

Program Information

2016

2016 KOICA - HUFS Master's Degree Program in Atmospheric Environment

August 20, 2016 – February 20, 2018
Yongin, Korea

Korea International Cooperation Agency (KOICA)

Atmospheric Environment | HUFS Graduate School

Participants are strongly advised to thoroughly read and follow the provided instructions in the Program Information.

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The Korea International Cooperation Agency (KOICA) was founded as a government agency on April 1, 1991, to maximize the effectiveness of Korea's grant aid programs for developing countries by implementing the government's grant aid and technical cooperation programs.

In the past, development cooperation efforts were focused on meeting the Basic Human Needs (BHNs) of developing countries and on fostering their Human Resources Development (HRD).

However, the focus has now shifted to promoting sustainable development, strengthening partnerships with developing partners, and enhancing the local ownership of beneficiaries.

Additionally, global concerns such as the environment, poverty reduction, gender mainstreaming, and population have gained significant importance among donor countries.

Due to the continuously changing trends in development assistance efforts and practices, KOICA is striving to adapt to these changes by using its limited financial resources effectively on areas where Korea has a comparative advantage.

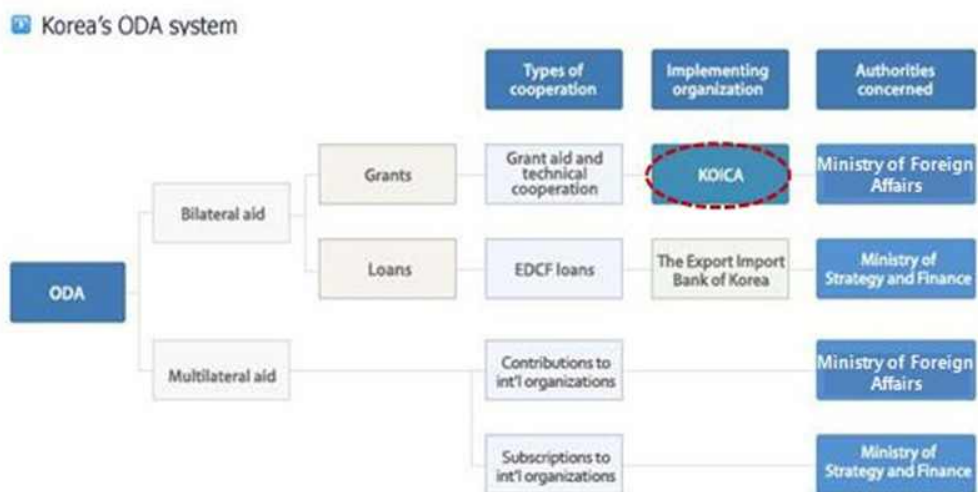
In particular, since Korea has the unique experience of developing from one of the poorest countries in the world to one of the most economically advanced, this know-how is an invaluable asset that helps KOICA to efficiently support the sustainable socioeconomic development of its partner countries.

Korea's ODA & Framework

Official Development Assistance (ODA) is composed of grants or concessional loans, which are provided to developing countries with the purpose of promoting economic development and welfare.

Korea's ODA is classified into three areas: 1) bilateral aid (grant aid & technical cooperation), 2) bilateral loans, and 3) financial subscriptions and contributions to international organizations (multilateral).

Bilateral aid is comprised of technical cooperation and various types of transfer (made in cash, goods or services) with no obligation for repayment, and is implemented by KOICA under the authority of the Ministry of Foreign Affairs in the Republic of Korea. Bilateral loans are provided on concessional terms under the name of the Economic Development Cooperation Fund (EDCF), implemented by the Export-Import Bank of Korea under the Ministry of Strategy and Finance. Multilateral assistance is delivered either as financial subscriptions or contributions to international organizations.



Korea's Experience and KOICA's Program for Human Resources Development

Human Resources Development (HRD) has been the most important factor in Korea's escape from vicious cycle of poverty and underdevelopment that had existed for many decades. With scarce natural resources, HRD played a vital role in modern Korea's development. Clearly, Korea has emerged as an exemplary showcase of national development powered by HRD.

From its own development experience, Korea came to fully recognize the significance of HRD, specifically in regard to Korea's collaboration with other developing countries. With much experience and know-how in HRD, Korea contributes greatly to the international community by sharing its unique development experience with other nations.

Since its establishment in 1991, KOICA supported a variety of international cooperation programs for HRD, mainly in project-type aid form, focusing on education and vocational training with a concentration in building a foundation for HRD.

The training and expertise-sharing programs help our partner countries build administrative and technical expertise in both the public and private sectors. In order to share experience at the grassroots level, under the name of World Friends Korea, KOICA dispatches Korea Overseas Volunteers to provide services in the fields such as education, regional development, computer science, health care and nursing. Approximately 7,806 volunteers have been dispatched to 57 countries thus far.

The training program provides opportunities to individuals from developing countries to gain first-hand knowledge of Korea's development experience. The purpose of the program is to enable the participants to apply what they learned for the development of their home country or local community. Since 1991, KOICA has offered 3,410 courses to 53,810 participants from 173 countries. There are a wide range of topics covered in the training program, including administration, economic development, science and technology, information and communication technology, agriculture and health. In order to meet the changing needs of partner countries, KOICA always strives to renovate and improve its HRD programs.

Types of KOICA Fellowship Programs

KOICA offers five major types of training programs:

1. Country Fellowship Program
Tailored programs that are specifically designed for an individual partner country
2. Regular Fellowship Program
Programs that are open to any interested partner countries
3. Special Fellowship Program
Programs that are temporarily available owing to particular commitments of the Korean as well as partner governments
4. Joint Fellowship Program
Programs conducted in partnership with international organizations and other agencies
5. Scholarship Fellowship
Master's degree programs offered to individuals from partner countries

KOICA's Scholarship Program

With a mission to nurture talented students from developing countries, KOICA invites high-caliber students from developing countries and helps them gain professional and systematic knowledge that will play a key role in their home country's development.

To accomplish this mission, KOICA has been operating master's degree courses with leading Korean universities in the fields of economics, trade, women's empowerment, rural development, etc.

In particular, this program has significantly strengthened the relationships between Korea and the students' home countries. Students, who have been given an opportunity to see Korea's experience in poverty reduction and socio-economic development, will gain a deeper understanding of Korea and contribute to the future social, political and economic ties between the two nations.

