

Internationalization Programs of Forestry Education in Kyushu University, southwestern Japan

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**Section of Forest Environmental Sciences
Faculty of Agriculture
Kyushu University, Japan**

Contents

- Internationalization program in Japan
- Forestry education in Japan
- International course in Kyushu University
- Research projects in SE Asia
- Challenges and Opportunity

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■ Internationalization program in Japan

“Global 30” project

(Degree programs in English)

<http://www.uni.international.mext.go.jp/>



With the introduction of the “Global 30” Project, the best universities in Japan are now offering degree programs in English.

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TOP 13 Universities in Japan
Offering Degree Programs
in English

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“Global 30” project : 13 Univ. selected

<http://www.uni.international.mext.go.jp/>



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24 Universities with Forest and/or Wood Sciences



<http://www.uni.international.mext.go.jp/>

Under Faculty of Agriculture...

Kyushu University

Faculty of Agriculture

Fields

Courses

**Bio-resource
Production
Science**

Agronomy

Environmental Engineering

Bioproduction System Engineering

Agricultural Economics

**Applied
Biological
Science**

Agricultural Chemistry

Food Science & Technology

**Forest &
Wood
Sciences**

Forest Environment & Management Science

Forest Bioscience

Biomaterial Science

**Animal
Production
Science**

Animal Science

Fishery Science

■ Forest and Wood Sciences,

Division

Laboratory

Forest Environment and Management Science

- Forest Management
- Erosion Control
- Forest Policy

Forest Bioscience

- Silviculture
- Wood Science
- Forest Chemistry and Biochemistry

Biomaterial Science

- Wood Material Technology
- Bioresources Chemistry
- Biomacromolecular Materials
- Biomaterial Design

Forest Ecosphere Sciences and Management (University Forest)

- Forest Ecosystem Management
- Forest Resources Management

Systematic Forest and Forest products Science

Many international students from SE Asia

Cambodia

Indonesia

Laos

Myanmar

Nepal

Vietnam,,,,,

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Since 1994 -

<http://www.agr.kyushu-u.ac.jp/english/international/>



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➔ Graduate

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International Programs

Faculty of Agriculture, Kyushu University

Around 1,500 students from different countries all over the world are presently attending Kyushu University. Of this number, around 140 students belong to the Faculty of Agriculture, mostly graduate students. With the university being chosen as one of the venues for the Global 30 project, the Faculty of Agriculture is launching its newest undergraduate program - The International Undergraduate Program at the Department of Bioresource and Bioenvironment, School of Agriculture.

