



## บันทึกข้อความ

คณะกรรมการ
สารบรรณ
รับที่ 003630
วันที่ 2 ก.ย. 2557
เวลา
รับ

ส่วนงาน กองวิเทศสัมพันธ์ สำนักงานมหาวิทยาลัย มหาวิทยาลัยเชียงใหม่ โทร. 3664  
ที่ ศธ 6392 (7)/ 2379 วันที่ 25 กันยายน 2557  
เรื่อง AUN-KU Joint Supervision Single Master Degree Program (1<sup>st</sup> batch academic year 2015-2016)

เรียน เลขาธิการคณะอุตสาหกรรมเกษตร

กองวิเทศสัมพันธ์ ขอส่งเอกสารดังแนบ มาเพื่อ

(✓) โปรดทราบ และประชาสัมพันธ์ให้นักศึกษาที่สนใจทราบ หากประสงค์จะสมัครเข้าร่วมโครงการฯ โปรดจัดทำเอกสารที่เกี่ยวข้อง ส่งมายังกองวิเทศสัมพันธ์ ภายในวันที่ 30 ตุลาคม 2557 เพื่อจะได้ดำเนินการในส่วนที่เกี่ยวข้องต่อไป

(นางสาววรลักษณ์ สุธีวรรณนา)  
ผู้อำนวยการกองวิเทศสัมพันธ์



## บันทึกข้อความ

ส่วนงาน กองวิเทศสัมพันธ์ สำนักงานมหาวิทยาลัย โทร 3664, 3661  
ที่ ศธ 6392(7)/ วันที่ 25 กันยายน 2557  
เรื่อง AUN-KU Joint Supervision Single Master Degree Program (1<sup>st</sup> batch academic  
• year 2015-2016

เรียน ผู้อำนวยการกองวิเทศสัมพันธ์

### สรุปเรื่อง

ด้วย ASEAN University Network (AUN) – Kyoto University (KU) Student Mobility Program toward Human Security Development มีจุดมุ่งหมายที่จะสร้างความเป็นหุ้นส่วนทางวิชาการและการพัฒนาคนรุ่นใหม่ของ โดยได้เสนอโปรแกรมการศึกษาทั้งในระดับปริญญาตรี ระดับปริญญาโท(เรียนภาคฤดูร้อน) Double Degree Program และ Single Degree Program

บัดนี้ AUN-KU ได้เสนอโปรแกรม “AUN-KU Joint Supervision Single Master Degree Program” ซึ่งจัดเป็นหนึ่งในโปรแกรมที่นักศึกษาปริญญาโทจาก 25 มหาวิทยาลัยสมาชิก AUN จะได้รับโอกาสดำเนินการวิจัยภายใต้การดูแลร่วมกันของอาจารย์จากมหาวิทยาลัยต้นสังกัดและมหาวิทยาลัยเกี่ยวโตใน 3 สาขาที่เกี่ยวข้อง คือ “Food and Water Resources,” “Environment and Energy,” and “Public Health.” ระยะเวลาการศึกษาวิจัย คือ เดือนเมษายน – เดือนมิถุนายน 2558 กำหนดรับสมัครถึงวันที่ 7 พฤศจิกายน 2557

### ข้อเสนอเพื่อพิจารณา

จึงเรียนมาเพื่อโปรดทราบและเห็นสมควรแจ้งคณะอุตสาหกรรมเกษตร คณะวิทยาศาสตร์ คณะวิศวกรรมศาสตร์ และคณะในกลุ่มวิทยาศาสตร์สุขภาพ เพื่อประชาสัมพันธ์ให้นักศึกษาที่สนใจทราบ หากประสงค์จะสมัครเข้าร่วมโครงการฯ โปรดจัดทำเอกสารที่เกี่ยวข้อง ส่งมายังกองวิเทศสัมพันธ์ ภายใน วันที่ 30 ตุลาคม 2557 เพื่อจะได้ดำเนินการในส่วนที่เกี่ยวข้องต่อไป

ดร.ณัฐ  
สุวิรัตน์

คำสั่ง

- ดำเนินการตามคำสั่ง

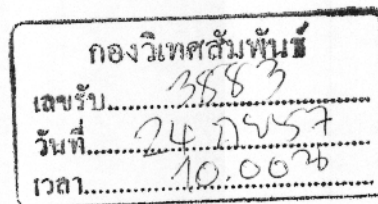
สม.ท.  
25 ก.ย. 57

# FW: [CMU] AUN-KU Joint Supervision Single Master Degree Programme (1st batch academic year 2015-2016)

irdcmu <irdcmu@cmu.ac.th>

Tue 23/09/2014 10:47

To: WARUNEE KASTAREE <warunee.k@cmu.ac.th>;



