



## The Second Course on Science Matters Humanities, Science & Scimat

This course will take place at Science Matters Center in Cascais. It has got 24 hr (4 weeks/6 hrs per week) with the following schedule:

**Abril 2018 (days):**

11/14/18/21/28 – 3.0 hr/day

**Mai 2018 (days):**

2/5/9 – 3.0 hr/day

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### 【 Course contents 】

- 1 **Introduction** (motivation)
- 2 **Humans** (from Big Bang to life on Earth; evolution; human body; neuroscience.)
- 3 **Knowledge, Nature, Science and Scimat** (two kinds of knowledge: human independent and human dependent; idea of Nature; idea of science; scimat the new discipline; science and scientist defined)
- 4 **Science and Scimat, Again** (science in a nutshell; how science was and is done: simple systems and complex systems; time evolution of scientific process and scientific results; essence of science; reality check; scimat implications)
- 5 **History** (what is history; methods to study history: empirical, phenomenological and bottom-up approaches; history in the future)
- 6 **Arts** (Origin of arts; nature of arts: applied arts and pure arts; five criteria of pure arts; arts as science matters; arts and science)
- 7 **Philosophy** (historical developments; consistency with existing science; neurophilosophy; experimental philosophy)
- 8 **How to do good research and to write a scientific article in English.**

**Cascais, 16 May 2018**

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**Prof. Dr. Maria Burguete**  
(Chair of Science Matters Conferences)

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**Prof. Dr. Manuel Bicho**  
(Institute Director)