



Pontifícia Universidade Católica do Rio Grande do Sul

FACULDADE DE FILOSOFIA E CIÊNCIAS HUMANAS

PROGRAMA DE PÓS-GRADUAÇÃO EM FILOSOFIA

## SYLLABUS

**COURSE: Introduction to Neurophilosophy IV**

**CODICRED: 71530-03**

**INSTRUCTORS: Professors Nythamar de Oliveira  
& Rogel Esteves de Oliveira**

**CREDITS: 3.0 45 h YEAR/SEMESTER: 2018/2**

**Tuesdays at 9 a.m. Room 212 Building 9 (School of Humanities - PUCRS)**

### **COURSE DESCRIPTION:**

This course will begin with an introduction to neurophilosophy and social epistemology, before proceeding to explore the most recent contributions to Social Epistemology and Neuroethics. No previous knowledge of neurophilosophy or social epistemology is required. All classes, readings and discussions will be conducted in English.

### **OBJECTIVES:**

An introduction to neurophilosophy and social epistemology, and in-depth discussions on major topics and problems of Social Epistemology and Neuroethics.  
Reading assignments and translations from two major contributions to this field:

**Churchland, Patricia. 2011. *Braintrust: What neuroscience tells us about morality*. Princeton University Press.**

**Haddock, Adrian, Alan Millar, and Duncan Pritchard (eds). 2011. *Social Epistemology*. Oxford University Press.**

### **PROGRAMMATIC CONTENTS:**

Introduction to Social Epistemology and Neuroethics.

### **METHODOLOGY:**

This class will be run seminar-style. Students will be encouraged to take part in discussions and present papers or serve as commentators. Student presentations will be similar to our workshop and class presentations, in which a mini-paper about the reading may be presented or an original contributing paper. Afterwards, fellow students will comment on the presentation.

**PUCRS**

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### GRADING POLICY:

Grades are based on point accumulation throughout the fifteen weeks, comprising class participation (by attending classes, raising questions, sharing students' views, insights, comments, and criticisms with classmates), quizzes (multiple-choice or truth/false), short essays and/or a research paper.

### BASIC BIBLIOGRAPHY:

Churchland, Patricia. 2011. *Braintrust: What neuroscience tells us about morality*. Princeton U Press.

Haddock, Adrian, Alan Millar, and Duncan Pritchard (eds). 2011. *Social Epistemology*. Oxford University Press.

### Secondary Bibliography (Neurophilosophy):

Bear, Mark, Barry Connors & Michael Paradiso. 2006. *Neuroscience: Exploring the Brain*. Lippincott Williams & Wilkins. Third edition.

Bickle, John (editor) 2008. *Oxford Handbook of Philosophy and Neuroscience*. Oxford University Press.

Brogaard, Berit (editor). 2014a. *Does Perception Have Content?* Oxford University Press.

Bueno, Otavio and Scott A. Shalkowski. 2015a. Modalism and Theoretical Virtues: Toward an Epistemology of Modality. *Philosophical Studies* Volume 172, Issue 3: 671–689.

Chalmers, David J. 2002. *Philosophy of Mind: Classical and Contemporary Readings*. Oxford University Press.

Changeux, Jean-Pierre & Paul Ricoeur. 1998. *Ce qui nous fait penser. La nature et la règle*. Paris: Odile Jacob. ET: *What Makes Us Think. A Neuroscientist and a Philosopher Argue About Ethics, Human Nature, and the Brain* (Princeton U. Press, 2000)

Changeux, Jean-Pierre. 2005. Creation, Art and the Brain. In: Changeux et al. (Eds.) *The Neurobiology of Human Values*. New York: Springer-Verlag, 2005, p. 1-10.

Changeux Jean-Pierre and Dehaene Stanislas (1989), Neuronal Models of Cognitive Function, *Cognition* 33, pp. 63–109.

Chatterjee, Anjan and Martha J. Farah, editors. 2013. *Neuroethics in practice*. Oxford University Press.

Churchland, Patricia. 2011. *Braintrust: What neuroscience tells us about morality*. Princeton U Press.

Churchland, Patricia S. 1986. *Neurophilosophy: Toward A Unified Science of the Mind-Brain*. Bradford Books. Cambridge, MA: MIT Press.

Churchland, Patricia S. 2002. *Brain-Wise: Studies in neurophilosophy*. NY: Bradford.

Churchland, P. M. 1984. *Matter and Consciousness*. Cambridge, MA: Bradford/MIT Press.

Churchland, P. M. 1994. *The Engine of Reason, The Seat of the Soul: A Philosophical Journey into the Brain*. Cambridge: MIT Press.

Churchland, P.S., and T. J. Sejnowski. 1992. *The Computational Brain: Models and Methods on the Frontiers of Computational Neuroscience*. Cambridge, MA: MIT Press.

Damásio, António. 1999. *The feeling of what happens: Body and emotion in the making of consciousness*. New York: Harcourt Brace.



- Damásio, António. 1994. *Descartes' Error: Emotion, reason, and the human brain*. New York: Putnam.
- Damásio, António. 2010. *Self Comes to Mind: Constructing the conscious brain*. Pantheon.
- Damásio, António. 2003. *Looking for Spinoza: Joy, sorrow and the feeling brain*. New York: Harcourt, Inc.
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- Dehaene, Stanislas. 1997. *The number sense*. New York: Oxford University Press.
- Dehaene, Stanislas. 2009. *Reading in the brain*. New York: Penguin.
- Dehaene, Stanislas. 2014a. *Consciousness and the Brain: Deciphering How the Brain Codes Our Thoughts*. Viking Adult.
- Dennett, Daniel C. 2006. *Breaking the spell: Religion as a natural phenomenon*. Viking.
- Dennett, Daniel C. 1991. *Consciousness Explained*. New York: Little Brown.
- Dennett, Daniel C. 1995. *Darwin's dangerous idea: Evolution and the meanings of life*. New York: Simon & Schuster.
- De Oliveira, Nythamar. 2016a. On Ritalin, Adderall, and Cognitive Enhancement: Metaethics, Bioethics, Neuroethics. *ethic@* 15/2 (2016)
- De Oliveira, Nythamar. 2016b. Revisiting the Mind-Brain Reductionisms: Contra Dualism and Eliminativism. *Veritas* 61/3 (2016)
- De Sousa, Ronald. 1999. *The Rationality of Emotion*. Cambridge, MA: MIT Press.
- De Waal, Frans. 2006. *Primates and Philosophers: How Morality Evolved*. Edited by Stephen Macedo and Josiah Ober. Princeton: Princeton University Press.
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- Farah, Martha J. 2002. Emerging ethical issues in neuroscience. *Nature Neuroscience* 5, p. 1123-1129.
- Farah, Martha J. 2012. Neuroethics: The Ethical, Legal, and Societal Impact of Neuroscience. *The Annual Review of Psychology* 63: p. 571-591.
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- Gazzaniga, Michael S. 2005. *The Ethical Brain*. Dana Press.
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