

COURSE DETAIL

PERSONALIZED GENETICS IN CLINICAL RESEARCH

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

PERSONALIZED GENETICS IN CLINICAL RESEARCH

UCEAP Transcript Title

PERSONAL GENETICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores the edge of fundamental gene research as well as the contemporary practices in a clinical setting. The aim is to ascertain what remains unknown and what information is currently missing, allowing us to form a plan for the future of genetic testing and genome screening. Attention is paid to the ethical choices that arise with these new developments. These are personal choices such as “Do I want to know it if they find something unexpected?” but also societal choices such as “Should we offer everyone genetic screening as a preventive measure, also when there are no medical indications to do so?” The course discusses the possibilities and the desirability of genetic testing and screening from a fundamental scientific point of view, taking into account that the nature of genetic information can be complex and uncertain. The course requires students to have knowledge of complex relations between genetic information and the (dys)functioning of the body, and molecular processes surrounding gene expression and gene regulation, as a prerequisite.

Language(s) of Instruction

English

Host Institution Course Number

BMW32913

Host Institution Course Title

PERSONALIZED GENETICS IN CLINICAL RESEARCH

Host Institution Campus

Host Institution Faculty

Medicine

Host Institution Degree

Host Institution Department

Biomedical Sciences

[Print](#)