From 1997 to 2013, the program has assisted a total of 1,854 students through 92 courses. In addition, as of 2014, 290 participants will participate in 16 master's degree programs at 16 Korean universities.

KOICA Scholarship Program is fully committed to the Millennium Development Goals (MDGs) and is determined to expand its efforts to nurture future talents from developing countries to promote their countries' sustainable economic growth and social development.

Part II	PROGRAM OVERVIEW
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■ **Program Title: HUFS Master Degree Program in Atmospheric Environment
for Government Officials of Emerging Economies**

■ **Duration**

- Stay duration: August 20, 2016 ~ February 20, 2018 (18 months Study in Korea)

During the 18 months in HUFS, students are strongly recommended to complete their thesis.

- Academic duration: September 2016 – August 2018 (24 months)

In accordance to the university regulations, the diploma will be issued in August 2018.

■ **Degree: Master of Atmospheric Environment**

■ **Objectives**

- 1) To train atmospheric science professionals abroad to complete the advanced learning in current meteorological sciences and technologies.
- 2) To extend scientific insights and knowledges for reliable public meteorological information service including weather forecasts, warnings of severe weathers, and climate changes.
- 3) To build partnership among atmospheric science professionals from Korea and developing countries.

■ **Training Institute: HUFS Graduate School**

(<http://www.hufs.ac.kr/user/hufsenglish/>)

(<http://atmos.hufs.ac.kr>) ***available on May 23, 2016**

■ **Number of Participants: 15 Government Officials**

* Government officials from national meteorological service sectors such as Weather Service Agency with quantitative background preferred.

■ **Language:** English fluency that requires no translation

■ **Accommodations:** KOICA International Cooperation Center (ICC),
HUFS Global Campus Dormitory

- The dorm rooms are designed for double occupancy. However, single occupancy will be provided for each individual for the KOICA program.
- Each person is provided with a desk, a bed, a small refrigerator and a wardrobe.

Part III

HOW TO APPLY

1. APPLICATION ELIGIBILITY

KOICA-HUFS Scholarship Program applicants must satisfy all of the following requirements:

(1) Bachelor's degree by August 31, 2016

- GPA 3.3/4.3 preferred
- Natural Science and Computer Science majors (e.g. Atmospheric science, Earth Science, Oceanography, Environmental Sciences, Computer Science, Statistics, Mathematics etc.) with quantitative education/training for meteorology is strongly recommended.

(2) Citizen of Korea not held

(3) Government Officials

- Minimum of 3 years in weather service and education experience preferred.
- Private sector employees are not eligible

(4) English Proficiency

- Applicants must meet one of the English proficiency test minimum score requirements: TOEFL iBT 83, TOEFL PBT 560, TOEFL CBT 220, IELTS 6.5, TEPS 599, TOEIC 720 or higher.
- English proficiency tests should have been taken within two years from the deadline of the online application (valid test date: starting from September 21, 2014).
- Institutional Testing Program (ITP) is not valid.
- EPT report submission can be waived only for those who apply from a country where EPT is not available. **In this case, applicants are required to submit an official letter from the minister or governor of one's affiliation guaranteeing one's English proficiency equivalent to the required scores listed.**

(5) Others

- Be a citizen of the country which has a cooperative relationship with KOICA.
- Be a government/municipality official or a researcher / an instructor in state institute working in his/her home country with a Bachelor's Degree or higher
(Private sector employees are not eligible).
- Have a good command of both spoken and written English to take classes conducted entirely in English and to be able to write academic reports and theses in English.
- Be preferably under 40 years of age in good health, both physically and mentally, to complete the program.
 - *Pregnancy is regarded as a disqualifying condition for participation in this program.
 - *Having tuberculosis or any kind of contagious disease is regarded as a disqualifying condition for participation in this program.
- Not be a person who has withdrawn from KOICA's scholarship program.
 - *Person belonging to the institution in which candidates submitted false documents and returned to his/her country arbitrarily in the middle of SP program cannot be applied
- Have not participated in KOICA's scholarship program or any of the Korean government's Scholarship Program (Master's degree program) before.

2. ADMISSION PROCESS

Process	Dates
Step 1. Application Package Submission	June 10
Step 2. 1 st Round Selection Process Document Screening	June 17 ~ June 21
Step 3. 2 nd Round Selection Process Interview (University)	June 28~ July 1
Step 4. Admissions Notification	July 6
Step 5. Medical Check-up (local)	July 6 ~ Aug 1

※ The timeline in this table is based on the local time in South Korea and is subject to change.

► Post Admission

Arrival in Korea	Saturday, August 20
KOICA Orientation	Monday, August 22
HUFS Orientation	Wednesday, August 24
First Day of Class	Monday, August 29

(1) application package submission

- Prepare all required documents for your admission package and fill out the 'Document Checklist'. Check whether all information is correct.
- Submit the application package (including both HUFS and KOICA application forms and other required documents) to the regional KOICA office or Korean Embassy (if KOICA office is unavailable)
- Scanned copies are acceptable but original copies should be sent to HUFS before the phone interviews.

*** All documents should be sent to the regional KOICA office or the relevant government office.**

*** Please do not send the materials to HUFS.**

(2) 1st Round : Document screening

- Applicants nominated by the regional KOICA office or Korean Embassy (if KOICA office is unavailable) as a result of the on-site interview and have submitted their application packages are considered for document screening.
- Document screening will be processed by HUFS. Application package as well as the on-site interview result will be thoroughly reviewed by Admission Committee of HUFS Atmospheric Environment Graduate Program.
- Every component included in the application package such as the reputation of undergraduate school, undergraduate GPA, English proficiency, current affiliation, working experience will be evenly evaluated.
- The result for the 1st round selection will be announced to the applicants and KOICA respectively.

(3) 2nd round : Interview (university) with Skype

- An opportunity for a video interview (Skype) will be given only to those who pass through the 1st selection document screening successfully.
- The details of interview including interviewee list will be sent to the regional KOICA offices and interview arrangements will be made respectively.

