



Mercoledì 5 Febbraio 2014

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strutture](#)> [Studiare a psicologia](#)> [Personale](#)> [Comunicazioni](#)> [Documenti online](#)> [Link utili](#)> [Specializzazione](#)> [Bandi](#)[Home](#) / [Offerta formativa](#) / [New concepts in General Psychology](#)**NEW CONCEPTS IN GENERAL PSYCHOLOGY**

M-PSI/01, 6 crediti

Corsi di laurea / indirizzi:

> Lauree magistrali N.O. DM 17/2010 / [Cognitive neuroscience and clinical neuropsychology \(CN2\)](#)

Prof. Camperio Ciani Andrea

Prof. Zorzi Marco

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Inglese

Educational And Training Objectives

The course is divided into two modules. The first module offers an introduction to evolutionary psychology, genetics of behavior and adaptive significance of human behavior. The second module presents an integrated approach to cognition and shows how cognition is shaped by evolution, learning, and culture.

Pre-requisites

A general knowledge of evolutionary theory and biology, introductory knowledge to cognitive neuroscience methods and techniques.

Course content

Module A: Evolutionary Psychology

Evolutionary theory, Darwinism, natural selection and adaptation. Behavioral genetics and behavioral flexibility. Sexual selection, sexual identity, selected cases. Evolutionary psychology and forensic studies. Adaptive significance of selected psychopathologies.

Module B: Learning and Cognition: An Integrated Approach

This approach aims at bridging the gap between various levels of analysis (from neurons to behaviour) and exploits recent advances in the development of formal models. Numerical cognition is used as a case study to show how interdisciplinary research spanning a variety of methods and subject populations offers a coherent and integrated path towards understanding how cognition is shaped by evolution, learning, and culture.

Recommended reading

Module A:

- Buss, David M. Evolutionary psychology: The new science of the mind. Needham Heights, MA, US: Allyn & Bacon. forth edition 2011
 - Selected readings handed in the classroom

Module B:

Reading material will be made available on the course web site.

- Slides of the course

- Scientific articles (provisional list):

Ansari, D. (2008). Nature Reviews Neuroscience, 9, 278-291.

Brannon E. (2006). In: J. Campbell (Ed), Handbook of Mathematical Cognition (chapter 6, pp. 85-107).

Göbel, S.M. et al. (2011). Journal of Cross-Cultural Psychology, 42, 543-565.

Hope, T. H. et al. (2010). Cognitive Science, 34, 406-433.

Hubbard, E.M. et al. (2005). Nature Reviews Neuroscience, 6, 435-448.

Nieder, A., & Dehaene, S. (2009). Annual Review of Neuroscience, 32, 185-208.

O'Reilly, R.C. (1998). Trends in Cognitive Sciences, 11, 455-462.

Piazza, M. et al. (2010). Cognition, 116, 33-41.

Stoianov, I., & Zorzi, M. (2012). Nature Neuroscience, 15, 194-196

Zorzi M. et al. (2012). Frontiers in Human Neuroscience, 6:125.

Teaching methods

Teaching is based on frontal lectures and discussion of selected readings. Attendance to lectures is compulsory and active involvement is promoted. During the course students are required to present and discuss relevant original research.

Assessment methods**Type of examination:** Written with possible oral integration**Written examination:** Multiple choice and open questions**Teaching tools**

Laboratories: i) a field research and questionnaire will be constructed in class; ii) visit to research laboratories will be organized during the course.

Notes

Access to the course web site (<http://docs.psy.unipd.it>) requires registration using a password that will be provided at the beginning of the course (or requested by email to the lecturer).

COMUNICAZIONI AGLI STUDENTI (a cura del docente)

Nessuna comunicazione disponibile.