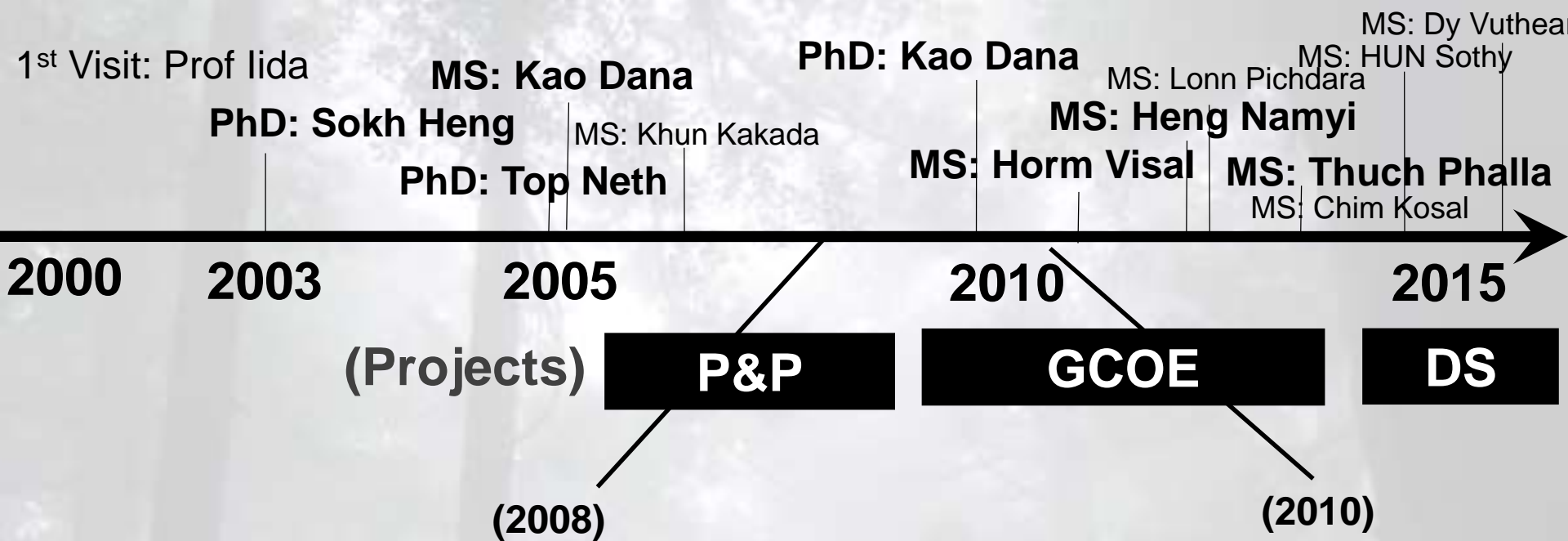
— Graduate

Kyushu University currently offers a unique education and research program in the Graduate School of Bioresource and Bioenvironmental Sciences; namely, International Development Research Course - A Special Program for International Students. The course was introduced in October 1994 in the form of a post-graduate program, which, upon completion, qualifies towards the Master's as well as Doctoral degrees.



International Education programs are successfully leading to joint research projects in SE Asia.

Examples in **Cambodia** & **Myanmar**





Asia Forest Workshop 2006
 in 14 -17 November, Kyushu University, Japan
 Interdisciplinary and Transnational Discussion
 on Multiple Impacts of Forestry and Landuse Change in Tropical Asia

W**A**sia Forest Workshop 2008
 in 20 -23 November, Cambodia
 Interdisciplinary and Transnational Discussion
 on Multiple Impacts of Forestry and Landuse Change in Tropical Asia

Asia Forest Workshop 2013
 in 3 -4 December, Cambodia
 Interdisciplinary Discussion
 on Multiple Impacts of Forestry and Landuse Change in Tropical Asia

Welcome

Welcome!

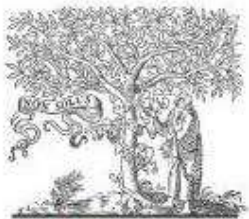
Project_1

2008
Logging (RIL)
experiments in
Cambodia



Forest Ecology and Management

journal homepage: www.elsevier.com/locate/foreco



ELSEVIER

Tree-based approach to evaluate size dependence of residual tree damage caused by selective logging: Case study in tropical semi-evergreen forests of Cambodia

Kimsun Chheng^a, Nobuya Mizoue^{b,*}, Saret Khorn^a, Dana Kao^a, Nophea Sasaki^c

Project_2

2008

Water cycle
measurements at
Community forestry
in **Cambodia**



ELSEVIER

Journal of Hydrology

journal homepage: www.elsevier.com/locate/jhydrol

Tropical tree water use under seasonal waterlogging and drought
in central Cambodia

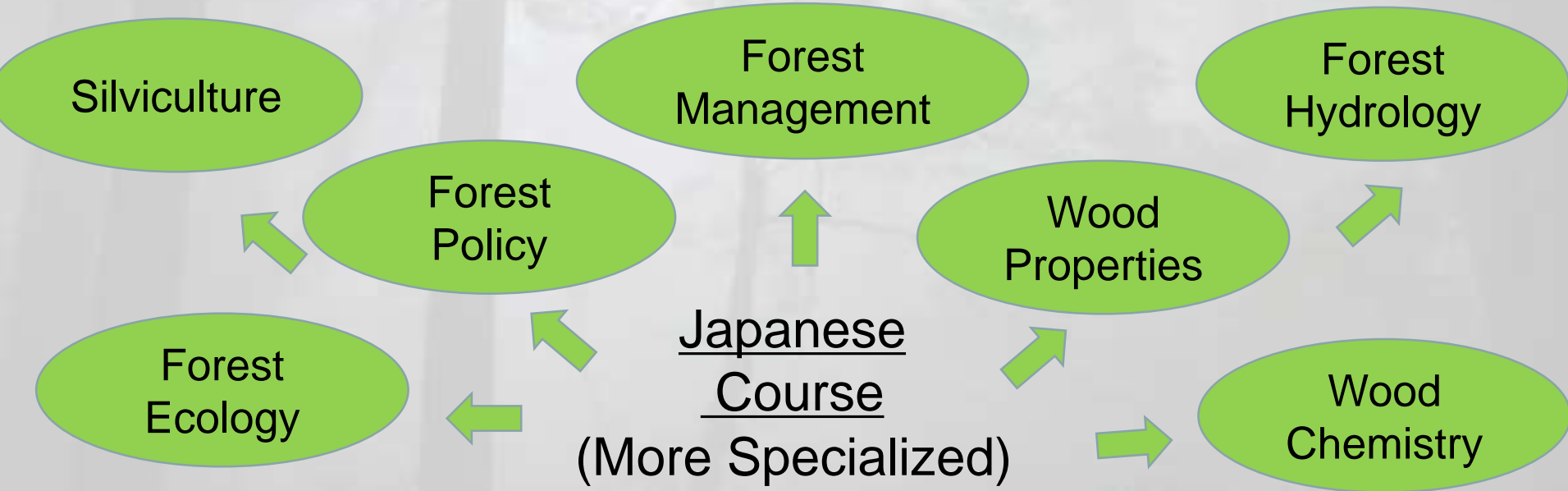
Yoshiyuki Miyazawa^{a,b,c,*}, Makiko Tateishi^{a,d}, Hikaru Komatsu^{a,e}, Vuthy Ma^f, Tsuyoshi Kajisa^g,
Heng Sokh^f, Nobuya Mizoue^g, Tomo'omi Kumagai^{a,h}