(4) Admissions Notification

- Admissions results will be notified to the regional KOICA offices or Korean embassy. Registration instructions, course registration and other necessary steps will be guided to individuals

(5) Medical Check-up(Local)

- Applicants who successfully pass the 2nd round need to receive an additional medical checkup at the local hospital “designated by KOICA”. The reservation of the hospital and related information will be notified to the applicants individually by an organization responsible for arranging checkup schedule (TBD). Medical checkup fees will be fully covered by KOICA but the transportation fee has to be covered by the applicants themselves (please remember that transportation and accommodation fees will NOT be reimbursed).

- The medical check-up results will identify the applicants' health conditions, and KOICA will verify factors that hamper the completion of the scholarship program. The final acceptance of the program will be confirmed after the medical checkup results are examined.
- Upon request, individual medical checkup results can be provided by the KOICA program manager of KOICA HQ at least two weeks after the completion of medical checkup.
- The status as the participant for KOICA SP will be finalized and the acceptance for the program will be confirmed after medical check-up.

3. REQUIRED DOCUMENTS

0. Document Checklist	Check all the documents you included in your admission package. ("Check List for Application Documents")	Original copy
1. Application Forms	Complete both KOICA and HUFS applications and print out. Should be clearly typed. (Attachment #1, #2)	Original Copy
2. Recommendation Letter (ONE letter)	1) One recommendation letter from your supervisors in your workplace are required. (Attachment #3) 2) Students recommended by a ministry of developing countries should obtain the recommendation letter (signed and sealed) from his/her minister stating that the candidate will return to his workplace after finishing her/his degree at HUFS. The letter must be written on an institute letterhead showing the institute's full address, telephone and email address. The letter must be stamped with the institute's official seal. 3) Letters should be signed and sealed across the back of its envelope by a recommender. 4) We do not accept recommendation letters via email.	Original Copy
3. Degree / Diploma	1) An original copy of bachelor's(or above) degree certificate from every institution attended or attending are required.	Certified copy with official seal from the

	2) If a degree certificate or degree is not available, submit an official letter from the university indicating the date of graduation and the degree conferred.	Ministry of Foreign Affairs
4. Transcripts	1) An original copy of transcript must include a year-by-year record of courses from every institution applicants have attended or are attending. 2) The transcripts should include a statement of personal rank in department, if available. 3) If the CGPA / maximum score does not appear on the transcript, please submit a proof letter certified by the university, if available.	Certified copy with official seal from the Ministry of Foreign Affairs
5. English Proficiency Test Reports (EPT) OR Official Letter from Ministry	1) Applicants must meet one of the English proficiency test minimum score requirements: TOEFL iBT 83, TOEFL PBT 560, TOEFL CBT 220, IELTS 6.5, TEPS 599, TOEIC 720 or higher. 2) English proficiency tests should have been taken within two years from the deadline of the application (valid test date: starting from June 6 th , 2014). 3) Institutional Testing Program (ITP) is not valid. 4) EPT report submission can be waived only for those who apply from a country where EPT is not available. <u>In this case, applicants are required to submit an official letter (free style) from the minister or governor of one's affiliation which states that one's English proficiency is equivalent to the required scores listed in 1).</u>	Original or Certified Copy
6. Curriculum Vitae	Free style personal résumé	Copy
7. Copy of passport (applicant's)	A copy of passport (Include a copy of page showing the passport number, date of issue and expiration, photo, and name.)	Copy
8. Copy of identity documents (parent's)	An official document indicating parents' nationality, e.g. passports, national ID cards, etc. (Include a copy of page showing the passport number, date of issue and expiration, photo, and name.)	Copy

PART III. HOW TO APPLY

9. Pledge	KOICA-HUFS students pledge indicates one's determination on completion of study at HUFS and recognition of following all the regulations of KOICA and HUFS. (Attachment #4)	Original Copy
10. Employment Certificate	An official document proving your work experiences which should include- duration of employment, position, and job description should appear on the certificate or letter.	Original Copy
11. Statement of Purpose	Goal of study and study plan, Future Plan after study(Attachment #5).	Original Copy
12. TWO Photos	Passport-size photos with white-colored background.	Original Copy
Optional 1. List of Honors and Awards	1) If there are any honors, awards, fellowships, or any academic certificates and test reports during university please list them in order of importance in the list form. E.g. General Record Examination (GRE, GRE subject), Test of Proficiency in Korean (TOPIK), Korean Language Proficiency Test (KLPT), etc. (Form 6) 2) The list will be valid only when testimonials or evidences are submitted	Original Copy
Optional 2. School Profile / Credit Rating System	School profile and description of the grading system would help us understand better for evaluation	Original

*** Important Notes for All Applicants:**

1. All forms should be **typed in English** and all the supporting documents should be **in English**. Documents **in any other** language should be accompanied by a notarized **English** translation.
2. Original documents should be submitted. Should they be unavailable, however, copies must be authorized by the originating institution before they are submitted.
3. If any of the submitted materials contain false information, admission will be rescinded.
4. Applicants whose forms and supporting documents are incomplete or unsatisfactory will be disqualified from the admission process.
5. Applicants should take full responsibility for any disadvantage due to the mistakes or omissions on the application.
6. For more program information, forms of applications and supporting documents will be available on <http://atmos.hufs.ac.kr/> which will be open on May 23, 2016.

Part IV**PROGRAM CONTENTS****1. ACADEMIC SCHEDULE**

KOICA–HUFS Scholarship Program is run by half semester system. Each spring and winter semester consists of 16 weeks with 2 half semesters (8 weeks each). Summer and winter sessions are also run for 10 weeks from June to August and December to January.

Year	Semester		Schedule
2016	Arrival in Korea		Aug. 20
	Univ. Orientation & Check-in		Aug. 24
	Fall	1 st Half	Aug. 29 ~ Oct. 21
		2 nd Half	Oct. 24 ~ Dec. 16
	Winter		Dec. 19 ~ Jan. 31 (2017)
2017	Spring	1 st Half	Feb. 01 ~ Mar. 24
		2 nd Half	Mar. 27 ~ May 19
	Summer		June 01 ~ Aug. 25
	Fall	1 st Half	Aug. 28 ~ Oct. 21
		2 nd Half	Oct. 24 ~ Dec. 16
	Winter		Dec. 19 ~ Jan. 31 (2017)
2018	Winter / Spring	1 st Half	Dec. 21 ~ Feb. 20

* The above schedule is subject to change.

