

Urban System Analysis

2 units (selection)

Hideo Yamanaka · PROFESSOR / PLANNING AND DESIGN SYSTEMS ENGINEERING FOR INFRASTRUCTURES, CIVIL AND ENVIRONMENTAL ENGINEERING, INTELLIGENT STRUCTURES AND MECHANICS SYSTEMS ENGINEERING

Susumu Namerikawa · ASSOCIATE PROFESSOR / STRUCTURAL ENGINEERING, CIVIL AND ENVIRONMENTAL ENGINEERING, INTELLIGENT STRUCTURES AND MECHANICS SYSTEMS ENGINEERING

Target Basic theories on modeling analysis for land use, transportation and environment systems in urban and regional areas. Design, planning, construction, and management systems for regions.

Outline Yamanaka: Modeling, analysis methods, design and planning method for land use, transportation, and environment systems in urban/ regional areas. Namerikawa: Analysis models, building, management and maintenance methods for infrastructure and environment systems in urban/ regional areas

Style Portfolio

Keyword *landuse analysis, transport model, environment protection*

Fundamental Lecture “City and Transport System Planning”(1.0), “Urban and Regional Planning”(1.0), “Project Management”(1.0)

Relational Lecture “Advance Lecture of Political Simulation”(0.5), “Advanced Lecture in Social Risk Engineering”(0.5), “Social Science”(0.5)

Goal

1. To understand the theories of modeling method for the analysis of landuse, transport, environments system in urban nad regional areas.
2. To understand project management system in regional developments.

Schedule

1. Discussion on chosing topics 1
2. Discussion on chosing topics 2
3. Review on related researches 1
4. Review on related researches 2
5. Review on related researches 3
6. Review on related researches 4
7. Review on related researches 5
8. Review on related researches 6
9. Case study using a analysis method 1
10. Case study using a analysis method 2
11. Case study using a analysis method 3
12. Case study using a analysis method 4
13. Case study using a analysis method 5
14. Discussion on summary of case study 1

15. Discussion on summary of case study 2

Evaluation Criteria No paper is required. The portforio of learning records and submitted reports are required to be evaluated.

Contents <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216798>

Student Able to be taken by student of other department

Contact

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MAIL (Office Hour: オフィスアワー:年度ごとに学科の掲示板を参照のこと)

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