

COURSE DETAIL

PSYCHOLOGY OF MULTISENSORY INTEGRATION

Country

Italy

Host Institution

University of Bologna

Program(s)

University of Bologna

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

176

UCEAP Course Suffix**UCEAP Official Title**

PSYCHOLOGY OF MULTISENSORY INTEGRATION

UCEAP Transcript Title

PSY MULTISEN INTGRT

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is part of the Laurea Magistrale program. The course is intended for advanced level students only. Enrollment is by consent of the instructor. This course describes and evaluates the results of recent research on multisensory integration. First, the mechanisms underlying multisensory integration are outlined. The course then examines the perception of multisensory events, the advantages afforded by the ability to combine different sensory modalities and the key determinants of intersensory interactions. Another key question addressed is how multisensory interactions are linked to and modulated by attention. The course specifically considers the latest evidence assessing the role of exogenous and endogenous attentional mechanisms on cross-modal processes. In addition, the course also focuses on recent research concerning how multisensory information is used to create multiple spatial representations of our body parts and of the spaces within which they can act. The course reviews how these representations that are used to guide body movements through space show a considerable degree of plasticity. Finally, the course considers how the cortical system for perception may become radically reorganized after sensory deprivation and evaluate this surprising degree of cross-modal plasticity.

Language(s) of Instruction

English

Host Institution Course Number

95700

Host Institution Course Title

PSYCHOLOGY OF MULTISENSORY INTEGRATION (1) (LM)

Host Institution Campus

BOLOGNA

Host Institution Faculty

Host Institution Degree

LM in SEMIOTICS

Host Institution Department

Philosophy and Communication Studies

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