

Course Number	06060
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**2006 「The International Priority Graduate Programs (PGP)」**

~Advanced Graduate Courses for International Students~

**【1. Profile of the University】**

①University Department	Ritsumeikan Asia Pacific University Graduate School of Asia Pacific Studies		
②President	Monte Cassim		
③Address (Headquarters)	〒874-8577 1-1 Jumonjibaru, Beppu-shi, Oita		
④Contact	Division	Admissions Office - International	
	Contact person's Name	HSIUNG, Hann-Shiuh	e-mail apugrad@apu.ac.jp
	TEL/FAX Number	TEL: +81-977-78-1119 FAX: +81-977-78-1121	
⑤Web-Address	<a href="http://www.apu.ac.jp/graduate">http://www.apu.ac.jp/graduate</a>		
⑥Enrollment (only Graduate School)	184 (including 34 MEXT Scholarship Students)		

**【2. Outline of the Course】**

①Course	Japan-EU/Graduate Level Joint Degree Program Integrating Science and the Humanities
②Degree	Master's Degree (2-year) * Government scholarships are only eligible for the 1 year in Japan
③Graduate Course, Department	Graduate School of Asia Pacific Studies, International Cooperation Policy Division
	(Address) 〒874-8577 1-1 Jumonjibaru, Beppu-shi, Oita
④Collaboration (Universities, Graduate courses, Departments)	University of Applied Sciences, Trier, Institute for Applied Material Flow Management (Germany)
⑤Quota	25 (including 7 MEXT Scholarship Students) (including 5 Japanese students)
⑥Faculties	37 (Full-time(only for this course): 15 Full-time(at the department offering this course): 6 Part-time: 16)
⑥Representative of the Course	Job Title: Dean, Graduate School of Asia Pacific Studies
	Name: YAMAGAMI Susumu

### 【3. Contents of the Course】

#### 1. Objective of Establishment

The aim of this program is to increase the international standing of Japanese degrees by promoting a standard among Japanese and European degrees. This can be achieved through this almost unprecedented Japan-EU dual-degree program that integrates the humanities and the sciences.

Ritsumeikan Asia Pacific University has garnered much attention at home and abroad for its multicultural campus, the most multicultural one in Japan. Students will spend one year here on the dual Master's program where they will study and research with students from around the world. The 2<sup>nd</sup> year of the program will be spent in Germany where students will partake in internships and focus on writing their thesis. Students who pass both universities' screening processes will be awarded with 2 Master's degrees.

In this manner, students will study in both Japan and Germany and interact with students from around the world, working hard to become the next group of leaders in this global era.

Focusing the Asia Pacific region—where many developing countries continue to struggle with ever-increasing environmental issues— it is essential for this program will develop international leaders with a firm knowledge of environmental administration as well as the hands-on technical know-how necessary to succeed in this field. The program meet these needs head-on by integrating APU's environmental policy and environmental management expertise with the University of Applied Sciences, Trier's specialty, environmental technology and international material flow management.

#### 2. Content and Characteristics

##### (1) Human Resources Development Objectives

Focusing the Asia Pacific region—where many developing countries continue to struggle with ever-increasing environmental issues— it is essential for this program will develop international leaders with a firm knowledge of environmental administration as well as the hands-on technical know-how necessary to succeed in this field. The program will do just that by providing graduates with a dual Japanese-German degree and preparing them as internationally-viable environmental experts.

##### (2) Education and Research Focus

To achieve the goals laid out above, students will be taught engineering, economics and environmental studies in order to understand the workings of global economic development. The curriculum is also designed to give students the wide array of knowledge they will need in areas such as business administration, management of technology strategy and environmental policy. For example, when discussing regional management of technology strategies, students will learn and research about constructive environmental management techniques, keeping in mind the balance between economic progress and environmental protection.

##### (3) Unique Curriculum

In addition to the graduate school common subjects—that is, subjects that provide all Graduate School of Asia Pacific Studies students with the fundamental knowledge and research methods they will need—students will study the fundamentals of environmental technology and policy, later moving into the more specialized areas.

Students will take the major subjects listed in the curriculum chart below as well as the seminars "Research Project I – IV." Using the knowledge they have gained in lectures, students will focus on writing their theses in the seminar classes under the expert supervision of their faculty members.

#### Curriculum Chart

Semester 1 (APU)	
Ecosystem Management	
Technology Management I	
Corporate Material Flow Management I	
Regional Material Flow Management I	
Business Planning for Engineers	

Ecological Engineering and Environmental Technologies	
Research Project I (Seminar: Material Flow Management I)	
German/Japanese History and Society	*
Case Studies on Circular Economy, 3R's Society, Material Flow Society	*
Modeling of Carbon Cycles	*
Semester 2 (APU)	
Technology Management II	
Technical Aspects of Factor 10	
Corporate Material Flow Management II	
Regional Material Flow Management II	
Sustainable Waste Management	
System Change Management	
Research Project □ (Seminar: Material Flow Management II)	
Religion and Culture in Germany/Japan	*
Greenhouse Gas Abatement Strategies and Carbon Trading	*
Sustainable Engineering of IT Systems	*
Semester 3 (IfaS)	
Risk Management & Technology	*
Material Flow Management Modeling and Software Applications	*
Renewable Energy Systems	
Sustainable Water Management	
Networking & Knowledge Management	
Green Chemistry	*
Production Integrated Environmental Protection	*
Organic Chemistry for Engineers and Economists	*
Practical Internship	*
Semester 4 (IfaS)	
Research Project □/□ (Master Thesis & Colloquium)	

(NOTE) Subjects marked with an \* will not be included in the number of credits required for graduation at APU.

### 3. Program Language

All lectures and research supervision will be conducted in English. In addition, several English-speaking staff are available to help students with everyday matters such as course registration and student life concerns. Our campus provides a comfortable and secure atmosphere for all students, including those students who can not speak Japanese.

### 4. Potential Career Paths

This program aims to develop global leaders with the requisite skills in environmental technology, environmental policy and environmental management. After the students complete the program, they will be able to work as researchers their government agencies, international cooperation organizations, environmental corporations, NGOs and NPOs.

### 5. Selection Methods

Selection will be carried out by a document screening (admissions confirmation notice, undergraduate transcripts, English ability, recommendation letters and research achievements) and an interview in order to attract the best students from all countries and regions. For more details, please refer to the APU homepage.