1 attachment

2015 1st Joint Supervision.rar;

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**From:** Pasita Marukee

**Sent:** Friday, September 19, 2014 3:47 PM

**To:** irdcmu; Ird cmu; วรลักษณ์ สุธีวรรณานา

**Subject:** [CMU] AUN-KU Joint Supervision Single Master Degree Programme (1st batch academic year 2015-2016)

Dear the Office of International Relations,

The **ASEAN University Network - Kyoto University (AUN-KU) Student Mobility Program toward Human Security Development** aims to form an academic consortium and to develop new generations of global leaders who actively work for academic institutions, global entrepreneurs, governmental bodies or international institutions. The consortium offers programme to both undergraduate and master's students a Summer School, Double-Degree Programme and Single-Degree Programme under Supervision.

The "**Joint Supervision Single Master Degree Programme**" is among those programmes which offers Master's Degree students from 25 AUN Member Universities an opportunity to conduct research and complete a thesis under the joint supervision of professors from their home university and Kyoto University in 3 related fields: "Food and Water Resources," "Environment and Energy," and "Public Health."

The 1st batch of the Joint Supervision Single Master Degree Program for the academic year 2015-2016 offers:

**Submission deadline:** 7 November 2014

**Research work at KU:** April - June 2015

For information please find attached:

1. AUN-KU Single Degree information
2. List of Lab
3. HSD application docs (Form1)
4. HSD application docs (Form2)
5. Statement of purpose (Form3)

To contact the professors of KU, please contact Kyoto University's Human Security Development Educational Unit at [ningen-unit@mail2.adm.kyoto-u.ac.jp](mailto:ningen-unit@mail2.adm.kyoto-u.ac.jp) or tel +81-75-753-9542

Should you require further information, please do not hesitate to let me know. Thank you for your warm cooperation.

Sincerely,  
Pasita Marukee

--

**Pasita Marukee (Ms.)**  
Programme Officer

**ASEAN University Network**  
Room 210 Jamjuree 1 Building  
Chulalongkorn University  
Phayathai Road, Pathumwan,  
Bangkok 10330 THAILAND

Tel: +66 2 2153640 ext. 102  
Fax: +66 2 2158808  
E-Mail: [aun.pasita@gmail.com](mailto:aun.pasita@gmail.com)

**Application Guideline for  
 “Joint Supervision Single Master Degree Program”  
 The Second Invitation for the Academic year 2015-16  
 AUN-KU Student Mobility Program toward Human Security Development**

The AUN-KU\* Student Mobility Program toward Human Security Development offers a Master’s Program, the “Joint Supervision Single Master’s Degree Program,” covering the fields related to “Food and Water Resources,” “Environment and Energy,” and “Public Health.”

The Student Mobility Program invites applications for its first batch for the academic year 2015-16 from students of AUN member universities (listed below) who would like to start a research work at KU between April and June 2015.

\*AUN = ASEAN University Network; KU = Kyoto University

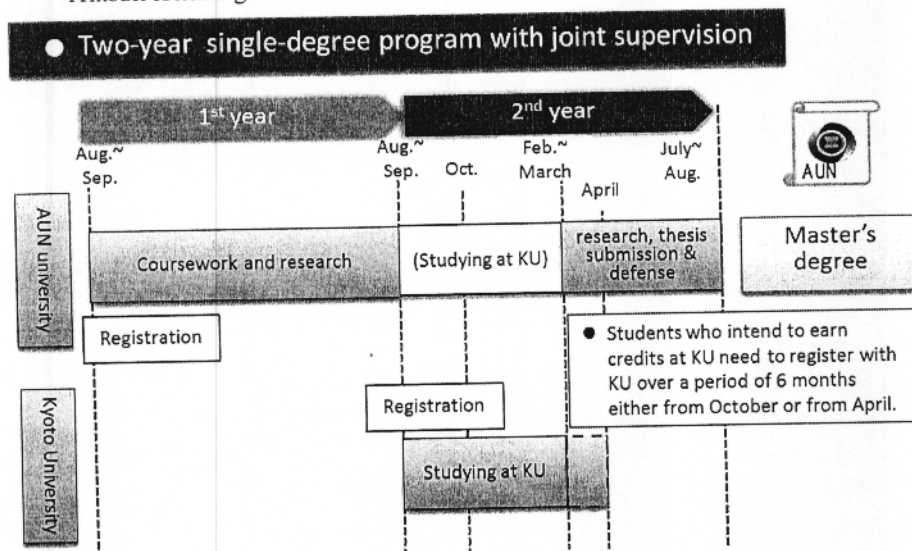
**1. What is the “Joint Supervision Single Master Degree Program”?**

