# COURSE DETAIL

## HUMAN GENETICS AND GENOMICS

**Country**
United Kingdom - England

**Host Institution**
University of Sussex

**Program(s)**
University of Sussex

**UCEAP Course Level**
Upper Division

**UCEAP Subject Area(s)**
Biological Sciences

**UCEAP Course Number**
151

**UCEAP Course Suffix**
N

**UCEAP Official Title**
HUMAN GENETICS AND GENOMICS

**UCEAP Transcript Title**
HUMAN GENETICS

**UCEAP Quarter Units**
6.00

**UCEAP Semester Units**

4.00

**Course Description**

Students learn about the organization of the human genome, and how it affects the expression, preservation, and transmission of genetic traits. Students discover how modern genetic approaches, including whole genome sequencing, underpin advances in our understanding of gene function and human disease. Students also explore how current techniques drive genetic research and allow the characterization of genes, as well as their potential role in determining health outcomes. This includes an overview of basic bioinformatic methods, to navigate the public data resources that harbor genomic and functional data, an essential tool in the molecular and health sciences.

**Language(s) of Instruction**
English

**Host Institution Course Number**
C7110

**Host Institution Course Title**
HUMAN GENETICS AND GENOMICS

**Host Institution Course Details**
https://www.sussex.ac.uk/study/modules/undergraduate/2025/92435-human-genetics-...

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Life Science

**Course Last Reviewed**

2025-2026

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