

COURSE DETAIL

PERSONAL GENETICS

Country

Netherlands

Host Institution

Wageningen University and Research Center

Program(s)

Wageningen University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

102

UCEAP Course Suffix**UCEAP Official Title**

PERSONAL GENETICS

UCEAP Transcript Title

PERSONAL GENETICS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course is a study of genetics, which covers all aspects of genes, from the molecular to the population level, that affect biologically inherited traits. Students learn basic terms and concepts in genetics through a personal approach utilizing the web service 23andme. This service is central to the study of causes and consequences of human sequence variation. This course includes the opportunity for students to sequence and analyze their own genome, and addresses the ethical impact of acquiring such information. Students explain the basic genetic processes in eukaryotes; summarize basic genetic methods; recall tools and methods to study gene expression; recall general genetic terms from the textbook; design, explain, and interpret genetic experiments; analyze and judge the use of genetics in societal questions; and interpret ethical aspects of genome wide sequence information.

Language(s) of Instruction

English

Host Institution Course Number

GEN-21306

Host Institution Course Title

PERSONAL GENETICS

Host Institution Campus

Bioinformatics

Host Institution Faculty

Host Institution Degree

Host Institution Department

Genetics

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