Course Description: Through readings, class discussions and brief written assignments, this course will provide a philosophical account of the nature of change, including classical insights (Aristotle, Aquinas) and contemporary issues in cosmology, the methods of science and philosophy, the nature of causality, time and infinity.

Goals: Students will acquire a fundamental knowledge of the Aristotelian-Thomistic account of nature including its roots in classical Greek philosophy and possible applications in contemporary science. They will also acquire a basic grasp of the relationship between philosophy and empirical science.

Outcomes: Students will be able to explain the Aristotelian-Thomistic account of substance, change and causality. They will be able to explain the philosophical problematic which gave rise to this account and to apply it to contemporary issues regarding the unity of substances (dualism) and the nature of scientific law. They will also be able to discuss the relationship and influence of philosophy upon science and vice versa (Burtt, Kuhn, Thomas Aquinas). This will be demonstrated in the weekly papers and finals essays or research paper.

Course Time Composition: Due to the COVID-19 pandemic, this course is being offered online. One sixty-minute asynchronous session per week, comprising reading of the assigned section of the professor's textbook and responding (via Moodle) to the weekly questions. Two sixty-minute synchronous sessions per week on Zoom (separated by a fifteen-minute break to avoid Zoom fatigue), comprising lecture/discussion of the weekly subject matter. Students should also expect to spend an additional six hours per week in personal study and reflection on the weekly readings and other assessment requirements for the course.

Course Modality: Asynchronous reading and Moodle assignment: 35%
Synchronous Zoom lecture/discussion meeting: 65%

Sep. 14 Introduction
Sep. 21 Change in the Pre-Socratics
   M. Dodds, The Philosophy of Nature, 1-4. [This assignment is also posted on Moodle.]
   M. Nahm, Selections from Early Greek Philosophy, 31-45, 62-77, 87-103
   Aristotle, Physics I, c. 1-2.
Sep. 28 Responses to Parmenides & principles of change
   M. Dodds, The Philosophy of Nature, 5-17
   Aristotle, Metaphysics, Book I, c. 6 and 9.
   Aristotle, Physics Book I, c.3-9.
   Thomas Aquinas, Commentary on the Physics I, lecture 14.
Oct. 5 Primary matter and substantial form
   N. A. Luyten, "Matter as Potency"
Oct. 12 Substantial form and nature
   W. Wallace, "Nature as Animating"
ASSIGNED READINGS:


The other readings are available through Moodle.
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**BIBLIOGRAPHY**

A bibliography for the course may be found on the moodle website.

**STRUCTURE:**

The structure of the class is lecture/discussion. Active participation is expected, and this presupposes a careful reading of the assigned texts.

**WEEKLY QUESTIONS:**

To help focus the class in reading the texts, I will give a few questions each class which deal with the weekly reading assignment. These assignments not be graded as such, but their absence will have a negative effect on your grade. You should write a brief (50-70 word) response to each question. The response is not meant to be exhaustive, but only to indicate a few principles or points that would be involved in answering the question. Alternatively, you may be asked to formulate one or two questions of your own regarding a certain text. Your responses should be turned in each week on Moodle by the date of the class meeting for which they are assigned.

**ASSESSMENT:**

Students will be graded on class participation and completion of written assignments (30%) and:

**EITHER:**

A 15-20 page term paper due on December 18 (70%). This option is recommended for DSPT MA Philosophy students. The paper may be used to fulfill the "Research Paper Review" requirement by submitting the proper form with the paper. **A title and brief description of the paper (200-300 words) will be due on Nov. 2.**

**OR**

Three 4-5 page essays on assigned topics (70%). This option is recommended for students who may be new to philosophy or to the Aristotelian-Thomistic tradition. These will be due on November 2, November 23, and December 18. (With the permission of the professor, you may write on a topic other than the assigned one.)

Grades are based on the quality of student work, demonstrating both clearness of expression and mastery of essential concepts, and (for the research paper) evidence of research skills. Work is also evaluated in terms of the institutional goals of the school. For these, see page 1 of the DSPT Student Handbook [http://www.dspt.edu/files/Student_Handbook.pdf].

**TECHNOLOGY REQUIREMENTS:** All students should have access to technology sufficient to complete the course successfully. This includes a computer, laptop, or tablet, with webcam & microphone, with an updated operating system (Windows, Mac, Linux) and an updated internet browser (Chrome, Firefox); high speed internet bandwidth (preferably 10 mbps or greater but at least 3 mbps); Zoom and Moodle software, and the ability to use them. If students experience any difficulties with Moodle, Zoom, or other technology, they can contact Moodle support at moodle@gtu.edu. Students will receive a response within 24 hours.