Dr. Vural Başaran

Phi 104

The Birth and Growth of Scientific Thoughts in Ancient Periods

Week 1: The roots of science (Tools and toolmakers)

Week 2: The reign of the farmer

Week 3: Rising the river valley civilizations

Week 4: Ionia and awaking

Week 5: Pytagoras of Samos

Week 6: Philolaus and Central Fire

Week 7: Mid-term exam

Week 8: Sun-Centred universe and Aristarchus

Week 9: Plato

Week 10: Aristotle

Week 11: The universe of the schoolmen

Week 12: Summary

**Required Text**

Arthur Koestler, *The Sleepwalkers: A History of Man's Changing Vision of the Universe*.

James E. McClellan III and Harold Dorn, Science and Technology in World History.

**Exams:**

There will be one homework for mid-term exam and one homework for the final exam.