Students from the 25 AUN member universities listed below will conduct research and complete a thesis under the joint supervision of professors from their home university and KU. The main supervisor from the home university and the co-supervisor from KU will discuss and agree on a learning schedule. Students will be required to move to Japan to conduct their research work at KU for a specific duration, based on a schedule. It is assumed that the basic duration of their stay at KU will be 3-6 months (the duration may be either extended or shortened on the condition that both supervisors from the home university and KU agree).

Students will have to submit their theses to their respective home universities, which will confer the degree. The co-supervisor may be a member of the thesis examination committee.

The Student Mobility Program recruits students for the Joint Supervision Single Master’s Degree Program four times a year, for the students to start to conduct their research work in Kyoto in January, April, July, or October.

A model of learning schedule



## 2. Research fields and corresponding departments at KU

The fields of studies in this program are "Food and Water Resources," "Environment and Energy," and "Public Health." Students participating in this program will study in either Graduate School of Agriculture, Graduate School of Energy Science, School of Public Health in Graduate School of Medicine, Graduate School of Asian and African Area Studies, Institute of Advanced Energy, or Center for Southeast Asian Studies, Kyoto University.

## 3. Application and Admission

### (1) Requirements for Admission

Applicants will need to comply with the following:

- The student must be registered with one of the 25 AUN member universities listed below
- The student should have passed a regular entrance examination at a home university
- TOEFL iBT 80 or equivalent scores in IELTS is desirable
- The student shall start to conduct a research work at KU either in April, May, or June 2015

The 25 AUN member universities\*

Country	Institution name
Brunei Darussalam	Universiti Brunei Darussalam
Cambodia	Royal University of Phnom Penh; Royal University of Law and Economics
Indonesia	Universitas Indonesia; Universitas Airlangga
Laos	National University of Laos
Malaysia	Universiti Sains Malaysia; Universiti Kebangsaan Malaysia; Universiti Putra Malaysia; Universiti Utara Malaysia
Myanmar	University of Yangon; Yangon Institute of Economics; University of Mandalay
Philippines	Ateneo de Manila University; De La Salle University-Manila; University of the Philippines
Singapore	Nanyang Technological University; Singapore Management University
Thailand	Burapha University; Mahidol University; Chiang Mai University; Prince of Songkla University
Vietnam	Vietnam National University, Hanoi; Vietnam National University, Ho Chi Minh City; Can Tho University

\* This list excludes the five core member universities of AUN: Gadjah Mada University (Indonesia); Institute of Technology Bandung (Indonesia); University of Malaya (Malaysia); National University of Singapore; and Chulalongkorn University (Thailand).

### (2) Application

Students must submit all the documents listed below to AUN (for contact details please refer point #4 below) along with their application. Deadline for submitting applications for the first invitation for the academic year 2015-16 is Friday, November 7, 2014.

- Resume (Form 1 and 2)\*
- One official transcript of courses and grades obtained in respective schools
- Certificate of scores in TOEFL or IELTS
- Statement of purpose (Form 3)
- Recommendation letter from the supervisor of the home university
- An approval from the co-supervisor prior to application is desirable, but not compulsory\*\*

\* For obtaining Forms 1, 2, and 3, please contact AUN.

\*\* If you would like to contact the professors of KU, please contact Kyoto University's Human Security Development Educational Unit first and not directly to the professors.

**(3) Selection process**

- (a) All candidates are selected by the AUN Secretariat
- (b) All applications are sent to KU for the supervisor of the home university and the co-supervisor of KU to discuss and agree on a research plan for the student
- (c) Admission is approved by the AUN-KU Executive Committee of the Student Mobility Program
- (d) The number of students admitted from the AUN member universities is five per year (the number may be changed according to the available budget)

**(4) Tuition**

- (a) Students must pay the tuition fees at their home university for the duration of register
- (b) On payment of a monthly tuition fee of 29,700 yen, KU grants AUN students a "special research student" status; the tuition fee is subsequently waived once the student exchange agreement between concerned departments is concluded
- (c) KU grants AUN students who stay at KU for less than three months a "short-term exchange student" status; a short-term exchange student does not need to pay tuition
- (d) Students who intends to earn credits at KU are provided with a "special auditor" status; the tuition of 14800 yen per credit (1 course=2credits=29600 yen) will be required; the tuition fee is subsequently waived once the student exchange agreement between concerned departments is concluded.

