

		<u>UNC-CH SILS 490(40), Spring 2013</u> <u>What Is Information</u>
Topic	Reading and Assignment Date	Source (To be read BEFORE the class session)
Introduction	Wed Jan 9	Losee, Information From Processes at http://InformationFromProcesses.org (IFP), 2011, Introduction, Chapter 7
Information, Processes, and Communication	Mon Jan 14	IFP, Chapter 1 through Section 1.5
Hierarchies and Processes	Wed Jan 16	IFP, Section 1.6 through end of Chapter 1. Reading Assignment 1 Due.
Functions and Processes	Wed Jan 23	IFP, Chapter 2 through Section 2.3
Decidability, What Information Can be Produced?	Mon Jan 28	IFP, Section 2.4-2.6
Maxwell's Demon	Wed Jan 30	IFP, Section 2.7-2.8
Reversibility	Mon Feb 4	IFP, Section 2.9
Quantum Information	Wed Feb 6	IFP Section 2.10
Complexity	Mon Feb 11	IFP, Section 2.11
Channels	Wed Feb 13	IFP, Section 2.12 & 2.13, Shannon's " <i>Mathematical Theory of Communication</i> ", Beginning through Section 4, Sections 11 & 12, skip math that seems hard.
Encoding, Errors, and Compression	Mon Feb 18	IFP, Chapter 3 through Section 3.4
Secrecy	Wed Feb 20	IFP Section 3.5, skim Shannon's " <i>Communication Theory of Secrecy Systems</i> "
MetaInformation and Organizing Information	Mon Feb 25	IFP Sections 3.6 through end of Chapter 3
Optimality	Wed Feb 27	IFP Chapter 4 through Section 4.2
Evolution	Mon Mar 4	IFP Section 4.3 & 4.4
Self-organization	Wed Mar 6	IFP Section 4.5
Improvement and Logic	Mon Mar 18	IFP Section 4.6 through 4.7
Quantitative Information Reasoning	Wed Mar 20	IFP Section 4.8 through end of Chapter 4
	Wed Mar 20	<u>The Probabilistic Mind, Science News, Oct 8 2011</u>
Perception and Observation	Mon Mar 25	Chapter 5 through Section 5.2. Reading Assignment 2 Due.

Language and Reference	Wed Mar 27	Section 5.3, Frege's " <i>On Sense and Reference</i> "
Abstract and Ideas	Mon Apr 1	Section 5.4 through 5.5
Truth and Justification	Wed Apr 3	Section 5.6 & 5.7
Knowledge	Mon Apr 8	Section 5.8 through end of Chapter, Gettier " <i>Is Justified True Belief Knowledge?</i> "
Utility and Decisions	Wed Apr 10	Chapter 6 through Section 3.4
Games	Mon Apr 15	Section 6.5
Strategies	Wed Apr 17	Section 6.6
Representation, Adverse Selection and Moral Hazard	Mon Apr 22	Section 6.7 through 6.9
Signalling and Cooperation	Wed Apr 24	Sections 6.10 through end of Chapter
	Wed Apr 25	