



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](#).

Mind Brain and Education

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| Course Code | P_BMBEDUC |
| Credits | 6 |
| Period | P2 |
| Course Level | 300 |
| Language Of Tuition | English |
| Faculty | Faculty of Behavioural and Movement Sc. |
| Course Coordinator | prof. dr. N.M. van Atteveldt |
| Examiner | prof. dr. N.M. van Atteveldt |
| Teaching Staff | A.N. de Vries, R. Ben Salah MSc, prof. dr. N.M. van Atteveldt |
| Teaching method(s) | Lecture, Seminar |

Course Objective

The aims of the course Mind Brain and Education are to provide an introduction into neuroeducational research, and to learn students to reflect critically on how neuroscientific research can be translated to the educational practice.

Course Content

Many scientists, policymakers and teachers share the belief that knowledge of how the brain learns and develops is relevant to educational practice. Yet, implementing neuroscientific findings in the classroom is by no means straightforward. Experts in the different fields seem to speak a different language. This course will provide an introduction into the new scientific domain of neuroeducational research. It will highlight insights from neuroscience that are relevant to educational practice. It will try to bridge the gap between the two fields. Using examples of recent interdisciplinary studies, it will demonstrate how diverse methodological approaches, ranging from neuro-imaging laboratory experiments used in cognitive neuroscience, to the approaches used in educational sciences, can be integrated. The course will outline the ways education can be improved using knowledge of the brain, but also point to the risks involved in this endeavour, specifically the proliferation of so-called neuromyths. Topics that will be covered are for example learning and plasticity, development of cognitive skills such as reading and math, development of metacognitive and social skills, neuro-imaging methods (myths and opportunities), and ethical discussions on the use of neuro-enhancement and early biomarkers of learning disorders.

Additional Information Teaching Methods

Lectures (2 per week) Tutorials (1 per week, mandatory)

Method of Assessment

Written exam with open-ended questions.

Literature

Scientific articles (to be announced later on Canvas).