**(5) Financial aid**

- (a) The Student Mobility Program will bear the following expenses:
  - Round-trip airfare
  - Accommodation (accommodation will be provided by KU)
- (b) Scholarships from the Japan Student Services Organization may be also available, subject to eligibility

**4. Contact Details**

**Kyoto University**

**Human Security Development Educational Unit**

507 Maskawa Building for Education and Research,  
Kitashirakawa-Oiwake, Sakyo, Kyoto 606-8502, Japan  
Tel: +81-75-753-9542; Fax: +81-75-753-9547  
E-mail: [ningen-unit@mail2.adm.kyoto-u.ac.jp](mailto:ningen-unit@mail2.adm.kyoto-u.ac.jp)  
Website: <http://www.hsd.cpier.kyoto-u.ac.jp/en/index.html>

**ASEAN University Network**

Room 210 Jamjuree 1 Building,  
Chulalongkorn University  
Phayathai Road, Pathumwan, Bangkok 10330, Thailand  
Tel: +66-2-215-3640; Fax: +66-2-2158808  
E-mail: [aun.pasita@gmail.com](mailto:aun.pasita@gmail.com)  
Website: <http://www.aunsec.org/>

List of responsible laboratories

**Energy and Environment (Graduate School of Energy Sciences)**

<b>Laboratory name</b>	<b>Research keywords</b>
Energy Social Engineering (Engineering for Social Systems)	Social engineering, Recycle, Eco-materials, Eco-education, Effective use of energy and resource
Energy Economics	Energy study, Economics, Systems design, Microscopic and macroscopic viewpoints, Sustainability
Energy Ecosystems (Biomass Energy)	Biomass energy, Supercritical fluid, Pyrolysis, Bioethanol, Bio-based products
Energy and Information (Human Interface)	Human interface, Human-machine system, Augmented reality, Intellectual productivity, Pro-environmental behavior
Energy and Environment (Energy Environmental Impact)	Energy and environment, Atmospheric environment, Environmental impact assessment, Life cycle assessment
Energy Policy (RPI)	Energy policy, Nuclear energy, Energy best-mix, Energy security
Societal Energy Education (RRI)	Social energy education, Disaster science, Hazard evaluation, Earthquake disaster prevention strategy
Energy Chemistry	Energy chemistry, Electrochemistry, Molten salt, Ionic liquid, Fuel cell, Secondary battery, Hydrogen energy
Quantum Energy Processes	Organic molecular materials, Inorganic semiconductors, Photochemistry, Solid state physics, Solar energy utilization
Functional and Solid State Chemistry	Inorganic material chemistry, Crystal chemistry, Electrochemistry, Solid state chemistry, Electrochemical materials, Bio-environment adjusted material, Functional material chemistry
Plasma and Fusion Science	Nuclear fusion and plasma theory, Nonlinear and non-equilibrium plasma physics, Hierarchical simulation, Laser-matter interaction
Electromagnetic Energy	Fusion energy, Data analyses of plasma experiments, Measurements and diagnostics, Theory and numerical simulation
Plasma Physics	Microwave spherical torus experiment, Plasma wave physics, Equilibrium, Stability and transport, Plasma diagnostics
Fusion Energy Control (IAE)	Control of high temperature plasma, Boundary plasma physics, Plasma heating and flow control
High-Temperature Plasma Physics (IAE)	Confinement experiment of heliotron plasma, Monte Carlo simulation, Development of fusion plasma diagnostics
Interfacial Energy Processes (IAE)	Genetic engineering, Bioenergy, Surface science, Electrochemistry
Energy Nano Engineering (IAE)	Nano-science, Nano-materials, Solar energy, Organic photovoltaic cells, Theoretical biophysics, Statistical mechanics of liquids
Biofunctional Chemistry (IAE)	Design of biomacromolecules, Protein engineering, Synthetic biology, Solar energy utilization, Bioenergy
Bioenergy (IAE)	Bioenergy, Biomass, Structural biology, NMR, anti-HIV enzyme, Prion protein, Aptamer, Bioethanol
Fundamental Neutron Science (RRI)	Nuclear reactor experiment and analysis, Development of radiation detection system
Energy Transport (RRI)	Energy conversion, Thermal hydraulics, Multiphase flow, Neutron radiography
Thermal Energy Conversion	Thermal engineering, Power engineering, Internal combustion engine, Pollutant emission control, Alternative fuels
Conversion Systems	Thermo-fluid science, Combustion science and engineering, Alternative fuels, Laser diagnostics and image analysis, Computational fluid dynamics
Materials Design for Energy Systems	Strength of materials, Elastoplasticity, Macro-micro integrated analyses, Fatigue, Ceramic-coated materials



