

## 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 Course Details

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Life Science and Biotechnology

### Course Last Reviewed

2023-2024

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