

In this project, our team have produced four micro-modules for topics in the Anatomy course for Year 2 Nursing students to enhance students' understanding of the human anatomical structures and arrangement. The topics covered were "The Musculoskeletal system", and "The Cardio-Respiratory system" and it is expected these micro-modules can help students consolidate the knowledge learnt and apply them into nursing clinical practice. Below is the objective of each micro-modules:

#### Micro-module 1 – The Musculoskeletal System I (Overview)

Learning Objectives : Outline the musculoskeletal system.

: Recognize the skeletal structure of human body.

#### Micro-module 2 - The Musculoskeletal System II (Surface Anatomy)

Learning Objectives : Locate internal organs through observation and palpation of the body.

: Identify important anatomical features for body landmarks.

#### Micro-module 3 – The Nervous System (Spinal Cord)

Learning Objectives : Identify the gross structure of the spinal cord and understand some of the clinical impact of spinal cord injury.

#### Micro-module 4 – The Nervous System (Special Sense)

Learning Objectives : Understand of the gross anatomical structures related to vision and hearing.

: Acknowledge the impact of daily habits to visions and hearing loss.

The micro-modules were constructed in the form of powtoon videos and demonstration video of twenty minutes and have been uploaded to Blackboard Learn platform. From the evaluation results, students were satisfied with this learning approach, which allowed them to flexibly self-pace their study progress according to their learning needs. Students also found the approach was useful in clarifying concepts and stimulating their learning. The results showed that micro-modules have the pedagogical potential to facilitate student pre-class learning and support the implementation of flipped classrooms.

The micro-modules will be kept in the Blackboard Learn platform in the coming academic years for students' access. Also, it will be made available in 2018-2019 academic year to students enrolled in the same course. Our team would like to thank once again the Micro-Module Courseware Development Committee for approving the grant. The success of these micro-modules will not happen without their generous support.