COURSE DETAIL

CANCER DEVELOPMENT

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
110

UCEAP Course Suffix

UCEAP Official Title
CANCER DEVELOPMENT

UCEAP Transcript Title
CANCER DEVELOPMENT

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

The behavioral differences between individual cells from normal tissues and those from tumors, and how cancer cells learn to invade other tissues and create the metastases responsible for cancer mortality. To introduce the major concepts and principles of cancer biology including tumor viruses, oncogenes, signal transduction, tumor suppressors, the cell cycle, angiogenesis, metastasis, and cancer treatment. Students are able to comprehend and explain the molecular and cellular nature of cancer. Students are able to comprehend and explain tumorigenesis, maintenance of genomic integrity, angiogenesis, and metastasis. Students are able to comprehend and explain tumor immunology, immunotherapy, and cancer treatment.

Prerequisites: Organic Chemistry 1, Biochemistry 1, Cancer Biology (recommended)

Language(s) of Instruction
English

Host Institution Course Number
LST4003

Host Institution Course Title
CANCER DEVELOPMENT

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Life Science and Biotechnology

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