

Course	Introduction to Kansei, Behavioral and Brain Sciences for EMP II
Course No.	02RB243
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. (TBA: Detailed class schedule) Classroom: Research Building D116, 117
Graduating Methods and Criteria	50% attendance, 50% written assignment
Homework	
Textbook	1. 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