

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

Host Institution Course Title

PSYCHOLOGICAL SCIENCE OF ADDICTION

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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