

Advanced Environmental Ecology

4 units (selection)

Mahito Kamada · PROFESSOR / GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, CIVIL AND ENVIRONMENTAL ENGINEERING, INTELLIGENT STRUCTURES AND MECHANICS SYSTEMS ENGINEERING

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Target The purpose is to develop the knowledge and skill for conservation and restoration of ecosystems.

Outline Current situation of ecosystems and technical problems for conservation and restoration are explained. The way of ecosystem management is emphasized to improve ecosystem. All students must give a presentation to introduce their own activities.

Style Lecture in combination with Portfolio

Keyword *ecosystem management, environmental conservation, nature restoration*

Goal Every student has basic knowledge and skill to improve ecosystem function in the actual society.

Schedule

1. Guidance
2. Interdisciplinary aspects for ecosystem management 1
3. Interdisciplinary aspects for ecosystem management 2
4. Current situation and problems in ecosystem management 1
5. Current situation and problems in ecosystem management 2
6. Current situation and problems in ecosystem management 3
7. Current situation and problems in ecosystem management 4
8. View points to know the structure and function of ecosystems 1
9. View points to know the structure and function of ecosystems 2
10. View points to know the structure and function of ecosystems 3
11. View points to know the structure and function of ecosystems 4
12. Toward an adequate management of ecosystems 1
13. Toward an adequate management of ecosystems 2
14. Toward an adequate management of ecosystems 3
15. General discussion / Report

Evaluation Criteria Result is evaluated by contents of the reports, which are set after every related lectures. Over 60% marks is necessary to pass.

Contents <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216599>

Student Able to be taken by student of other department and faculty

Contact

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