

## COURSE DETAIL

### SMART CITY, SCIENCE, TECHNOLOGY, INNOVATIONS AND INTERNATIONAL DEVELOPMENT

**Country**

Korea, South

**Host Institution**

Seoul National University

**Program(s)**

Seoul National University

**UCEAP Course Level**

Graduate

**UCEAP Subject Area(s)**

International Studies

**UCEAP Course Number**

202

**UCEAP Course Suffix****UCEAP Official Title**

SMART CITY, SCIENCE, TECHNOLOGY, INNOVATIONS AND INTERNATIONAL DEVELOPMENT

**UCEAP Transcript Title**

SMRT CTY TECH&INNOV

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

**Course Description**

This graduate course examines how and why global development and international inequality can be shaped by the mega trends of science and technology innovations. Recent examples include the advent of artificial intelligence and smart cities utilizing big data. Understanding science and technology innovations affecting the fundamental modes of human life provides us with a radar for the uncertain direction of the future development of human society. This course examines the nature and causes of co-evolution between the innovations of science and technology and the socio-economic development and their consequences on global as well as national development.

This class consists of ten sessions of lectures and five sessions of group presentation. After learning core materials of empirics and theories regarding the co-evolution of science, technology, and socio-economic development from the lecture sessions, students present a research project applying the learnings to the contemporary global or national development issues with specific policy suggestions. The scope of research projects is wide open from the traditional development agendas of urbanization or structural transformation to cutting-edge agendas of smart city design or socio-economic impacts from AI. Each presentation group is required to write a policy report which puts their presentation in a dialogue with ideas and topics from the course readings and lectures.

**Language(s) of Instruction**

English

**Host Institution Course Number**

M3311.001500

**Host Institution Course Title**

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## Host Institution Course Details

<https://sugang.snu.ac.kr>

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

**Course Last Reviewed**

2025-2026

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