

ANKARA UNIVERSITY
Department of Philosophy

PHI203 – SCIENCE IN MEDIEVAL CIVILIZATIONS

Lecturer: Ömer Faik ANLI, Ph.D., Associate Professor

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Course Schedule: Wednesday, 14:45-17:00

Office Hours: Wednesday 13:30 – 14:00 by appointment

Class room location:

Course Description and Objectives

What are the foundations of Western science? This lecture/course examines the theories, experiments, and calculations of medieval European scientists before the Scientific Revolution of the seventeenth century. As well as considering the work of the major contributors to astronomy, natural philosophy, and medicine in this period, this course will trace their ideas and the work of the schools of Rome, and medieval Europe within their social, religious, cultural, and intellectual contexts.

Lesson / Week 1	Introduction: Science and Middle Ages
Lesson / Week 2	High Middle Ages
Lesson / Week 3-4	Impact of the Condemnation of the Aristotle's Works
Lesson / Week 5	Development of Mathematics and Physics
Lesson / Week 6	Medieval Scientific Revolution: Myth or Reality?
Lesson / Week 7	Classical Astronomy
Lesson / Week 8-9-10	Natural Philosophy and Religion Galileo: A Philosophical Symbol

Lesson / Week 11-13	Jean Buridan Nicole Oresme Roger Bacon
Lesson / Week 14	Natural Philosophy in the Renaissance Old Cosmologies, New Cosmologies

Recommended Reading

Crombie, A.C. **Science, Art and Nature in Medieval and Modern Thought**, The Hambledon Press.

Kuhn, T.S. **The Copernican Revolution -Planetary Astronomy in the Development of Western Thought-**, Harward University Press.

Student Responsibilities:

You are expected to complete the assigned readings before class. The class will require your active participation.

Course Evaluation Criteria:

Students are expected to attend at least 70% of the course during the semester.

Calculation of the total grade of the course:

Midterm Exam: 30%

Final Exam: 80%