COURSE DETAIL

HUMAN MOVEMENT ANALYSIS
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Graduate
UCEAP Subject Area(s) Bioengineering
UCEAP Course Number 214
UCEAP Course Suffix
UCEAP Official Title HUMAN MOVEMENT ANALYSIS
UCEAP Transcript Title HUMAN MOVEMENT
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course provides the mechanical basis underlying body posture and movement; and techniques necessary for the analysis of human movement for clinical applications and research. Human posture and movement are a result of highly coordinated mechanical interactions between bones, joints, ligaments and muscles under the control of the nervous system. Understanding of the synthesis and control of human movement requires a complete knowledge of the force interactions within the neuromusculoskeletal system. This course offers a clear understanding of the mechanics of posture and movement as well as the theoretical basis and ability of operation of instruments used in human motion analysis such as stereophotogrammetry systems, EMG and force plates.

Language(s) of Instruction
English

Host Institution Course Number
Biomed7055

Host Institution Course Title
HUMAN MOVEMENT ANALYSIS

Host Institution Course Details
https://ceiba.ntu.edu.tw/modules/index.php?csn=857f1f&default_fun=&stu=&current...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biomedical Engineering

Course Last Reviewed
2022-2023

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