# COURSE DETAIL

| NUTRIGENOMICS |
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| **Country**<br>Hong Kong |
| **Host Institution**<br>University of Hong Kong |
| **Program(s)**<br>University of Hong Kong |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Biological Sciences |
| **UCEAP Course Number**<br>125 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>NUTRIGENOMICS |
| **UCEAP Transcript Title**<br>NUTRIGENOMICS |
| **UCEAP Quarter Units**<br>5.00 |
| **UCEAP Semester Units**<br>3.30 |

**Course Description**
Advances in the understanding of human genome have resulted in the emergence of a new science called Nutrigenomics. This course provides an understanding of the biochemical mechanisms underpinning nutrition research and the relation between genetics and diet-related diseases. The course also reinforces the role of nutrition at the molecular level and the concepts of nutrigenomics and nutrigenetics. Topics covered include principles of molecular biology, the study of gene and its function, structure and function of chromosomes, DNA replication, control of gene expression, epigenetics, genetic variation and human diseases, and tools of molecular biology.

**Language(s) of Instruction**
English

**Host Institution Course Number**
BIOL3211

**Host Institution Course Title**
MOLECULAR BIOLOGY AND NUTRIGENOMICS

**Host Institution Course Details**

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Biological Sciences

**Course Last Reviewed**

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