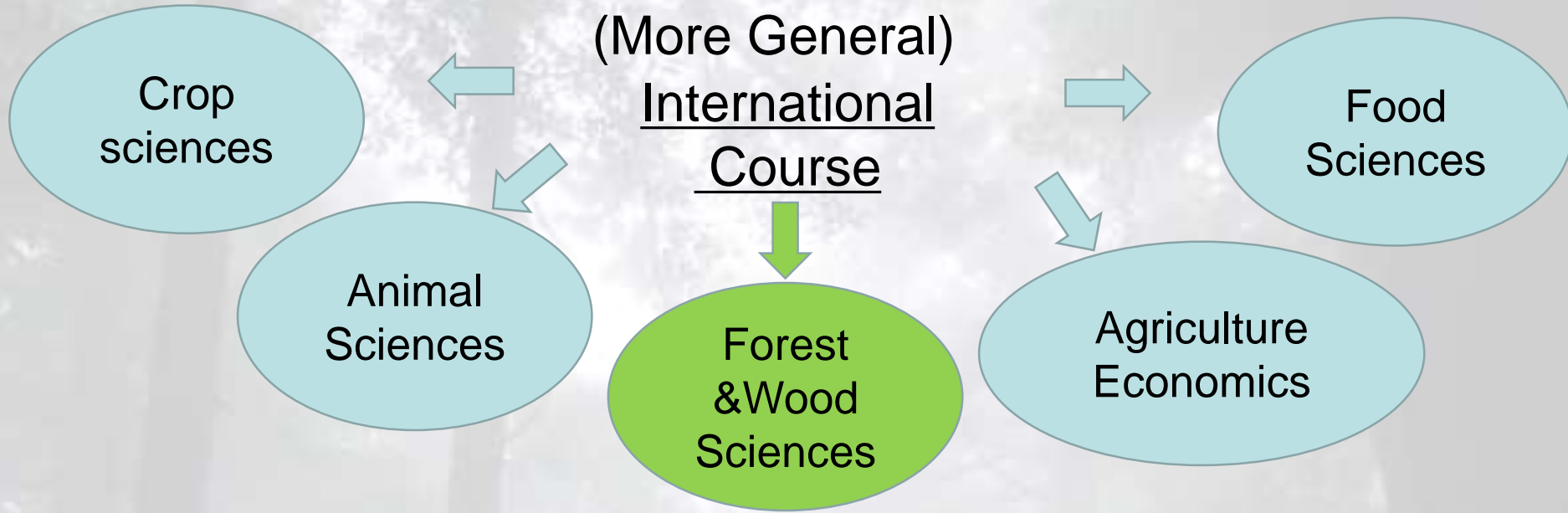
Some journal-publications by students from **Cambodia** & **Myanmar**

