

This course employs the industrial organization theory to study the spatial or regional topics in the real world. It belongs to the field of the applied microeconomic theory, but not categorized by the empirical study methodology. We will focus on the introduction of the few main issues in the literature and recent research direction in this field, respectively, as follows:

- I. The decision behavior of the monopoly
- II. The spatial pricing
- III. The Bertrand competition of the oligopoly
- IV. Quality selection and competition
- V. Cournot (Quantity) competition
- VI. Price competition *vs.* Quantity competition in a Vertical Differentiation Model
- VII. Quantity competition and vertical differentiation with multiproduct firms
- VIII. Price competition and vertical differentiation with multiproduct firms
- IX. An analytical model of a multiproduct duopoly with vertical differentiation