**Budapest Semester in Cognitive Science (BSCS)**

**Data of courses form**

**Lecturer's name:** John Bickle

**Position:** Professor of Philosophy, Adjunct Professor of Psychology, Affiliated Faculty of Neurobiology and Anatomical Sciences

**Organisation:** Mississippi State University/University of Mississippi Medical Center

**Address:** P.O. Box JS/ Mississippi State University/Mississippi State, MS 39762 USA

**e-mail address:** jbickle@philrel.msstate.edu

**Homepage:** https://www.philosophyandreligion.msstate.edu/faculty/bickle.php

**Title of the course:** Philosophy of Neuroscience

**Detailed syllabus of the course, with topics addressed in each 90 minutes lecture (less than 2 pages): Philosophy of Neuroscience**

**Budapest Semester in Cognitive Science (BSCS)**  
**Fall 2019**

**90-minute lecture topics and readings**

**Lecture 1: Patricia Churchland’s Neurophilosophy (1986)**
An introduction to some of the themes that defined the philosophy of neuroscience from the field’s origins


**Lecture 2: Patricia Churchland’s Neurophilosophy (1986), continued**
Continuation of the introduction to some of the theme that defined the philosophy of neuroscience since the field’s origins


**Lecture 3: Overview of the field since Neurophilosophy**
The main themes that have dominated philosophical reflections in neuroscience since Chuchland’s Neurophilosophy


**Lecture 4: Neuroscience and Reductionism**
Is neuroscience reductionist?

Craver, C.F., Explaining the Brain, chapter 7 (New York: Oxford University Press)
Lecture 5: New Mechanism and Neuroscience, Part I
Initial characterization of the “new mechanist” philosophy of science and its application to neuroscience
Craver, C.F., Explaining the Brain, chapter 1. “Starting with neuroscience”; chapter 4, “The norms of mechanistic explanation”

Lecture 6: New Mechanism and Neuroscience, Part II
New mechanism becomes the dominant perspective in philosophy of neuroscience cira the second decade of the 21st century

Lecture 7: The rediscovery of experiment
Sullivan, J.

Lecture 8: Neuroethics, Neurolaw, and Neuroeconomics

Individual Oral Examinations

Background information on the web (optional):

Short CV (less than half page):
John Bickle, Ph.D.

Current academic appointments:
Professor of Philosophy, Adjunct Professor of Psychology, Mississippi State University
Affiliate Faculty, Department of Neurobiology and Anatomical Sciences, University of Mississippi Medical Center

Previous academic appointment:

Head, Department of Philosophy and Religion, Mississippi State University (August 2009-June 2019)

Associate Professor, Professor (promoted Fall 2002), and Head, Department of Philosophy, University of Cincinnati (September 2000-August 2009)

Professor, Neuroscience Graduate Program, College of Medicine, University of Cincinnati (September 2000-August 2009)

Director, Undergraduate Program in Neuroscience, McMicken College of Arts and Sciences, University of Cincinnati (September 2008-August 2009).

Assistant Professor (Tenure-track), Associate Professor (tenured and promoted Fall 1998), Department of Philosophy, East Carolina University (August 1992-August 2000)

Assistant Professor, Associate Professor, Graduate Program in Neuroscience, Brody College of Medicine, East Carolina University (August 1997-August 2000)

Education

B.A. Philosophy and Psychobiology, University of California, Los Angeles (UCLA), awarded June 1983

M.A., Ph.D. Philosophy (concentration: philosophy of science, neuroscience), University of California, Irvine, M.A. awarded June 1985, Ph.D. June 1989

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<th>Important publications (5-10):</th>
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<td><strong>Books (4)</strong></td>
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<th>Edited Volumes (1)</th>
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<th>Recent Papers (6)</th>
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2019

2018

“From microscopes to optogenetics: Ian Hacking vindicated.” Philosophy of Science 85/5: 1065-1077, 2018

Anything else (course requirements, readings list, etc):