COURSE DETAIL

PSYCHOLOGICAL SCIENCE OF ADDICTION
Country Korea, South
Host Institution Seoul National University
Program(s) Seoul National University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Psychology
UCEAP Course Number 156
UCEAP Course Suffix
UCEAP Official Title PSYCHOLOGICAL SCIENCE OF ADDICTION
UCEAP Transcript Title PSYC SCI ADDICTION
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course covers neurobiological systems in the brain that are responsible for drug and behavioral addiction, the diverse effects of drug abuse on the brain, and the cognitive neuroscience of addiction and how we can use cognitive neuroscience (including neuroimaging tools) to advance the assessment and/or treatment of addiction.

Addiction is studied at many levels, from how drugs affect neurobiological systems to how psychosocial factors play a role in addictive behaviors. While some people argue that uncontrolled drug use or behavioral problems in addicts is a matter of choice, accumulating evidence suggests that we need to consider addiction as a brain disease like other medical conditions. To better understand addiction and resolve the conflicting views, we need to understand basic animal and human models proposed to account for diverse aspects of drug use, heritability, and basic cognitive neuroscience. Consequently, course readings include chapters and papers on these topics.

Other topics include Neuropsychopharmacology, Animal models of addiction, Types of drugs, Decision-making framework, Neuroimaging & Neural circuits and brain abnormalities in drug addiction, Risk factors, Adolescence and Addiction, Neurocognitive predictors of drug addiction, Behavioral addition, Pharmacological and psychological treatment of addiction.

Prerequisite: Introduction to Experimental Psychology and Experiments

Language(s) of Instruction
Korean

Host Institution Course Number
M0000.020100 001

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Host Institution Course Details

https://sugang.snu.ac.kr
Host Institution Campus
Host Institution Faculty
Host Institution Degree
Host Institution Department
Course Last Reviewed 2025-2026

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