

COURSE DETAIL

CANCER BIOLOGY

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

109

UCEAP Course Suffix

A

UCEAP Official Title

CANCER BIOLOGY

UCEAP Transcript Title

CANCER BIOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This is the first course in a two course series on the molecular and cellular mechanisms that create cancer. Topics include: mutant genes and proteins involved in programming the abnormal proliferation of cancer cells which leads to the long, protracted process of the development of cancer; 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; major concepts and principles of cancer biology including tumor viruses, oncogenes, signal transduction, tumor suppressors, the cell cycle, angiogenesis, metastasis, and cancer treatment. Prerequisite: General Chemistry, General Biology. Recommended-Biochemistry Textbook: Robert A. Weinberg, THE BIOLOGY OF CANCER. Assessment: Attendance (10%), participation (10%), midterm (40%), final exam (40%).

Language(s) of Instruction

English

Host Institution Course Number

LST4002

Host Institution Course Title

CANCER BIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life Science and Biotechnology

Course Last Reviewed

2025-2026

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