

COURSE DETAIL

MOLECULAR 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

124

UCEAP Course Suffix**UCEAP Official Title**

MOLECULAR CANCER BIOLOGY

UCEAP Transcript Title

MOLECULR CANCER BIO

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course focuses on the molecular biology of cancer. We discuss in detail topics such as biology and genetics of cells and organisms, nature of cancer, tumor viruses, cellular oncogenes, growth factors, receptors and cancer, cytoplasmic signaling circuitry programs, tumor suppressor genes, pRb and control of the cell cycle clock, p53 and apoptosis, cell immortalization, maintenance of genomic integrity. Experimental approaches are also introduced in the context of primary research articles. Cell biology and molecular biology at undergraduate levels are essential prerequisites. Topics include Biology and genetics of cells and organisms, Nature of cancer, Tumor viruses, Cellular oncogenes, Growth factors, receptors and cancer, Cytoplasmic signaling circuitry programs, Tumor suppressor genes, etc.

Language(s) of Instruction

Korean

Host Institution Course Number

BIO4108

Host Institution Course Title

MOLECULAR CANCER BIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

Course Last Reviewed

2022-2023

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