COURSE DETAIL

PHYSIOLOGY

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Seoul Summer,Yonsei University Summer

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
106

UCEAP Course Suffix
S

UCEAP Official Title
PHYSIOLOGY

UCEAP Transcript Title
PHYSIOLOGY

UCEAP Quarter Units
4.50

UCEAP Semester Units

3.00

Course Description
The course explores the basic concept of how organisms, organs, cells, and biomolecules carry out the chemical or physical functions of a living system. Topics include cellular physiology (cell function, homeostasis, signal transduction, membrane receptors); the nervous system; muscle (skeletal and cardiac muscle physiology, smooth muscle); the cardiovascular system (circulation, regulation of heart and vasculature); the respiratory system (ventilation and perfusion, oxygen and carbon dioxide transport); gastrointestinal physiology; and the renal system (solute and water transport along the nephron, control of body fluid osmolality and volume). Text: B.M. Koeppen and B.A. Stanton, BERNE & LEVY PHYSIOLOGY. Assessment: attendance and participation (20%), midterm (40%), final exam (40%).

Language(s) of Instruction
English

Host Institution Course Number
UBC3005

Host Institution Course Title
PHYSIOLOGY

Host Institution Course Details

Host Institution Campus
Yonsei International Summer School

Host Institution Faculty

Host Institution Degree

Host Institution Department
Science & Technology

Course Last Reviewed

Print