1. Chheng K, Mizoue N, *, Khorn S, Dana K, Sasaki N. (2015) Tree-based approach to evaluate size dependence of residual tree damage caused by selective logging: Case study in tropical semi-evergreen forests of **Cambodia**. *Forest Ecology and Management* 356: 285-295
2. Toyama H, Mizoue N,(11th/12) (2015) Effects of logging and recruitment on community phylogenetic structure in 32 permanent forest plots of Kampong Thom, **Cambodia**. *Philosophical Transactions of the Royal Society B* 370.1662:20140008
3. Miyazawa Y, Mizoue N,(5th/8) (2014) Implications of leaf-scale physiology for whole tree transpiration under seasonal flooding and drought in central **Cambodia**, *Agricultural and Forest Meteorology* 199,221-231
4. Htun NZ, Mizoue N, Yoshida S, Changes in determinants of deforestation and forest degradation in Popa Mountain Park, Central **Myanmar**. *Environmental Management* 51: 423-434, 2013
5. Htun NZ, Mizoue N, Yoshida S, Determinants of local people's perceptions and attitudes towards protected area and its management: A case study from Popa Mountain Park, Central **Myanmar**. *Society & Natural Resources* 25: 743-758, 2012.08
6. Mon SM, Mizoue N, Htun NZ, Kajisa T, Yoshida S, Factors affecting deforestation and forest degradation in selectively logged production forest: a case study in **Myanmar**. *Forest Ecology and Management* 267: 190–198, 2012.03
7. Htun NZ, Mizoue N, Yoshida S, Classifying tropical deciduous vegetation: a comparison of multiple approaches in Popa Mountain Park, **Myanmar**. *International Journal of Remote Sensing* 32: 8935-8948, 2011.12
8. Htun NZ, Mizoue N, Yoshida S, Tree Species Composition and Diversity at Different Levels of Disturbance in Popa Mountain Park, **Myanmar**. *Biotropica* 43: 597-603, 2011.09
9. Kao D, Mizoue N, Top N, Kajisa T, Yoshida S, Stand dynamics of tropical seasonal evergreen forest in central **Cambodia**. *Journal of Forest Planning* 16: 27-33, 2010.09
10. Htun NZ, Mizoue N, Kajisa T, Yoshida S, Deforestation and forest degradation as measures of Popa Mountain Park (**Myanmar**) effectiveness. *Environmental Conservation* 36: 218-224, 2010
11. Top N, Mizoue N, Ito S, Kai S, Nakao T, Ty S, Effects of population density on forest structure and species richness and diversity of trees in Kampong Thom Province, **Cambodia**. *Biodiversity and Conservation* 18:717-738, 2009.03

