

# Urban Analysis of Sendai city with GIS

Contact : Prof. Michio UBAURA

(International Research Institute of Disaster Science)

e-mail: [ubaura@tohoku.ac.jp](mailto:ubaura@tohoku.ac.jp)

Assist. Prof. Yuta YAMANASHI (Dep. of Architecture)

The number to be accepted: 8

Schedule: intensive course

Date and place of the first lecture: Oct. 7<sup>th</sup>, 16:20-, @405S, International Research Institute of Disaster Science

Summary:

GIS (Geographic Information System) is a computer system for capturing, storing, checking, integrating, manipulating, analyzing and displaying data related to positions on the Earth's surface. In the process of urban planning, it is necessary to analyze the target city from various perspectives, and GIS is an effective tool for it. The aim of this program is

- 1) to analyze Sendai city from the perspective of “population”, “commerce” and “agriculture” with GIS,
- 2) to make a visitation to some typical areas, and
- 3) to compare between the result of analysis and the real situation.

