

ESE243 Science Humanities (과학인문학)

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withBasics.org (which you may refer to, for classes)

Course description:

This course starts from being interested in crisis of our planet from the climate change and with problems in our society. We understand we have been doing our best to deal with the issues in scientific and political ways but those seem to come up with something ineffective. Thus, I suggest we discuss in somewhat different ways, including both science, arts, and humanities. I would have subtopic of 'Science Walden' that we are performing the project, with the problems of our era, including climate change, inequality, and economic dilemma. We bring issues and even philosophy of "Money and/or Capital" into our discourse with many different thinkings, from confucian to metamodernism, in science, engineering, and arts.

Grading: presence 10%, weekly report/corresponding presentation 20%, (team) term project 20%, mid-term 15%, final exam 15%, class game participation 20% (each percentage may vary with 10%)

Noticement: Sometimes, you are asked to present your weekly report every week, which is subjected to be evaluated by the classmates.

Class Game: A class game is to be operated between classmates with some designs of sign (such as alternative currency), based on communication. The results with ends and activities will be evaluated to be graded.

1st week: Can we tell people into efforts to solve problems that we made?

1st week: What is social system? Are we OK?

2nd week: Social Physics

2nd week: What is value, and how to produce values?

3rd week: Is there any good capital? Let's talk on Money (or Cash or Capital)

4th week: What is Circular Economy? What is money anyway?

5th week: Order or Chaos

6th week: What is Art as compared to Science?

6th week: What is Meta-modernism over post-modernism in Arts and Science

7th week: Mid-term exam.

8th week: What is Nature and Ecology?

8th week: Is Environmental Engineering still Promising?

9th week: Environmentalism
10th week: Lives on the move
11th week: Behaviorism and N- (or digital) generation
11th week: Waldens: 1st, 2nd, and 3rd Walden
12th week: Pragmatism
12th week: Truth telling with courage
13th week: Great learning and Doctrine of Mean; what is learning and teaching
13th week: Game theory
14th week: Presentations of (team) project
15th week: Presentations of (team) project
16th week: Final examination

Texts:

Social Physics: how social networks can make us smarter (2015), by Alex Pentland
Ecological Communication (1989), by Niklas Luhmann
The Ecological Thought (2010), by Timothy Morton
Creating Wealth: growing local economics with local currencies (2011), by Gwendolyn Hallsmith & Bernard Lietaer
Mobile Lives (2010), by Anthony Elliott and John Urry

References:

Metamodernism: Historicity, Affect and Depth after Postmodernism (2017), edited by Robin van Den Akker, Alison Gibbons and Timotheus Vermeulen
The Social Life of Money (2016), by Nigel Dodd
We Haver Never Been Modern (1993), by Bruno Labour
Human Dignity (2011), by George Kateb
About Behaviorism (1976), by B.F. Skinner
What is called thinking? (reprinted 2004), by Martin Heidegger
The Courage of Truth (2011), by Michel Foucault
The Order of Things (1994), by Michel Foucault
Reinventing Organisations: An illustrated invitation (2016), by Frederic Laloux