



Exchange programme Vrije Universiteit Amsterdam

Vrije Universiteit Amsterdam - Exchange programme Vrije Universiteit Amsterdam - 2024-2025

Exchange

Vrije Universiteit Amsterdam offers many English-taught courses in a variety of subjects, ranging from arts & culture and social sciences, neurosciences and computer science, to economics and business administration.

The International Office is responsible for course approval and course registration for exchange students. For details about course registration, requirements, credits, semesters and so on, please [visit the exchange programmes webpages](#).

From Protein to Cell

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|---------------------|----------------------------|
| Course Code | AB_1052 |
| Credits | 6 |
| Period | P2 |
| Course Level | 300 |
| Language Of Tuition | English |
| Faculty | Faculty of Science |
| Course Coordinator | dr. D. Bald |
| Examiner | dr. D. Bald |
| Teaching Staff | K. van Rossum, dr. D. Bald |
| Teaching method(s) | Lecture, Practical |

Course Objective

Study fundamental properties of proteins in a concerted theoretical and practical approach. We will cover principles and applications of investigating proteins as well as antibiotics targeting proteins. In the laboratory practicals selected features of key proteins will be studied. The design of experiments to address a certain open question and understanding of experimental protocols are an important aspects of this course.

Course Content

The course consists of a mixture of lectures, practicals (in groups), and individual study. We will cover concepts/methods/techniques that you can use to study a broad range of relevant questions, e.g: how to study a protein and how to design an experimental strategy.

Additional Information Teaching Methods

Lectures: 8 h, practicals: 20 h, individual study: 140 h.

Method of Assessment

Written reports on the performed experiments (100%).

Literature

Lecture slides and experimental protocols. Any biochemistry textbook can be used for repetition.

Additional Information Target Audience

Students in the Minor Biomolecular Sciences.

Additional Information

This course is scheduled in the second half (weeks 5-8) of period 2.

A lab coat is mandatory for the lab practical lab work. Prior participation in the course Experimental Cell Biology I is expected.

As this course mainly consists of practical exercises the examination is offered only once per study year.

Recommended background knowledge

Participation in Experimental Cell Biology I.