This course will review historical and contemporary attempts to bridge psychoanalysis and neuroscience, beginning with the early foundations of neurology in Freud’s theory, and extending to modern theories including those of Allan Schore, Mark Solms, Joseph Palombo, and Daniel Stern. The course will focus on three key concepts: empathy, memory, and sense of self. The collapse of Freud’s attempt to bridge neurology and psychology left a legacy of dualism that remains with psychoanalysis and much of psychology today—a dualism that was absent from Freud’s earlier neuropsychological work. Spanning Freud’s neuropsychological and psychoanalytic theories is a methodology based on the detailed analysis of single or small series case reports; a method that remains at the heart of many critical historical shifts in both psychoanalysis and neuropsychology. Intrinsic to this method is an effort to make sense of individual experience. This seminar explores the issues and problems inherent in bridging psychoanalysis and neuroscience by examining single case reports, together with supporting theoretical articles, derived from the work of theorists who have been active in attempts to bridge psychoanalysis and neuroscience. In addition, several recent works by neuroscientists that examine empathy, memory, and sense of self will be examined. What, if anything, do neuroscience concepts contribute to psychoanalytic case formulation? Is the reductionism implicit in neurobiological theories fundamentally at odds with the experiential foundations of self psychology and intersubjective theory.

Objectives:
1. Review historical and contemporary theories bridging psychoanalysis and neuroscience.
2. Review case studies from the published literature and as presented by seminar participants that encompass issues that span both neurobiology and psychoanalysis.
3. Provide a conceptual framework for examining the relevance of psychoanalysis for the treatment of individuals traditionally managed within a neurological or medical framework.

Optional purchases:


* Article found on PEP (www.pep-web.org)

**Week 1: April 4, 2013**

Introduction: Strategies for Bridging Psychoanalysis and Neuroscience


Insight: The Quest to Understand the Unconscious in Art, Mind, and Brain, from Vienna 1900 to the Present. Chapter 6, New York: Deckle-Edge.


Optional:

(Optional purchase) Brain Model & Puzzle: Anatomy & Functional Areas of the Brain (Norton Series on Interpersonal Neurobiology) - Norton Professional Books


**Week 2: April 11, 2013**
Trauma, Social Exclusion, and Depression J Case Presentation


**Week 3: April 18, 2013**
Psychoanalytic Meaning in Neurological Syndromes


Optional:


**Week 4: April 25, 2013**  
Empathy, Mirror Neurons, and Theory of Mind


**Optional:**


**Week 5: May 2, 2013**  
Conceptualization of Memory in Psychoanalytic Case Presentations


**Optional:**

**Week 6: May 9, 2013**  
Schore and his Critics


**Optional:**


**Week 7: May 16, 2013**
Neurodevelopmental Psychoanalytic Approaches: Palombo and Stern


**Optional:**