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1. UGFH🡪 UGFN
2. Please update to the new version:

本科目是关于自然科学的智性探索，包括基础的两个领域：物理科学与生命科学。古希腊哲人开展了以理性探索物理世界和生命世界的传统，为现代科学奠定了基础。这种对大自然的寻问带来反思，反思人类对大自然的理解以及他们在自然中的地位。 一些影响深远的文献记载了伟大科学家的文字和故事。学生从这些文字和故事能概括地了解科学概念、科学方法，以及科学家如何联系学术追求与当代生活，从而建立对科学议题的看法。老师将选辑一系列篇章，供学员阅读和分析。这些篇章涉及哲学、科学及其历史等不同范畴。本科着重提升同学读原典、论原典的能力。同学须发挥批判思维，就指定篇章进行深入讨论，并提交论文，表述个人反思和分析的结果。学员透过这些学习活动，应能培养学术能力与学术热诚，将来继续与科学文本对话。

This course is an intellectual pursuit across various natural sciences including the two most fundamental ones, physical and biological sciences. Ancient Greek philosophers took the lead in exploring the physical world and the world of life with reason and hence laid the foundations of natural science. This human enquiry into Nature leads to a reflection on the human understanding of Nature and the humans’ place in Nature. From the writings and stories of great scientists selected from influential literatures, students can gain a general understanding of the concepts and methodology of science, and of how scientists relate their academic pursuit to contemporary life, thereby developing their own perspectives on scientific issues. Students will be required to read, discuss and write about a wide range of texts in philosophy, science and its history. Emphasis will be placed on students’ capacity to respond critically to these texts in written as well as oral presentations. Through these learning activities, students are expected to develop a lifelong capacity and enthusiasm to continue such dialogues with science texts in the future.

1. 課程安排 🡪 課程安排（暫定）

For different teachers may have slightly different teaching orders, we propose to make it a tentative schedule.

1. Please modify the schedule according to this year’s arrangement. (Class time: Jul. 21 – Aug. 1, Paper due date: Aug. 8)
2. The assessment arrangement will follow what proposed on course proposal:

Classroom discussion (26%), Quizzes (24%), Written Assignment (50%)

1. I would suggest the reading list to be given in English because we have both English and Putonghua classes and all reading materials are provided in English.

**Part I. Human Exploration of the Physical Universe**

1. Plato. Republic.

2. Newton, Isaac. The Principia: Mathematical Principles of Natural Philosophy.

**Part II. Human Exploration of the World of Life**

3. Darwin, Charles. On the Origin of Species.

4. Watson, James D. with Andrew Berry. DNA: The Secret of Life.

**Part III. Our Understanding of Human Understanding**

5. Poincaré, Henri. Science and Method.

6. Kandel, Eric R. In Search of Memory: The Emergence of a New Science of Mind.

7. Ronan, Colin A. The Shorter Science and Civilisation in China: An Abridgement of Joseph Needham’s Original Text. Vol. 1.

8. Leopold, Aldo. A Sand County Almanac and Sketches Here and There.