Pre-Enrollment Session Schedule

Date	Time	Content
Aug. 24 (WED)	10:00~12:00	Check-in
	12:00~13:30	Welcome Luncheon
	13:30~14:00	Break
	14:00~15:00	Welcoming Remark & Orientation
	15:00~16:30	IT Training, Registration, etc.
	16:30~17:30	Introduction of HUFS Atmospheric Environment Program
Aug. 25 (THURS)	10:00~12:00	School guide
	14:00~16:00	Korea culture
Aug. 26 (FRI)	10:00~12:00	Class information
	14:00~16:00	Campus Tour

2. ORIENTATION

When you first arrive, there will be an orientation for 2-3 days for KOICA's Scholarship Program at the KOICA International Cooperation Center (ICC). The orientation aims to provide participants with useful information on the program as well as general information on living in Korea that you will need during the program. Usually, the orientation is composed of two parts: KOICA's welcoming session and a medical checkup. The order of each part is subject to change.

Session	Date	Contents
Arrival	August 20, 2016	Arrival in Korea
KOICA Orientation	August 22, 2016	KOICA's welcoming session

* Before moving the dormitory, you will stay at KOICA International Cooperation Center (ICC).

a. KOICA's Welcoming Session

In the first part of the orientation, you will have a welcoming session which includes KOICA's welcoming reception, an introduction of KOICA and a course outline. Through this session, you can have an overview of the Scholarship Program. Lectures about Korean culture, as well as general information regarding daily life in Korea, will also be delivered in this session.

3. CURRICULUM

a. Credit Requirement

Students should complete 39 credits in total with completing course work, satisfying the following requirement for graduation and students can take 9~12 credits per 1 full semester.

Degree	General Requirement	Major Requirement	Major Elective	Research	Total
Atmospheric Environment (Thesis)	6 (Korean language) (Pass/Fail)	21	12	6 (Non credit)	39

b. Course Offering

Semester	Course Type	Credits	Course
Fall 2016 Total: 12 Credits	Mandatory	3	Introduction to Atmospheric Science
	Mandatory	3	Korean Language I
	Elective	3	Air Pollution and Dispersion Meteorology
	Elective	3	Atmospheric Measurements and Instrumentations
Winter 2016 Total: 6 Credits	Mandatory	3	Atmospheric Dynamics
	Mandatory	3	Korean Language II
Spring 2017 Total: 12 Credits	Mandatory	3	Numerical Weather Predictions
	Mandatory	3	Scientific English Writing I
	Elective	3	Climate Dynamics
	Elective	3	Atmospheric Chemistry or Remote Sensing
Summer 2017 Total: 6 Credits	Mandatory	3	Climate Change and Mitigation
	Mandatory	3	Scientific English Writing II
Fall 2017 Total: 9 Credits	Mandatory	3	Seminar in Meteorology
	Elective	3	Hydrology
	Elective	3	Statistics in Meteorology
Winter 2017 Total: 0 Credits	Mandatory	0	Thesis writing

Introduction to Atmospheric Science

A graduate-level introduction to the atmospheric sciences. Topics include the structure of atmosphere, atmospheric thermodynamics, cloud physics, radiative transfer, and atmospheric dynamics.

Korean Language I

Build the foundations of the Korean language speaking, listening, reading and writing using basic grammar and sentence structures.

Air Pollution and Dispersion Meteorology

Understand the physical and chemical processes during the episodic air pollution and dispersion phenomena. The processes and theoretical backgrounds for pollution emission, transfer, transformation and sinks will be addressed.

Atmospheric Measurements and Instrumentations

Understand atmospheric measurements systems and their applications. The class covers surface weather measurements, vertical sounding with balloons, lidar and sodar soundings, state-of art radar technology, satellite and remote systems

Atmospheric Dynamics

Understand atmospheric motions and their physical principles governing synoptic atmospheric conditions. The class addresses basic physical laws, such as laws of motion, laws of thermodynamics, continuity equation, ideal gas law to understand how the atmosphere behaves.

Korean Language II

Basic conversation practice focuses on speaking skills through various role plays. Writing component focuses on grammatical accuracy Vocabulary expansion through readings and conversations.

Numerical Weather Predictions

Introduction and application of numerical methods to solve the atmospheric governing for weather forecast. The lectures and labs cover numerical model formulation, physical process parameterization, data assimilation and their applications.

Scientific English Writing I

Students develop basic communication skills needed to work for thesis and scientific report through practicing scientific English writing as well as presenting their research in English.

Climatic Dynamics

The goal of this class is to explore the all basic components and processes of climate systems including atmospheric large scale circulation, oceanic circulation, atmosphere-ocean coupling, glacier, land surface, vegetation, and

their complex interactions and feedback according by natural and anthropogenic driving forces to climatic changes.

Atmospheric Chemistry

This class is designed to understand the chemical mechanisms and theories in atmospheric composition changes and air pollution. Basic introduction of atmospheric composition, structure, reaction kinetics, photolysis, homogeneous and heterogeneous reactions will be addressed. Also, major air pollution phenomena, such as photochemical ozone, stratospheric ozone depletion, acid rain, atmospheric aerosol formation will be explained.

Climate Change and Mitigation

The course will focus how the climate system works and how it changes, exploring cases and evidences with theories behind them.

Scientific English Writing II

Students develop basic communication skills needed to work for thesis and scientific report through practicing scientific English writing as well as presenting their research in English.

Seminar in Meteorology

This class is designed to provide students with a forum to publicly present and discuss their results from thesis preparations using literature reviews, scientific research or any individual studies. There will also be a couple of presentations by department guest speakers covering a wide range of environmental topics.

Hydrology

Understand the processes governing water cycles between the oceans, atmosphere, and land surface. In order to solve this intertwined interactions and complex problems adequately, overlying concepts, physical principles and research techniques need to be learned.

Statistics in Meteorology

Now days, analyses of atmospheric sciences data and models are heavily dependent upon statistical and probabilistic reasoning. This course will provide

students with basic statistical tools and knowledge especially for atmospheric science data.

Thesis writing

Each student is required to make a planned progress for thesis by his/her fifth semester (end of 2017) with conducting individual research or literature review. During the last semester (winter semester of 2017) in HUFS, each candidate for Master degree in Atmospheric Environments should submit a draft of thesis and make a plan for thesis defence presentation to academic thesis committee, which is open to general public.

