

Institutional Management of Technology No.1 and No.2. (SIMOT-1 and -2)

I. Objectives

This is the core course as part of the strategic education and research program in the 21st Century COE, “The Science of Institutional Management of Technology: SIMOT.” The SIMOT is aimed at elucidating the co-evolutionary mechanism between innovation and institutional systems (or social soil for nurturing innovation).

During the course, students are exposed to intangible “system”, “subtlety” of the real world co-evolution dynamism between innovation and institution (particularly, co-evolution unique to Japan) and its “pitfalls” experienced and sensed by incumbent business leaders or co-evolutionary workings as seen from different academic disciplines. Students are expected to understand and digest the workings of the dynamism and attempt to systematize, visualize and operationalize it.

The course contents are requisite for future SIMOT researchers and business leaders, being primarily designed for doctoral students. If there are too many prospective students, doctoral students studying subjects/fields with certain relevance to industrial engineering & management and/or MOT are given priority and/or a selection may take place.

SIMOT-1 is relatively more theory-oriented and SIMOT-2 is more practical application-oriented. It is recommended that SIMOT-1 be taken prior to SIMOT-2. But the course is so constructed that SIMOT-2 could be taken first without serious inconvenience.

Lunch time will be used as supplementary time and students are expected to be so prepared.

II. Contents

1. }
2. }
3. } Basic concepts, applications and approaches of SIMOT
4. }
5. }
6. }
7. }
8. } About 15 real-world cases and perspectives from different academic disciplines
9. }
10. }
11. }
12. }
13. } Colloquium (presentation and intensive Q&A)
14. }