

## COURSE DETAIL

### DEVELOPMENTAL COGNITIVE AND SOCIAL NEUROSCIENCE

**Country**

Italy

**Host Institution**

University of Padua

**Program(s)**

Psychology and Cognitive Science, Padua

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Psychology

**UCEAP Course Number**

157

**UCEAP Course Suffix****UCEAP Official Title**

DEVELOPMENTAL COGNITIVE AND SOCIAL NEUROSCIENCE

**UCEAP Transcript Title**

DEVL COG&SOC NEURO

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course explores the theoretical background of the development of the neural basis of cognitive function, and basic knowledge of neural development of cognitive functions and methods to study the neural mechanism of cognitive development. The course considers questions such as: What is the nature of developmental change? What are the brain mechanisms underlying cognitive, perceptual, social, and emotional development during infancy and childhood? The course evaluates implications of findings from developmental cognitive neuroscience for broader scientific issues including nature vs. nurture, critical periods in development, and the modularity of mental functions. An integral part of the course is careful consideration of the major methods of developmental cognitive neuroscience including functional magnetic resonance imaging (fMRI), recordings of evoked response potentials (ERPs), and behavioral marker tasks. The course devotes particular attention to the unique challenges of applying these methods to the study of infants and children in typical and atypical development. The course requires students to have basic knowledge on general cognitive functions such as perception, attention, language, and memory as a prerequisite.

## Language(s) of Instruction

English

## Host Institution Course Number

PSQ1096320

## Host Institution Course Title

DEVELOPMENTAL COGNITIVE AND SOCIAL NEUROSCIENCE

## Host Institution Campus

## Host Institution Faculty

Psychology

## Host Institution Degree

Second Cycle Degree in Developmental and Educational Psychology

## Host Institution Department

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