The detailed schedules for thesis writing and completion is listed in next section following.




c. Thesis Completion

KOICA-HUFS scholarship program students are required to write a thesis as their research in their last winter / spring semester (2018) at HUFS and complete it under the guidance of the assigned academic advisors.

Thesis Schedule	
Sept. 2016~Feb. 2017	Submit plan for writing thesis
Mar. 2017~Aug. 2017	Discuss and confirm thesis topic under the guidance of academic advisor; Related research, database, references needs to be prepared in order to finalize the topic.
Sept. 2017~Dec. 2017	Conduct research and analysis data
Jan.~Feb. 2018	Should be in the final stage of writing the thesis under the guidance of the academic advisor and a mentor
Feb. 2018	Thesis presentation and submit printed draft of thesis
June 2018	Final version of thesis submission (Student's presence in school is not required)
Aug. 2018	Graduation (Student's presence in school is not required)

4. EXTRACURRICULAR ACTIVITIES (TENTATIVE)

a. Research Site TRIP (SITES MAY BE SUBJECT TO CHANGE)

Date	Activity	
Jan. 2017	Korea Meteorological Administration	 기상청
July. 2017	Korea Global Atmosphere Watch Center (in Anmyeondo Island)	
Aug. 2017	National Institute of Meteorological Sciences	 국립기상과학원
Oct. 2017	Annual Conference of Korean Meteorological Society	 한국기상학회 Korean Meteorological Society

※ Above schedule is subject to change

b. Networking Events

HUFS offers various networking events as below:

Date	Activity
Aug. 24-26	Orientation & Welcoming Ceremony
To be arranged	WISE Program International Workshop
Oct. 2017	Annual Korean Meteorological Society Conference
From third semester	Mentorship with professionals in KMA (Korea Meteorological Agency) and NIMS (National Institute of Meteorological Science)
To be arranged	Other Activities - Colloquium - Attending Special Lectures - Department Seminars

c. Cultural Events

HUFS offers various kinds of cultural events as below;

1) Sports Day

Every spring semester, Sports Day is held where all HUFS-KOICA members builds team work skills and social networks through sport games and other activities.

2) Student Festival

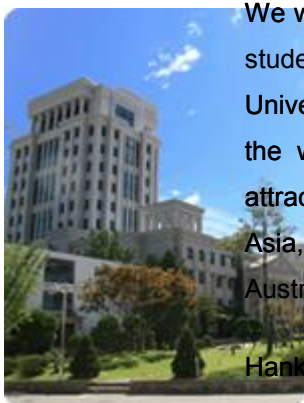
Student Festival is held every fall semester which offers fun & exciting experience of Korean festival culture.

3) Graduate School Workshop

GS workshop is held every spring and fall semester to help students bond together outside of school and offer a chance to meet HUFS alumni who are taking a successful career path after graduation.

Part V TRAINING INSTITUTE

1. GENERAL INFORMATION



We would like to extend a warm welcome to all international students who want to further their education at Hankuk University of Foreign Studies (HUFS). We are very proud of the wide range of academic courses we offer which are attracting increasing numbers of international students from Asia, the Middle East, Europe, the Americas, New Zealand / Australia and Africa.

Hankuk University of Foreign Studies (HUFS) was established in 1954. In addition to its focus on the theory and practice of foreign languages, HUFS also encourages students to use the language skills that they have acquired to study the politics, economy, society and culture of each region of the world. HUFS is a specialized university that educates students to become creative experts, international Koreans and independent researchers who will contribute to the development and exchange of culture.

With its large number of international faculty, a high percentage of Korean faculty members who have received degrees from foreign universities, and its ratio of Korean students who have lived or studied overseas and who return to campus speaking a wide variety of foreign languages, HUFS has been designated the most cosmopolitan university campus in Korea. We hope you will join us in the exciting educational endeavor which is international education. We will do our very best to make your stay at HUFS a profitable one for you in terms of both your personal and educational development.

Campus

- Seoul Campus (107, Imun-ro, Dongdaemun-gu, Seoul)
- Global Campus (81, Oedae-ro, Mohyeon-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do)

Schools

- General Graduate School
- Graduate School of International and Area Studies (GSIAS)
- Graduate School of Interpretation and Translation (GSIT)
- Graduate School of Education
- Graduate School of Business
- Graduate School of Politics, Government, and Communication
- Graduate School of TESOL
- HUFS Law School

◆ Seoul Campus Map of HUFS



◆ **Global Campus Map of HUFS**



◆ **Graduate School Administrations**

Dean
Dean of Administrative Affairs of the
Graduate Schools
Administration Team

Prof. Sung Chul, Han
Prof. Kyoung Ae, Kwon

Mr. Jong Hun, Lim
Mr. Jang Sik, Joo

◆ **Contact**

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2.PROGRAM OF ATMOSPHERIC ENVIRONMENT

Program of Atmospheric Environment

Graduate Program of Atmospheric Environment in HUFS is a core hub for Korean research and education to investigate the weather dynamics and climatical driving forces within atmospheric environments. This graduate program for Master and PhD degree has been established recently to support and collaborate with the broad activities of WISE (Weather Information Service Engine) research group in HUFS. Since 2011, WISE has been a leading institute for urban and agricultural meteorology with over 40 staffs and annual budget of ~ \$10 million supported by Korea Meteorological Administration (KMA). The rationale of Graduate Program of Atmospheric Environment is designed to develop a world-class research and educational platform in atmospheric science, which will lead to successful assessments of key elements for urban and agricultural meteorology, such as high resolution weather forecasting, extreme weather prediction and hydrological cycles. We encourage students abroad to join in our graduate program to enhance weather prediction capacity and climatic sustainability not only in local or regional but in global perspectives also into the appropriate level for our future life. Especially, for KOICA program students, KMA and HUFS are collaborating in higher education with research resources and teaching professionals.

