

**\*GC10106**

**社会基盤計画論 Infrastructure Planning**

**Credit** 2 credits

**Semester** Second Semester (every year)

**Instructor** NAKAMURA, Fumihiko

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### **1. Objective of the course**

Through reviewing the basics of urban planning and urban transportation planning, we discuss the importance of infrastructure planning especially in the context of developing countries.

### **2. Outline of the course**

- 1.Introduction of Urban Transportation Planning
- 2.Urban planning history and Urban transportation
- 3.New Town Projects and Transportation Strategies
- 4.Environment and Urban Transportation
- 5.Urban Analysis and statistics
- 6.Demand Prediction Modeling
- 7.Urban Transportation Strategies
- 8.Public Transportation Systems
- 9.District-scale traffic management
- 10.Information technologies and urban transportation
- 11.Transportation Demand Management
- 12.Transit Oriented Development
- 13.Case Study : Curitiba
- 14.Presentations
- 15.Final Examination

### **3. Textbook and References**

Textbook: not specified

Reference: Meyer and Miller : Urban Transportation Planning

### **4. Goal**

To obtain basic understandings of urban infrastructure planning.

### **5. Nature of Class**

Lectures

### **6. Evaluation**

Reports and Quiz: 40%, Presentation 20% and Final Exam 40%

### **7. Related courses**