Design for Functional Systems	Functional and intelligent materials, Computational mechanics, Electromagnetic materials, Nondestructive evaluation by ultrasonics, Micromechanics of solids
Advanced Energy Conversion (IAE)	Plasma science and technology, Fusion technology, Fusion energy conversion, Fusion application, Fusion energy system design, Socio-economic evaluation of energy system, Social and environmental sustainability evaluation
High Quality Energy Conversion (IAE)	Plasma physics, Microwave technology, Accelerator Physics, Charged particle beam physics, Compact fusion neutron/ proton source
Functional Energy Conversion Materials (IAE)	Materials science for environment and energy, Fusion reactor materials, Nuclear materials, Nano-oxide particles dispersion strengthened alloys, Computational material science
Devices Physics	Crystal alignment techniques, Energy materials, Thin film growth, Magnetic alignment, Superconductors
Process and Energy	Applied superconductivity energy apparatus, Advanced electric power system, Thermal hydraulics in liquid gases
Materials Process Science	Materials processing, Aqueous/Electrochemical processing, Electrochemistry, Thin film coatings
Thermochemistry	Chemical thermodynamics, Thermochemistry, Steelmaking, Chemical sensors
Resources and Energy Systems	Eco-materials, Upgrade recycling, Materials nanotechnology
Advanced Processing of Resources and Energy	Thermal fluid engineering, Working processes, Advanced processing of energy, Computational physics, Process simulation
Mineral Processing	Resources processing Physical chemistry, Resource geology, Earth system chemistry, Materials tailoring
Quantum Radiation Energy Science (IAE)	Quantum radiation energy, Free-electron laser, Accelerator science, Radiation measurement
The Physics of Energy Materials (IAE)	Nanotechnology/science, Composite functional materials, Nanomaterials, Solid state physics, Quantum electronics, Environment-resistant materials
Photon Energy Science (IAE)	Laser science, Quantum electronics, Nonlinear optics, Atomic and molecular physics, Material processing

IAE : Institute of Advanced Energy

RRI : Research Reactor Institute

#### Food and water resources (Graduate School of Agriculture)

Laboratory name	Research keywords
Agronomy and Horticultural Science	Crop production ecology, Introduction to genetic analysis
Forest and Biomaterials Science	Tropical forest environments, Tropical forest resources, Forest management I, Forest management II, Fibrous biomaterials I
Applied Life Sciences	Bioregulation chemistry, Plant nutrients (function and acquisition), Microbial biotechnology
Applied Biosciences	Advanced genetics I, Current topics in marine microbiology, Reproductive biology
Environmental Science and Technology	Forest ecology, Tropical agricultural ecology, Agroecology of tropical crops, Special lecture on ecological information, Special lecture in ecological management, Agricultural facilities engineering, Agricultural process engineering, Physicality of agricultural products, Seminar I on agricultural process engineering, Seminar II on agricultural process engineering

Natural Resource Economics	Regional environmental economics I, Regional environmental economics II
Food Science and Biotechnology	Food engineering (advanced course)
All division	Outline of agricultural sciences in Japan, Agriculture and environment in Japan, Special lecture on comparative agricultural studies 1, Special lecture on comparative agricultural studies 2, Special lecture on comparative agricultural studies 4, Special lecture on comparative agricultural studies 5, Scientific communication 1, Scientific communication 2, Crop protection science, Basic concepts in sustainable agriculture

#### Public Health (Graduate School of Medicine)

Laboratory name	Research keywords
Global Health and Socio-epidemiology	HIV/AIDS, sexually transmitted infections, wellbeing of youth, epidemiology, mixed methods (qualitative method, quantitative method), social marketing, behavior science, Collaborating Centre for Socio-epidemiological HIV Research of the UNAIDS
Healthcare Epidemiology	Clinical epidemiology, Clinical evaluative science, Observational study, Outcomes research, Quality of life
Healthcare Economics and Quality Management	Health Care System, Quality of Care, Health Economics, Equity in Health Care, Quality Management System, Health Insurance System, , Universal Health Coverage
Health Promotion and Behavioral Medicine	Mental Health, Common mental disorders, Cognitive-behavior therapy, Systematic Review, Meta-analysis, Randomised controlled trial, Clinical epidemiology, Evidence-based medicine
Pharmacoepidemiology	Clinical trial, database research, drug utilization