Faculty in Atmospheric Environment Graduate Program



Soon-Chang Yoon

Distinguished Professor

Atmospheric radiation and optics

Emeritus Professor of Seoul National University

Ph.D. in Atmospheric Science at Oregon State University, USA



Gangwoong Lee

Professor

Atmospheric Chemistry

PhD. in Atmospheric chemistry at University of Rhode Island, USA



Taehyung Lee

Associate Professor

Atmospheric aerosol properties

Ph.D. in Atmospheric Science at Colorado State University, USA



Jeffrey Owen

Assistant Professor

Environmental Science and Forestry

Ph.D. in Environmental Science and Forestry at New York State University at Buffalo, USA

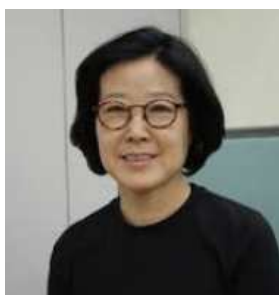


Grace Jho

Assistant Professor

Hydrology and water management

Ph.D. in Civil Engineering at Auckland University, NZ



Yongjin Choi

Associate Professor

Applied Meteorology

Ph.D. in Atmospheric Science at Yonsei University,
Korea



Sangil Kim

Assistant Professor/ WISE scientists

Atmospheric Data Assimilation

Ph.D. in Mathematics at University of Arizona, USA



Il-Soo Park

Research Professor

Atmospheric Dispersion and Transport

Ph.D. in Atmospheric Science at Yonsei University,
Korea



Yoo Won Chang

Research Professor

Environmental Science

Ph.D. in Environmental Science at HUFS, Korea



Moon-Soo Park

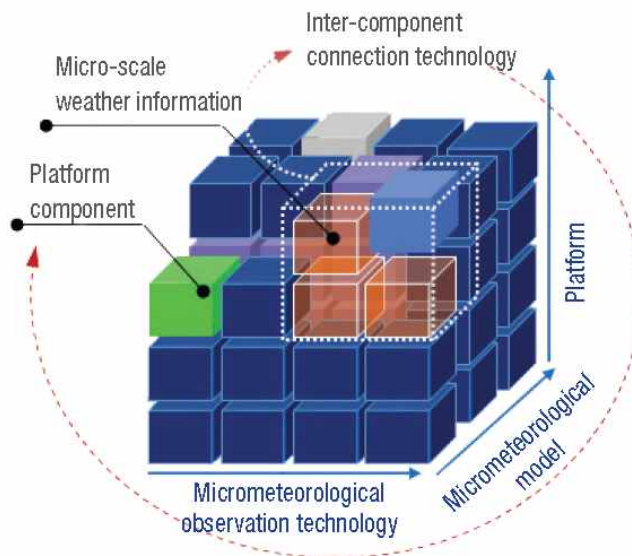
WISE scientists

Atmospheric and Weather Measurements

Ph.D. in Atmospheric Science at Seoul National University,
Korea

WISE Project Group

WISE Project Group in HUFS is a unique and leading institute in Korea to build an urban micrometeorological service engine that generates application / convergence information especially on urban and agricultural meteorology.

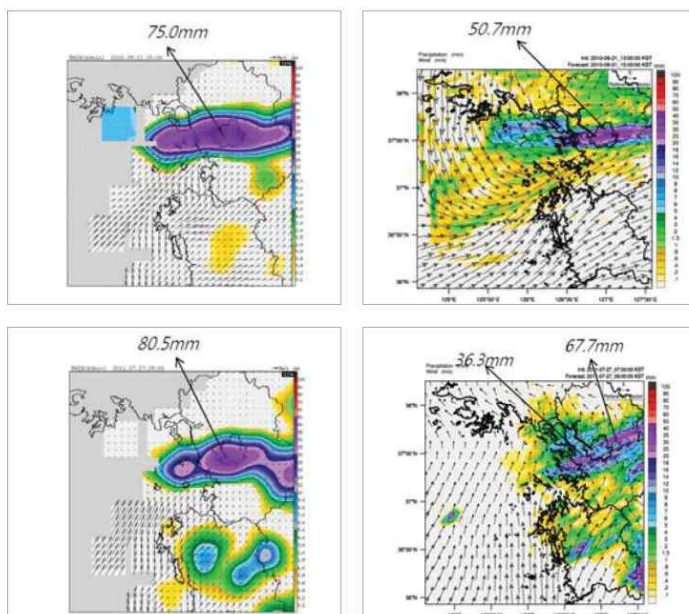


The project was initiated by the urgent needs to evaluate urbanization-induced weather changes and its amplications on damage to agroforestry and urban micro-climate changes including urban floods, road freezing conditions, dispersion of hazardous pollutants, and urban ecology changes. The goal of this project is to provide a reliable unified weather service to the public in general, especially in urban area. The full public service is expected to start by 2019. The WISE project will be implemented by four major research and development areas,

micrometeorological models, micrometeorological observation technology, ecological technology, and convergence of micrometeorological technologies.

a. Micrometeorological models

- Build the prototype of numerical micrometeorological models in the Seoul Metropolitan Area.
- Generate model components/input fields in line with high-resolution model areas.
- Achieve the stable numerical integration of high-resolution micrometeorological models.
- Conduct basic-level sensitivity experiments by physical solution.



Left row

Rainfall data and a wind field observed by AWS

Right row

1km resolution model rainfalls and a wind field

Top

Flood that hit Gwanghwamun (Sep. 21, 2010)

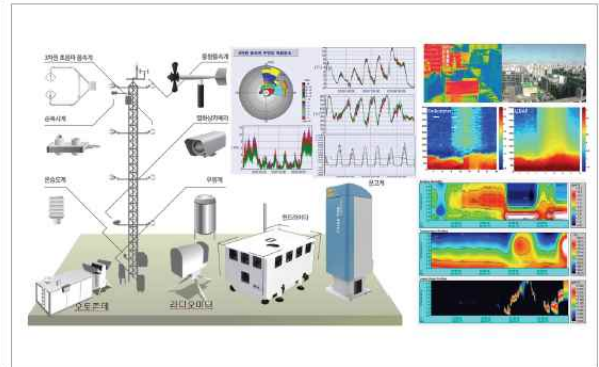
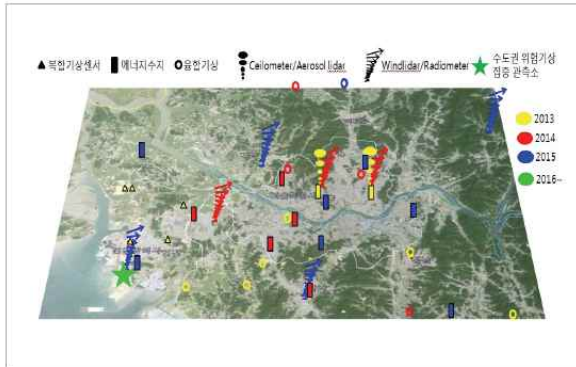
Bottom

