

CAMBODIA

Current Status and Needs for Upland Agriculture Curriculum & Research

Proposed Activities

- Training of trainer (RUA Lecturers).
- Integrate new upland courses to the existing curriculum (By core and/or elective courses)
- Add some contents on upland to the existing courses.
- Joint research on upland agriculture.
- Joint teaching and student exchange.
- Joint development of teaching material
- Regional upland network

Undergraduate Program

Existing Courses in Current Curriculum

- Farming system
 - Plant nutrition
 - Soil conservation and management
 - Plant protection
 - Farming system research
 - Fruit crop
 - Plant pathology
 - Rice culture
 - Rubber culture
 - Seed production
 - Seed storage technology
 - Soil and plant analysis
 - Weed
 - Topography
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Undergraduate Program

(New Concerned Courses)

8. Small rural enterprise development

6. Agro-forestry

7. Policy process for upland agriculture development

5 Gender Development

1. Indigenous knowledge and rural development

2. Poverty reduction and sustainable livelihood

3. Landscape ecology

9. Learning inquiry and communication

4. Community based natural resources management

Graduate Program

Existing Courses in Current Curriculum

Integrated Management for
Agriculture and Rural
Development

Graduate Program

Existing Courses in Current Curriculum
Semester one

□ ***Core Courses***

- Statistics and research design
 - Diversity of soils and fertility management
 - Crop growth development (Eco-physiology)
 - Crop production systems
 - Animal reproduction
 - Animal nutrition
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Graduate Program

Existing Courses in Current Curriculum
Semester one

□ ***Elective Courses***

- Crop protection
- Diseases of domestic animals

□ ***Graduate seminar in agronomy/ cropping and animal production system/soils management***

Graduate Program

Existing Courses in Current Curriculum
Semester one

□ **1st field period:**

Landscape and natural resources analysis
(soils, climate)

Sampling and measuring in on-farm
research (yield components, animal
growth); Processing and presentation of
data

Agro-ecological zonation

Graduate Program

Existing Courses in Current Curriculum
Semester two

□ ***Core Courses***

- Rural Sociology
 - Production Economics
 - Farm Management
 - Agricultural Development
 - Farm system research and development
 - Agricultural sector and policy analysis
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Graduate Program

Existing Courses in Current Curriculum
Semester two

□ ***Elective Courses***

- Land tenure and development
 - Agricultural marketing and development
 - Agricultural services and development
 - Financial management, accounting and control
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Graduate Program

Existing Courses in Current Curriculum

Semester two

- ***Graduate seminar in agricultural economic***
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Graduate Program

Existing Courses in Current Curriculum
Semester two

□ 2nd field period:

- Farm surveys and questionnaire management
 - Topologies
 - Economic calculations on cropping systems
 - Share of added value in a commodity chain
 - Analysis and comparisons of economic/social strategies
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Graduate Program

Existing Courses in Current Curriculum
Semester three

□ *Core Courses*

- Theories and strategies of change
 - Community organization and leadership
 - Conflict management and multi-stakeholders negotiation
 - Farm irrigation system management
 - Project planning and management
 - Evaluation in rural development
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Graduate Program

Existing Courses in Current Curriculum
Semester three

□ ***Elective Courses***

- Agricultural communication
 - Land use capability, classification and management
 - Dairy products processing
 - Integrated forest resources management
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Graduate Program

Existing Courses in Current Curriculum

Semester three

- ***Graduate seminar in agricultural extension and / or project management***
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Graduate Program

Existing Courses in Current Curriculum
Semester three

□ **3rd field period:**

- Evaluation of a development project
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Graduate Program

Existing Courses in Current Curriculum
Semester Four

- Master thesis (Research)
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Graduate Program

(New Courses add to Current Curriculum)

2. Systems perspective, Landscape ecology
 1. Social dimensions (Gender, local knowledge, ethnics culture, etc.)
 8. Post-harvest technology
 5. Sustainable resources management techniques and options
 9. Quality control
 10. Technology transfer and participatory methods
 4. Integrated Farming Systems and Agro-forestry
 3. Marketing and Information
 6. Sustainable livelihood strategies
 - Income generation and diversification
 7. Community-based natural resources management (forestry, farmer-water user, fisheries)
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Cambodia Task Force

- Title: Community based natural resources management
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Proposed 5 cases development

- 1-Social Dimensions
 - 2-Systems perspective, landscape ecology
 - 3-Marketing and Information
 - 4-Integrated farming systems agro-forestry
 - 5-Community based natural resources management
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Thank You