#### All Field (Center for Southeast Asian Studies, Graduate School of Asian and African Area Studies)

Laboratory name	Research keywords
Human-nature dynamics	Natural resources, Ecology, Livelihood, Health, Enteric infection, Sustainable humansphere
Socio-cultural dynamics	Grassroot globalization, Care, Minority, Plantation, Elite, Nationalism
Economic and political dynamics	Rural economy, Social structure, Decentralization, Small business, Financial system

**AUN-KU Student Mobility Program toward  
Human Security Development**

「人間の安全保障」開発を目指した日アセアン双方向人材育成プログラムの構築

**Application Form for Admission, 2015**

2015 年度参加申請書

**1. NAME (名前)**

In native language : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(母語) (Family name) (First name) (Middle name)

In Roman block capitals : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(ローマ字表記) (Family name) (First name) (Middle name)

**2. NATIONALITY (国籍)**

Nationality : \_\_\_\_\_

**3. DATE OF BIRTH (出生年月日)**

\_\_\_\_ 19 \_\_\_\_\_  
(Year) (Month) (Day) (Age: as of January 1, 2015)  
(2015 年 1 月 1 日時点の年齢)

Paste a passport sized  
photograph. Write your  
name and nationality in  
block letters on the  
back of the photo.  
(W4cm×H3cm photo)

**4. PRESENT (MAILING) ADDRESS (連絡先)**

Address : \_\_\_\_\_  
\_\_\_\_\_

E-mail address : \_\_\_\_\_

Telephone number : \_\_\_\_\_

Facsimile number : \_\_\_\_\_

**5. NAMES OF UNIVERSITY AND DEPARTMENT (大学・学部名)**

University : \_\_\_\_\_

Department : \_\_\_\_\_

Graduated in (卒業年月) \_\_\_\_\_  
(Year) (Month)

**6. NAMES OF GRADUATE SCHOOL AND DEPARTMENT (大学院・研究科名)**

Graduate school : \_\_\_\_\_  
(大学院・研究科)

Division : \_\_\_\_\_  
(専攻)

**7. PRESENT STATUS WITH THE NAME OF THE UNIVERSITY ATTENDED OR EMPLOYER**

(現在の所属先における身分または職位)

\_\_\_\_\_

**8. NAMES OF UNIVERSITY, DEPARTMENT, DIVISION AND PROSPECTIVE SUPERVISOR  
YOU ARE APPLYING TO**

(入学を希望する相手側大学、研究科、専攻、受入教員名)

University : \_\_\_\_\_

Department : \_\_\_\_\_

Division : \_\_\_\_\_

Supervisor : \_\_\_\_\_

**9. CURRENT GPA : \_\_\_\_\_ / \_\_\_\_\_**

Date : \_\_\_\_\_

Signature : \_\_\_\_\_

# AUN-KU Student Mobility Program toward Human Security Development

## Detailed Educational Background and Employment History

Name: \_\_\_\_\_

Applying Division: \_\_\_\_\_

1. **Education** (list in order, from elementary school to the last school you attended; period of absence from school and period of military service should also be indicated, if applicable.)

Year and Month of entrance and completion	Name of institution	Minimum period required for graduation/completion
Enrolled in Year      Month		years
Graduated / Completed / Left in Year      Month		
Enrolled in Year      Month		years
Graduated / Completed / Left in Year      Month		
Enrolled in Year      Month		years
Graduated / Completed / Left in Year      Month		
Enrolled in Year      Month		years
Graduated / Completed / Left in Year      Month		
Enrolled in Year      Month		years
Graduated / Completed / Left in Year      Month		
Enrolled in Year      Month		years
Graduated / Completed / Left in Year      Month		

2. **Employment History** (list company/organization from which you retired, from which you are temporarily absent or in which you are currently working)

Period of employment	Name of company/organization	Position or job duties
From year      month		
To year      month		
From year      month		
To year      month		
From year      month		
To year      month		
From year      month		
To year      month		

(Note) Please list complete educational and employment history, without omission.

**AUN-KU Student Mobility Program toward  
Human Security Development**

**Application document for the Joint Supervision Single Degree Program**

Name: \_\_\_\_\_

Please fill in the following form in English (200-300 words for each item)

1. Statement of purpose

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