Landslide that hit the Umyeon Mt. (Jul. 27, 2011)

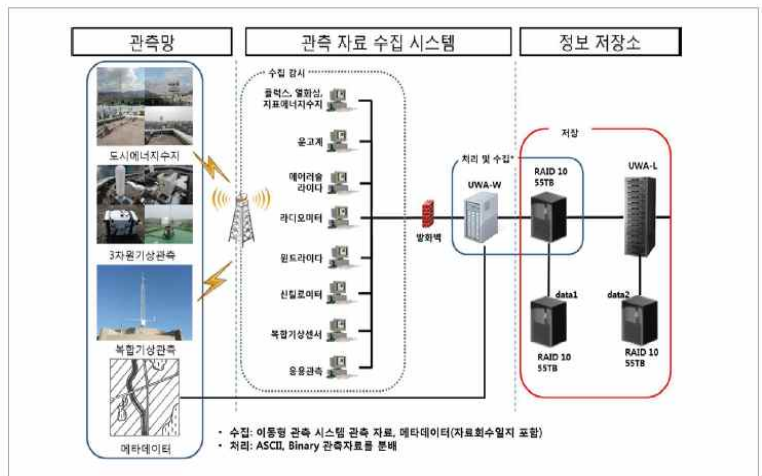
b. Micrometeorological observation technology

- Build urban weather stations, weather hazard stations, and convergence weather stations to observe the horizontal distribution of surface characteristic variables as well as the horizontal distribution and perpendicular profiles of weather / turbulence variables in the Seoul Metropolitan Area
- Standardization of metadata for urban meteorological observation

- Data acquisition and display system
- Data quality assurance / control system
- High-resolution and high-quality meteorological data
- Understanding of urban atmospheric boundary layer processes through well-defined meteorological observations



▲ Location of urban weather stations

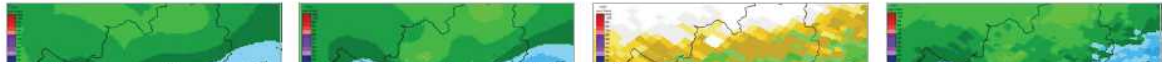


▲ Real-time data acquisition and display system

c. Ecological technology

- Develop convergence weather information generation technology in the fields of disasters, ecology of agroforestry, and urban planning & management on the basis of urban micrometeorological information

- Generate QPE/QPF on the basis of AWS-Radar (10-minute, 250m resolution level)



- Observe urban ecology and generate predictive information

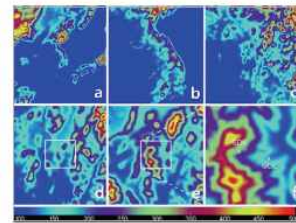


- ▲ Presentation of urban ecology observation data

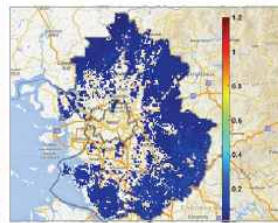
- ▲ Urban ecology information collection system



- Conduct cycle analyses of surface energy and material biogeochemistry while generating crop information



- ▲ Surface energy and cycle temperatures in test areas



- ▲ Crop coefficient

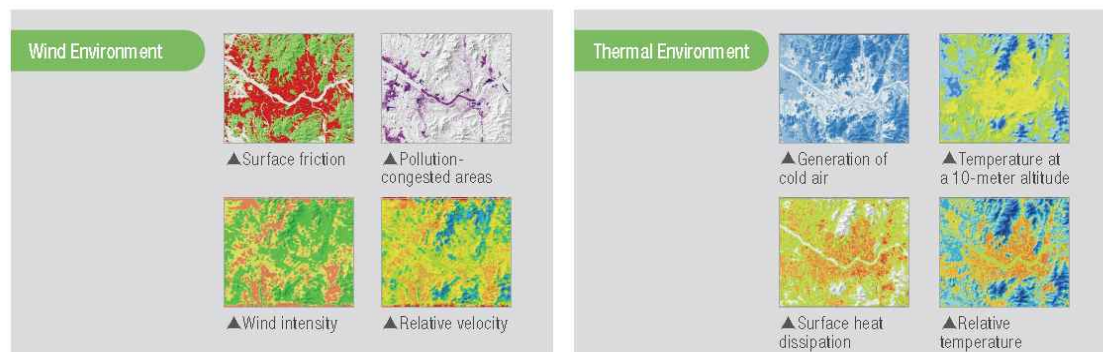


- ▲ Water use efficiency coefficient

d. Convergence of meteorological technology

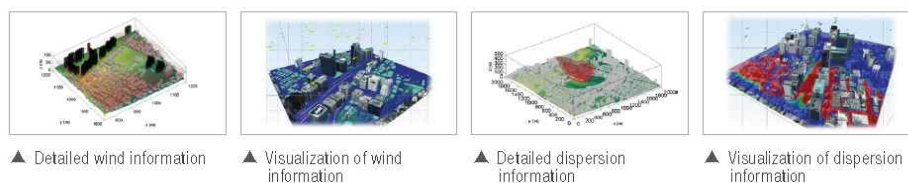
Develop Urban Micro-Weather Analytic Models

- Generate high-resolution (5m) micro-weather analytic information for urban planning & management purposes



Develop Technology to Predict the Dispersion of Hazardous Substances in Big Cities

- Generate detailed wind information and hazardous substance dispersion information in urban areas



3. ACCOMMODATION

HUFS offers accommodation facility for KOICA SP students (single occupancy). There are kitchen for your private use, religious facilities for diverse religion and other convenient facilities.



FACILITIES

➤Single Occupancy

We offer a desk, bed, wardrobe and etc. for KOICA SP students.

➤Air Conditioning

Residents have personal access to air conditioner in the room.

➤Internet Access

Residents can use internet by Lan or Wi-Fi in all of the dormitory buildings.

➤Security System

We set up security system and CCTV for your safety.

➤Network of Emergency

Residents can contact to dormitory staffs 24 hours against emergency.

