

Mobile Health 2024/25

Lecture Slides and Schedule

23rd January [Lecture 1: Introduction to Mobile and Wearable Health](#)

28th January [Lecture 2: Basics of Signal Processing](#)

30th January [Lecture 3: Photoplethysmography \(PPG\) \(1\)](#)

4th February [Lecture 4: Photoplethysmography \(PPG\) \(2\)](#)

6th February [Lecture 5: Audio \(1\)](#)

11th February [Lecture 6: Audio \(2\)](#)

13th February [Lecture 7: Inertial Measurement Unit \(1\)](#)

13th February Practical 1 (Signal Processing)

18th February [Lecture 8: Inertial Measurement Unit \(2\)](#)

20th February [Lecture 9: Location Tracking](#)

25th February [Lecture 10: Bluetooth](#)

27th February [Lecture 11: Contactless Radio](#)

27th February Practical 2 (Machine Learning)

4th March [Lecture 12: Foundation Models for Wearable Health Data](#)

6th March Guest Lecture. Alessandro Montanari, Nokia Bell Labs: [Hearable Computing and Health](#)

11th March Guest Lecture. Peter Charlton. [Wearable electrocardiography: from Holter to handheld devices](#)