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| 科目ナンバリング | | | | | | | | | |
| 授業科目名 <英訳> | | Sustainable Forest Environment-E2 Sustainable Forest Environment-E2 | | | 担当者所属 職名・氏名 | | 農学研究科 特定助教 VILAYVONG, Khonesavanh | | |
| 群 | 統合科学科目群 | | | 分野(分類) | 環境 | | 使用言語 | 英語 | |
| 旧群 | | 単位数 | 2単位 | 週コマ数 | 1コマ | 授業形態 | 講義（対面授業科目） | | |
| 開講年度・ 開講期 | 2024・前期 | | 曜時限 | 水4 | | 配当学年 | 主として1・2回生 | 対象学生 | 全学向 |
| [授業の概要・目的] | | | | | | | | | |
| This course introduces students with the basic concepts and principles of sustainable forest management and environmental protection in addressing and solving forest environmental issues. The course focuses on the IPCC climate modeling, forest monitoring, mitigation and adaptation to climate change, sustainable forest management, soil and water conservation, carbon footprint and sequestration, forest disaster risk management, forest ecosystem and biodiversity conservation. Environmental impact assessment and forest management (REDD+) are also introduced. | | | | | | | | | |
| [到達目標] | | | | | | | | | |
| 1. To introduce students with knowledge and background on environmental issues related to climate change 2. To introduce students with underlying scientific theories, principles, practices, and measures for sustainable forest management 3. To help students acquire and apply technical knowledge and development practices on management practices for mitigation and adaptation to climate change in forest environment | | | | | | | | | |
| [授業計画と内容] | | | | | | | | | |
| 1. Global warming and climate change 2. Modelling the climate 3. Greenhouse effects and impacts of climate change 4. Deforestation, land and forest degradation 5. Sustainable development 6. Sustainable forest management 7. Mitigation and adaptation measures in forestry 8. Soil and water conservation 9. Carbon footprint and sequestration 10. Forest ecosystem and biodiversity conservation 11. Forest disaster and management 12. REDD+ Forest management 13. Environmental impact assessment in forestry 14. Japan experiences in mitigation and adaption to climate change 15. Summary and final examination 16. Feedback | | | | | | | | | |
| [履修要件] | | | | | | | | | |
| 特になし | | | | | | | | | |
| ----- Sustainable Forest Environment-E2(2)へ続く ----- | | | | | | | | | |

Sustainable Forest Environment-E2(2)

【成績評価の方法・観点】

Class participation & attendance (30%), quizzes (20%), assignment report (20%), and final examination (30%)

【教科書】

Reading materials and handouts will be distributed.

【参考書等】

(参考書)
授業中に紹介する

【授業外学修（予習・復習）等】

Students are encouraged to read and review reading materials before classes.

【その他（オフィスアワー等）】

After class, student consultation will be arranged with prior notice.