

## 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 Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Biology

[Print](#)