Earthquake Resistant Design

2 units (selection)

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Target〉 To acquire methods of solving problems in seismic design of structures

Outline〉 Choose and discuss a topic from the problems including fault characterization, site response, attenuation relations, soil-structure interaction, seismic design of buildings/bridges, etc

Style〉 Portfolio

Keyword〉 ***earthquake resistant design, earthquake ground motions, simulation of earthquake ground motions***

Relational Lecture〉 "**Advanced Structural Analysis**"(0.5)

Requirement〉 Non

Notice〉 Non

Goal〉 To acquire the method for resolving problems in earthquake resisting design of civil engineering structures.

Schedule〉

1. To search topics in earthquake resistant design of civil engineering structures(1-3).
2. To investigate some themes out of the topics by references(4-12).
3. To prepare and submit the reports on the themes(13-15).

Evaluation Criteria〉 Evaluate 100% by report.

Textbook〉 To be introduced in the class.

Reference〉 Proceedings of World Conference on Earthquake Engineering

Contents〉 http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216749

Student〉 Able to be taken by only specified class(es)

Contact〉

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