

Sophomore Seminar Syllabus
Neuroethics: Neurotechnology, Free Will and the Privacy of Human Thought
Stanford University

Instructor:	Judy Illes, Ph.D., Senior Research Scholar, Stanford Center for Biomedical Ethics and Department of Radiology	
Schedule:	3 hours per week, Winter quarter	
Week 1:	21 st Century Neuroethics (Roskies, A. [2002]. Neuroethics for the new millennium. <i>Neuron</i> , 35, 21-23; Decade of the brain gives rise to new neuroethics. <i>Medical Ethics Advisor</i> , June 2002.)	
Week 2:	Emerging ethical, legal, and social issues in functional neuroimaging (Illes et al., <i>Nature Neuroscience</i> , 2003; Illes, <i>AJOB</i> , under review)	
Week 3:	Lie detection and false memory (Lee, T.M. et al. [2002]. Lie detection by functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 15, 157-164; papers by Schacter; brain “fingerprinting”, Illes “A Fish Story, 2004)	
Week 4:	Cognitive enhancement (President’s Bioethics Council Report, www.nyas.org/neuroethical.challenges , Farah, Illes et al., <i>Nat. Rev. Neuroscience</i> , in press)	
Week 5:	Cognitive responsibility and criminal behavior (papers by Winslade, Buchsbaum)	
Week 6:	Psychiatric treatment and free will; addiction and addictive behaviors	
Week 7:	Neuroethical challenges in pediatric imaging: Predicting developmental outcome	
Week 8:	Parenting: Rights and responsibilities of couples in a new age of fertility (Relevant segment from film by Noel Schwerin: “Bloodlines: Technology Hits Home”)	
Week 9:	Aging in health and disease: moral agency, choice, public health (papers by Jaworska [possibly also guest speaker])	
Week 10:	Summing up: New frontiers	
Class Presentations:	In Weeks 3-9, students will prepare a 20-30 minute presentation for the group that lays the groundwork for discussion and debate.	
Student Evaluation:	Class participation	40%
	Class presentation	40%
	Short paper on neuroethics topic of interest	20%