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| Course | Introduction to Kansei, Behavioral and Brain Sciences for EMP I |
| Course No. | 02RB242 |
| Credits | 1.0Credits |
| Grade | 1 - 3Year |
| Timetable | Spring Semester by request |
| Instructor | Sonoko Ogawa |
| Course Overview | Lectures offered by faculty members of Master ' s Program of Kansei, Behavioral and Brain Sciences, Graduate School of Comprehensive Human Sciences. Learn basic knowledge of Kansei sciences (Kansei information science, Kansei design science), behavioral sciences (behavioral neuroscience, mental disability science), brain sciences (molecular neuroscience, neuroanatomy, neurophysiology) |
| Remarks | Classroom : Laboratory of Advanced Research D, D116, 117 (総合研究棟 D116,117) Not allowed to overlap with 01EG105 and 01EG106 |
| Course Type | lectures |
| Course Remarks | Some lectures will be given in English, but others will be given in Japanese with English slides. |
| Relationship to EMP Educational Objectives | |
| Course Objectives | To obtain basic knowledge, logical thinking and methodology of kansei, behavioral and brain sciences. |
| Course Schedule | 1) basic methods and techniques for Kansei, Behavioral and Brain Sciences (psychological, physiological and behavioral measurements), 2) introductory neuroanatomy, 3) brain development and environment, 4) Kasei human engineering, 5) sleep and brain functions, 6) learning and memory, cognitive disorders, 7) molecular basis of brain functions, neurophysiology of motivation, and emotion, 8) neural basis of social behavior, product design and social behavior. 1) (TBA: Detailed class schedule) Classroom:Research Building D116, 117 |
| Graduating Methods and Criteria | 50% attendance, 50% written assignment |
| Homework | |
| Textbook | Introduction to Kansei, Behavioral and Brain Sciences, Research Project of Kansei, Behavioral and Brain Sciences, University of Tsukuba (Ed.), University of Tsukuba Press, 2013 |
| References | |
| Office Hour | By appointment via the EMP office (empkokoro@kansei.tsukuba.ac.jp) |
| Messages for Students | Motivation to learn multi-disciplinary lectures. Basic knowledge of undergraduate levels of biology and psychology is helpful. |
| Teaching Fellow / Teaching Assistant | |
| Keywords | Mind, brain, human, engineering, development, Cognition, Learning, and, Memory, Sleep, Motivation, Emotion, creativity, social, behavior |