**SYLLABUS**

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| COURSE TITLE:  | Neuroeducation – what teacher should know about brain |
| CREDITS | 2 |
| LANGUAGE OF INSTRUCTION :  | English |
|  DEPARTMENT/FACULTY | Institute of Pedagogy/Education and Psychology |
| LECTURER(S)  |  Małgorzata Chojak, PhD |
| COURSE OBJECTIVES |
| Students who successfully complete this course will have basic knowledge and insight into:• Student recognizes problems related to the implication of neurobiological research results in education,• The student is familiar with modern brain imaging techniques,• The student is aware of interdisciplinary discipline and learns how to conduct debates. |
| PREREQUISITES: |  Basic knowledge about brain’s structure |
| COURSE ORGANISATION –LEARNING FORMAT AND NUMBER OF HOURS |
| 15 hours of workshops  |
|  COURSE DESCRIPTION |
| The subject is a research laboratory. Participants will independently design research using brain neuroimaging and based on current neuroscience knowledge. |
| METHODS OF INSTRUCTION | Lecture, discussion, experiment, demonstrations, case studies etc |
|  REQUIREMENTS AND ASSESSMENTS | \* Attendance and active participation in classes\* Prepare own procedure of research\* One short presentation  |
|  GRADING SYSTEM | Success in this course depends on attending class regularly, actively participating in class, and taking thorough notes.  |
| TOTAL STUDENT WORKLOAD NEEDED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDIT POINTS  |

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| Activity | Hours: |
| Lecture | 25 |
| Workshops | 15 |
| Preparation for classes  | 20 |
| Total | 60 |
| ECTS | 2 |

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| STUDY MATERIALS | PRIMARY OR REQUIRED BOOKS/READINGS:1. [www.kenhub.com/en/library/anatomy/brodmann-areas](http://www.kenhub.com/en/library/anatomy/brodmann-areas)
2. Mojtaba Soltanlou M., Sitnikova M.A., Nuerk H.C., Dresler T. (2018) Applications of Functional Near-Infrared Spectroscopy (fNIRS) in Studying Cognitive Development: The Case of Mathematics and Language, [Front Psychol](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5891614/). 2018; 9: 277.
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