	Lecture 7A: **Overview of main themes** **Titles of the video lectures:**	**Readings after video lecture (= preparation for tutorial)**
7.1	Overview: A schema on the line of argument in this course – Theme 1: Science produces true knowledge & why should we accept knowledge?	Ladyman: Ch. 4 (Ch 5 –voluntary) Slides + notes of class 6/7 Peter Dear Crosby Smith Assignment 3
7.2	Overview: A schema on the line of argument in this course – Theme 2: Objectivity and rationality of Science	
	Lecture 7B: Kuhn versus Traditional View **Titles of the video lectures:**	
7.3	Introduction: The question that Kuhn asked in "The Structure of Scientific Revolution", and the societal context which made that Kuhn's ideas have had an enormous impact.	
7.4	The Copernican revolution as a metaphor for a paradigm shift (a new world view), and as an example of a scientific revolution http://www.astronomy.ohio-state.edu/~pogge/Ast161/Movies/ptolcoper.mov	
7.5	Kuhn's critique on Logical Positivist's and Popper's traditional picture of science. Part 1: Cumulative growth; Unified Science; Science is value free.	
7.6	Kuhn's critique on Logical Positivist's and Popper's traditional picture of science. Part 2: Distinction between discovery and justification	
7.7	After a scientific revolution the abandoned theory seems irrational as it involves a paradigm-shift. What is a paradigm shift?	
7.8	Kuhn's critique on Logical Positivist's and Popper's traditional picture of science. Part 3: Distinction between observation and theory	
7.9	Kuhn's critique on Logical Positivist's and Popper's traditional picture of science. Part 4: Kuhn rejects that theories can be confirmed(or verified), and argues that the meaning of scientific concepts change in a paradigm-shift.	