**Testi del Syllabus**

<table>
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<th>Resp. Did.</th>
<th>BERNARDIS PAOLO</th>
<th>Matricola: 009028</th>
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<tr>
<td>Docente</td>
<td>CHIANDETTI CINZIA</td>
<td>Matricola: 012700</td>
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<td>Anno offerta:</td>
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**Testi in italiano**

<table>
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<th>Lingua insegnamento</th>
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<table>
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<tr>
<th>Contenuti (Dipl.Sup.)</th>
<th>Cognitive Neuroscience (pb module)</th>
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<tbody>
<tr>
<td>PROGRAM</td>
<td>A brief summary of the brain structures, from the neuron to the highly specialized areas of the cortex. An extensive exposition of the cognitive neuroscience methods: electrophysiology, brain imaging, patients' studies, and transcranial magnetic stimulation. The main theories and findings in the fields of high- and low-level vision, space perception, attention, mathematical abilities. The course (4ECTS) will be organized in two parts: 24 Hs of introductory theoretical lectures followed by students' presentation (8 Hs) of scientific papers. Each student will have to orally present to the class a scientific paper in the Journal club format. The papers will be chosen from a selection provided by the teacher during the course. Students are encouraged to use electronic presentations. Students, who didn't have the possibility to present the scientific paper (because abroad), must prepare a critical essay to send by email one week before the examination. For more information, contact the professor by email. The list of papers is available here: <a href="http://www.units.it/bernardis/papers.html">http://www.units.it/bernardis/papers.html</a></td>
</tr>
</tbody>
</table>

| Cognitive Neuroscience (wg module) |
| PROGRAM                           |
Cognitive Neuroscience (pb module)

TEXTBOOK

Cognitive Neuroscience (wg module)

TEXTBOOK
- Gerbino, Achromatic transparency  
- Gilchrist, Perceptual organization in lightness  
- van Lier & Gerbino, Perceptual completions  
- Vezzani, Kramer & Bressan, Stereokinetic effect, kinetic depth effect, and structure from motion

Obiettivi formativi

Cognitive Neuroscience (pb module)

AIMS  
To provide a brain-based account of cognition, and a complete knowledge of the neuroscience methods.

Cognitive Neuroscience (wg module)

AIMS  
To provide a brain-based account of sensation and perception, and to develop practical knowledge of psychophysical methods.

Modalità di verifica dell'apprendimento

Cognitive Neuroscience (pb module)

EXAM  
Written part (50%): 9 open questions  
Oral part (50%): Presentation of a short empirical paper.

Cognitive Neuroscience (wg module)

EXAM  
Written part (70%): 30 closed questions (4 alternatives) and 4 open questions  
Oral part (30%): Presentation of a short empirical research, conducted individually, on a topic included in the program (typically, a reduced replica of an experiment described in the literature). Examples will be provided during lab activities.

Testi in inglese

Lingua insegnamento

english

Contenuti (Dipl.Sup.)

Cognitive Neuroscience ( pb module)  
PROGRAM  
A brief summary of the brain structures, from the neuron to the highly specialized areas of the cortex. An extensive exposition of the cognitive neuroscience methods: electrophysiology, brain imaging, patients’ studies, and transcranial magnetic stimulation. The main theories and findings in the fields of high- and low-level vision, space perception, attention, mathematical abilities.  
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Cognitive Neuroscience (wg module)

**PROGRAM**
Philosophy of perception, psychophysics, psychobiology of sensation and perception.

**Testi di riferimento**

Cognitive Neuroscience (pb module)

**TEXTBOOK**

Cognitive Neuroscience (wg module)

**TEXTBOOK**


  - Gerbino, Achromatic transparency
  - Gilchrist, Perceptual organization in lightness
  - van Lier & Gerbino, Perceptual completions
  - Vezzani, Kramer & Bressan, Stereokinetic effect, kinetic depth effect, and structure from motion

**Obiettivi formativi**

Cognitive Neuroscience (pb module)

**AIMS**
To provide a brain-based account of cognition, and a complete knowledge of the neuroscience methods.

Cognitive Neuroscience (wg module)

**AIMS**
To provide a brain-based account of sensation and perception, and to develop practical knowledge of psychophysical methods.

**Modalità di verifica dell'apprendimento**

Cognitive Neuroscience (pb module)

**EXAM**
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**EXAM**
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