



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

This course will take place at NOVA SBE SCHOOL in Carcavelos. It has got 24 hr (4 weeks/6 hrs per week) with the following schedule:

**Abril 2019 (days): 06/13/20/27 – (10-13) -(14-17)hr**

### [Course contents]

1. Introduction (motivation)
2. Humans (from Big Bang to life on Earth; evolution; human body; scientist defined)
3. Science and Scimat.
4. Science and Scimat, Again (science in a nutshell; how science was and is done: simple systems and complex systems; 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 (consistency with existing science; neurophilosophy)
8. How to do good research and to write a scientific article in English

Cascais, 18 May 2019

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

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Prof. Dr. Manuel Bicho  
(Institute Director)