Experience of SSP15

Space Studies Program 2015 (SSP15)
International Space University

Saho Yajima
Tohoku University
About ISU

• Lecturer: professional of each field
• strong network in space fields
About ISU

Main Program of ISU

Mater of Space Studies (MSS) 1-2 years

Space Studies Program (SSP) 9 weeks

SSP15
(2015.6.6-8.7)

Athens, Ohio, US
3 ”I”s of ISU

International  Intercultural  Interdisciplinary
3 “I”s of ISU

International  Intercultural  Interdisciplinary

99 participants from 26 countries (SSP15)
3 “I”s of ISU

International  Intercultural  Interdisciplinary

Culture Night
3 "I”s of ISU

International  Intercultural  Interdisciplinary

7 departments

- Space Engineering (ENG)
- Space Sciences (SCI)
- Human Performance in Space (HPS)
- Space Applications (APP)
- Space Management and Business (MGB)
- Space Policy, Economics, and Law (PEL)
- Space Humanities (HUM)
Core lecture

Learning basic knowledge of each departments
Core lecture

My strongest motivation:
Learning Policy, Economics, and Law aspects
difficult to learn in Japan

Core Lecture

60%
Already known

- Engineering
- Space Sciences
- Human Performance in Space

40%
New

- Policy, Economics, and Law
- Space Applications
- Management and Business
- Humanities

Made basic knowledge “interdisciplinary”
Department Activity

Learning a bit deeply about one department with hands-on activities

**PEL** (Policy, Economics, and Law)

Simulation
- Making “Mars Treaty”
- Court of Accident during Space Travel
- Making business model
  etc.

Individual project

Learned how Law or Policy works
Team Project

Learning to use interdisciplinary knowledge and work in international team

Vision 2040

Forecast futures and make strategy for ISU
Team Project

At the first...
Just a student...
Major not related to space...
Poor English...
How can I commit...?

During the TP...
- Proposal of base idea of strategy
- Making presentation material
- Learning how to have confidence
   Started to have confidence
Team Project

Talk about strategy as one of the presenter

Succeeded to make everyone surprised
After SSP

STEAM education
(Science Technology Engineering Art Math)

http://www.steamakers.co/
Learning outcome

Culture Night
• Culture of other country

Core lecture
• Basic knowledge of each department

Department Activity
• How law or policy works

Team Project
• How to work in international team
• Having confidence
What I got in SSP15

• Knowledge of space or space development
• English
• Culture of other country
• Having confidence

• Good friends
• Access to strong network of Space field
• Trying new things
• Recovering motivation of STEAM education
• Some specific skill (making game, video, martial arts...etc.)
Thank you for your attention!