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 Course Details

Host Institution Campus
Bioinformatics

Host Institution Faculty

Host Institution Degree

Host Institution Department
Genetics

Course Last Reviewed

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