete a rule waiver form to enroll in this unit

Restrictions

Students must be enrolled in a postgraduate program.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Appraise the range of patient-facing technologies available in Australia and how these technologies fit within the wider National Digital Health Strategy for Australia
2. Evaluate technical, policy, design, and implementation issues associated with consumer-facing technologies
3. Critically analyse the evidence-base for consumer engagement and consumer informatics approaches
4. Create innovations using data analytics and digital health strategies in clinical, community-based, and home-based settings
5. Illustrate ways in which health systems are using informatics approaches to make a difference both in personal as well as population and community health
6. Examine policy and regulatory issues on value-based purchasing, community health, ethics, open science and data analytics, and how Australia and other countries developed their national digital health strategies.

Subject Content

1.Consumer and Patient Engagement in health and healthcare
2.Using digital health to support patient-centred care
3.The role of social media in the democratisation of healthcare
4.Understanding Usability and Human-Centred Design Principles
5.Accessibility for Health IT
6.Behaviour Change Design
7.Consumer-Centred and Consumer-Generated Information
8.Telemedicine and eHealth
9.Patient Portals and Feedback Loops
10.Policy and regulatory issues in digital healthcare

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Professional Task	5 x 350 words	25	N	Individual	N
Professional Task	1,000 words	35	N	Individual	N
Professional Task	2,500 words	40	N	Individual	N

Prescribed Texts

- Edmunds, M., Hass, C., & Holve, E. (Eds.). (2018). Consumer Informatics and Digital Health: Solutions for Health and Health Care. Springer.

Teaching Periods

Spring (2025)

Online

Online

Subject Contact Luckman Hlambelo (https://directory.westernsydney.edu.au/search/name/Luckman Hlambelo/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=PUBH7032_25-SPR_ON_2#subjects)