

mitigation engineering

2 units (selection)

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Target To understand the background and the significance of mitigation and to acquire fundamental principles of mitigation technique.

Outline To explain concept, history, technology and examples of mitigation for national land development and global environment problems

Style Lecture

Keyword *mitigation, coastal environment, ecosystem, environmental restoration*

Fundamental Lecture “Principles of Disaster Risk”(1.0), “Urban and Regional Planning”(1.0)

Relational Lecture “Advanced Environmental Ecology”(0.5), “Advanced Environmental Systems Engineering”(0.5)

Goal To acquire ideas and fundamental of mitigation

Schedule

1. Introduction
2. Deterioration of coastal environment
3. Mitigation for coastal environment(1)
4. Mitigation for coastal environment(2)
5. Mitigation for coastal environment(3)
6. Mitigation for coastal environment(4)
7. Environmental Risk
8. Mitigation of global environment problems(1)
9. Mitigation of global environment problems(2)
10. Discussion: Mitigation for land development(1)
11. Discussion: Mitigation for land development(2)
12. Discussion: Mitigation for land development(3)
13. Discussion: Mitigation for land development(4)
14. Discussion: Mitigation for land development(5)
15. Examination
16. Discussion

Evaluation Criteria Evaluate learning results by reports, debates and examination

Textbook To be introduced in the class

Reference To be introduced in the class

Contents <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216894>

Contact

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Note Preparation (2 hours) and review (2 hours) is required for each class.