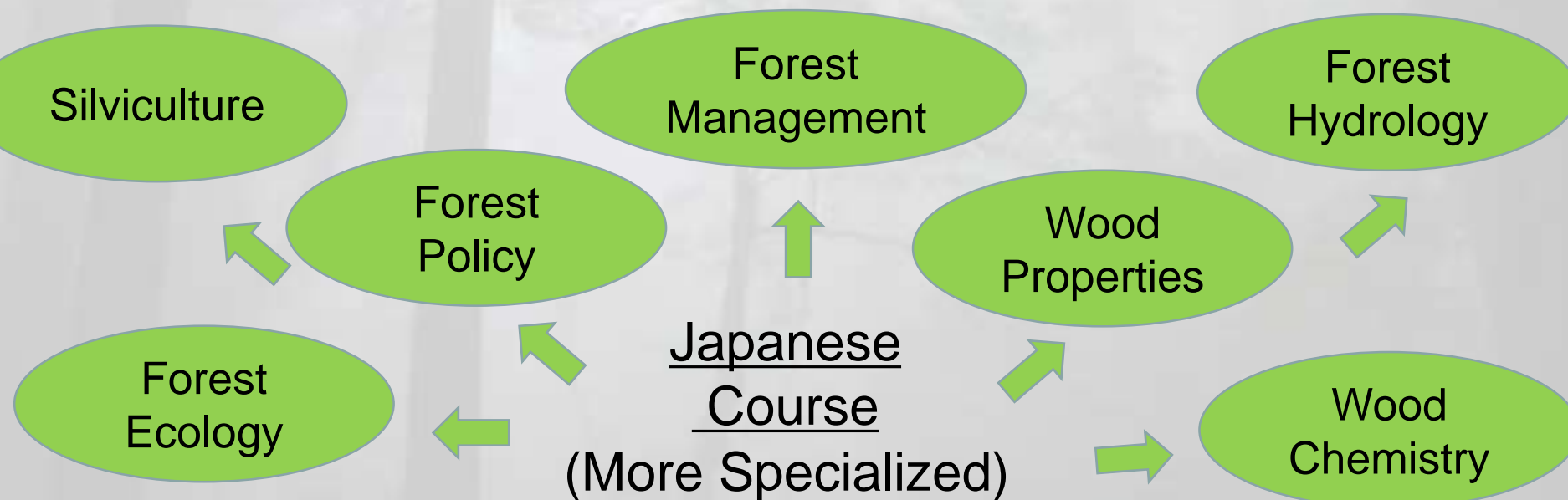
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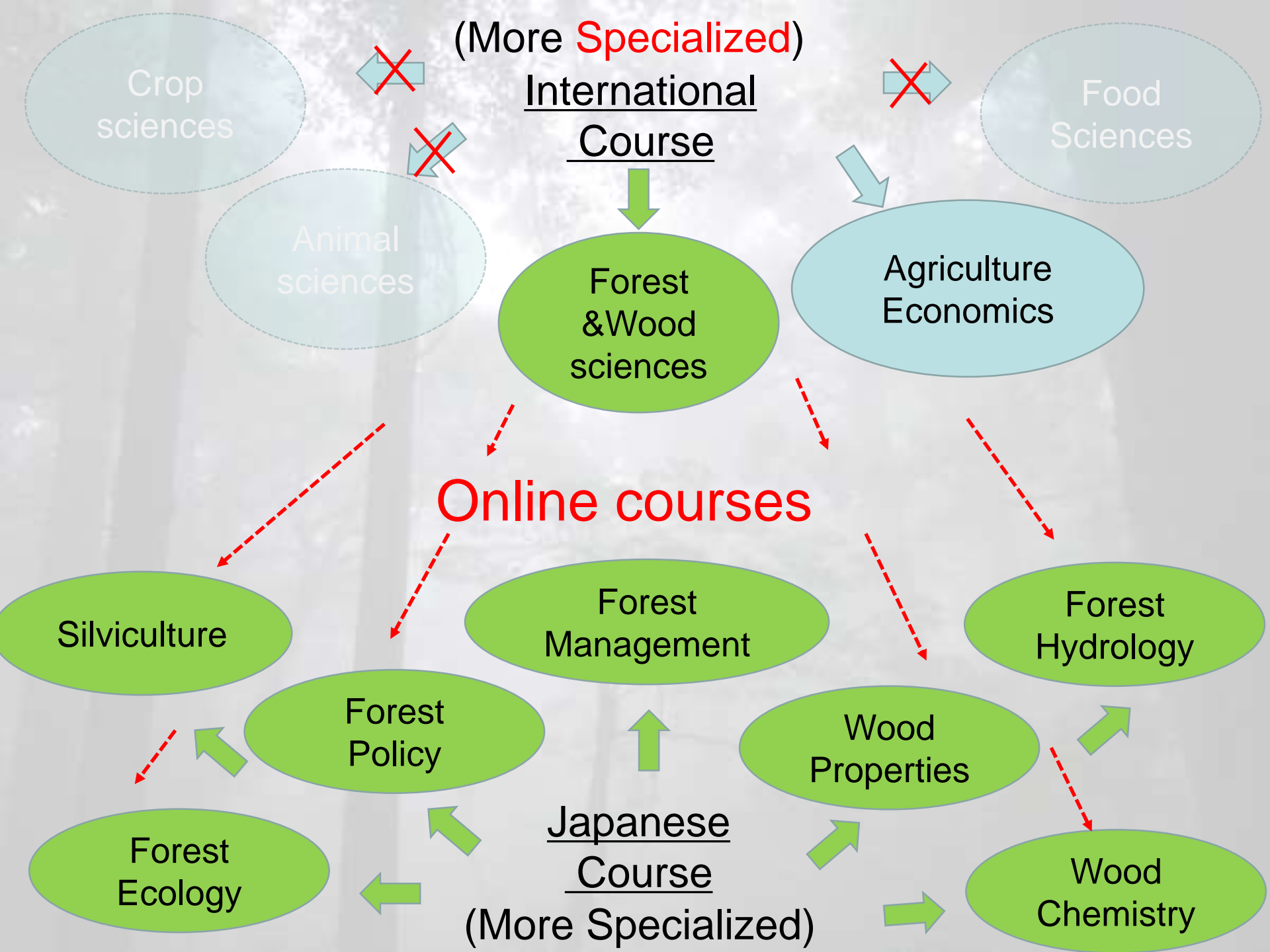
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Unbalance in lectures





Conclusions

- Internationalization is the top priority in Japan
- Forestry education under Agriculture in Japan
- International course resulted in joint-research and publication
- Expectations for Online Courses