Psychology 193: Neuroscience, Psychology, and Pharmacology of Antiquity. This course will be a survey of medicine and pre-psychology relating to neuroscience of antiquity, ranging from the time of Homer, Hippocrates, Aristotle, Dioscorides, and finally Galen, all of whom were keenly involved with the subject matter. Special attention will be paid to the history of opium use, conceptions of neurological and mental illness, and the large pharmaceutical encyclopedia of Dioscorides, which remained in use for more than one thousand years.

UNIVERSITY OF CALIFORNIA, SAN DIEGO, PSYC 193GS
NEUROSCIENCE, PSYCHOLOGY, and PHARMACOLOGY of ANTIQUITY
(An introduction to classical pharmacology and neuroscience)
SYLLABUS, PSYC193GS (version of DD/MM/201Y)

Instructor: Professor Stephan G. Anagnostaras
Office: Location (stephana@ucsd.edu phone: xxx)
Office Hours: XXX
Lecture: Mon & Wed, 10:30 – 1 pm, LOCATION Discussion and Review: Mon & Wed 2-3 pm
Readings: a large number of readings will be available at Ted.ucsd.edu.

Webpage: Class announcements, updated syllabi, sample test questions, relevant links, and extensive and complete Powerpoint lecture material for downloading will be available on TED.

Exams and Grading: The course grade will be based on the outcome of two short in-class exams (multiple choice questions). Exams 1-2 will be 35 questions each, worth 35 points each, and non-cumulative. Exams will be taken on Ted, will be open book, and can be taken during class. A specified window of about 24 hours will be given (starting with scheduled class time) and within that window you will have 2 hours to complete each exam. Students will also complete 2, 5 page, “monographs” describing a conception of disease and/or treatment of antiquity which will be worth 30 points each. These monographs will be “presented” using powerpoint in discussion. These presentations are worth 10 points each. The total number of points 150 (2 exams = 70 points plus 2 monographs = 60 points plus 2 presentations = 20 points). Grades will be based on a generous curve. However, if you skip any exams without proper excuse, or are found to be cheating on any part of the course, you will automatically receive an F for the course grade. Cheating on on-line exams will be strictly enforced through a highly effective algorithm and will be prosecuted through the official UCSD process – Don’t do it.

TENTATIVE LECTURE TOPICS AND SCHEDULE
(Readings are listed below)

Week 1
Mind, Brain, and Epistemology of Ancient Greece
Class overview
A brief history of ancient medicine
Mind, Brain, and Humoral Theories of Behavior
Neurology and Psychiatry of ancient Greece (focus on depression and madness)

Week 2
Pharmacology of ancient Greece
Ethnopharmacology and pharmacognosy, an overview
An overview of de Materia Medica and its origins
Monograph 1 due

Week 3
Specific treatments for pain, overview of the history of opium
History of opium use continued
Specific treatments for epilepsy and psychiatric ailments
EXAM 1

Week 4
Specific pharmacology of selected drugs still used today
Poisons and Medicines in magical thinking and rituals, their relation to actual treatment
Asclepiades

Monograph 2 due

Week 5 Dietetics, Energetics, and Sport in Health, from Delphi to the Olympics
Surgery and direct interventions in Neurological and Psychiatric ailments
Retrospective evaluation of the psychology, pharmacology, and neuroscience of antiquity: how does it hold up today?

EXAM 2

Selected Readings (draft)

Week 1
Crivellato & Ribatti *Soul, mind, brain: greek philosophy and the birth of neuroscience.* (journal article)
Prioresschi *Experimentation and Scientific Method in the Classical World: Their Rise and Decline* (journal article)
Farah & Feindberg *A historical perspective on cognitive neuroscience.* (book chapter)
Evans *Searching for schizophrenia in ancient Greek and Roman literature: a systematic review* (review)
Gross *Early History of Neuroscience* (book chapter)

Weeks 2-4
De Pasquale *Pharmacognosy: the oldest modern science.* (review)
The Herbal of Dioscorides the Greek (1000 + page volume, available as 5 pdfs – we will use the introductory chapter in full and selected items)
Rosso (2010) *Poppy and Opium in ancient times: remedy or narcotic.* (journal article)
Homer, *The Odyssey* (selected portions)
Askitopoulou, Ramoutsaki, & Konsolaki *Archeological evidence of opium use in the Minoan world.*

Week 4-5
Scarborough *Galen on Pharmacology* (selected chapters – original text translations)
Grammaticos, Diamantis *Useful known and unknown views of the father of modern medicine and his teacher Democritus.*
Papavramidou, Papavramidis, Chrisopoulou-Aletra *Galen on obesity: etiology, effects, and treatment*