➤Daily Necessities

Residents can borrow daily necessities such as iron or first-aid.

➤Fitness Center



➤Dormitory Restaurant



➤Laundry room



➤Dormitory Lounges



➤Convenient Store

➤Seminar Rooms



➤Cafe



➤Computer Rooms



Access to Global Campus

We provide international students with quality medical service through our on-campus Health Care Center. This center is open from 9:00 to 17:00 Monday through Friday. (Lunch hour: 12:00-13:00)

Access to Global Campus

➤Bus

- 1117, 1113, 1005, 1150, 1303, 60, 20

➤Subway

- Seohyeon Station, Moran Station, Jamsil Station transferring to bus

➤School Bus

- HUFS offers School Bus within Global Campus (every 5 to 10 minutes)
- HUFS offers School Bus between Seoul and Global Campus

Part VI**SUPPORT SERVICE****1. TRAVEL TO KOREA**

KOICA arranges and pays for the participant to travel to and from Korea. The participant is to travel by the most direct route between Incheon International Airport and a main international airport in the participant's home country. KOICA will cover economy class, round-trip airfare.

If a participant wants to change the flight itineraries, they should pay the additional airfare. The participant is responsible for the issuance of an appropriate visa (which must be the 'Study Abroad Visa [D-2]) necessary for this Scholarship Program. Should the participant be unable to get the appropriate visa before the date of entrance, KOICA is unable to provide any assistance and, if it proves necessary, participants may have to return to their respective countries to get the visa issued at their own expense.

2. EXPENSES FOR STUDY AND LIVING

The following expenses will be covered by KOICA and HUFS during the participant's stay in Korea.

- Tuition fee
- Accommodation sharing a room basis (mainly the dormitory of a training institute)
- Living & Meal allowance: KRW 999,000 per month
- Overseas travel insurance, etc.

(Unit: KRW)

Tuition Fee	Dorm Fee	Living Expenses
15,910,000/semester	150,000~170,000/month	999,000/month

In addition, participants may be invited to a special event organized by KOICA with the aim of promoting friendship among each other and understanding about Korea during the program.

3. INSURANCE

During the program participants will be covered by the “New group accident insurance (2)”. The insurance covers expenses for medical treatment and hospital care caused by diseases or accidents within the scope and limit of insurance coverage. Participants should first pay by themselves and then be reimbursed for the expenses later, on the condition that the case falls under the coverage of the insurance.

Limits of Coverage (subject to change)

- Death or Permanent Disability by Accident: KRW 100 million
- Medical Expenses by Accident: KRW 50 million
- Medical Expenses by Disease: KRW 50 million
- Death by Disease: KRW 100 million
- Liability: KRW 10 million (deductible: KRW 200,000)

Main Scope of Coverage

- Death or Permanent Disability by Accident & Death by Disease: The insurance shall pay the insurance money up to the above limit.
- Medical Expenses by Disease and Accident: The insurance shall cover the medical expenses at actual cost within the limit of the medical insurance subscription amount per case (for details, refer to the insurance policy)
- Medical checkup at the participant's option and the fee for a medical certificate and diseases caused by pre-existing medical conditions, etc. are not covered by the insurance.

※ *The insurance coverage is limited to the treatment incurred within Korea.*

Deductibles (Insured persons are responsible for deductibles, as described below.)

- 1) Maximum Coverage (Limit per day)
 - Outpatient services: KRW 250,000
 - Medicine: KRW 50,000
- 2) Deductible per day (outpatient)
 - Clinic: KRW 10,000
 - Hospital: KRW 15,000
 - University hospital, level 3 hospital: KRW 20,000
- 3) Deductible per day (medicine): KRW 8,000
- 4) Dentistry and Oriental (Chinese) medicine: Uninsured items and prosthetic dentistry
- 5) Hospital treatment
 - The beneficiary is responsible for 10% of the costs.
- 6) Orthopedics
 - Equipment and consumables (e.g., wristbands and cast shoes)
- 7) Fees for issue of certificates
- 8) In the case of uninsured items and material costs, a detailed statement must be submitted.
- 9) Receipts from medical institutions or pharmacies must be submitted. Credit card receipts will not be accepted.

Procedures, Services and Diseases Not Covered by the Insurance

- 1) Medical check-up, vaccination, nutritional supplements, and tonic medicines
- 2) Mental disease and behavior disorder
- 3) Dental care

※ *To receive dental care, prior consultation with the coordinator of KOICA is required.*
- 4) Congenital cerebropathy
- 5) Herbal remedies
- 6) Obesity
- 7) Urinary diseases: Hematuria and urinary incontinence
- 8) Diseases of the rectum and anus
- 9) Tiredness and fatigue
- 10) Freckles, hirsutism, atrichia, canities, mole, wart, pimple, and skin ailments such as hair loss due to aging
- 11) Medical expenses caused by treatments for enhancing appearance (e.g., double-eyelid surgery)

PART VI. SUPPORT SERVICE

- 12) Costs that are not related to treatments and medical check-up costs that are not related to a doctor's diagnosis.
- 13) Diseases that participants already had before arrival in Korea
※ Detailed information will be provided upon arrival

Part VII**REGULATIONS****1. ACADEMIC REGULATION****a. Attendance and Absenteeism**

1. Students are expected to attend all of the classes he/she has registered for each semester. Any student who, without good reason, has failed to attend class for at least one-third of the total classes shall be prohibited from sitting for the exam.
2. In the event a student will be absent for any of the reasons below, the student must notify the appropriate department, faculty, and dean and get approval in advance:
 - Death of an immediate family member (grandparents, parents, siblings) or equivalent circumstance
 - Academic planning, field-trips, on-location training, etc.
 - Participation in seminars or conferences (including international ones) as approved by the Graduate School Dean
 - Other events as approved by the Graduate School Dean
3. In the event of student illness or emergency situations, students who will be absent for less than seven days (including holidays and weekend days) need to submit written notification of such absence to the Graduate School Dean. For absences longer than seven days, students must submit a written diagnosis by a physician.

b. Must reside in a dormitory

- Students must reside in Graduate Students Dormitory of HUFS College of Business unless there is no vacancy in the dormitory. All rooms are double occupant and single rooms are unavailable. If there is no vacancy in the dormitory, HUFS and KOICA will arrange alternative accommodations.

c. Must abide by dormitory regulations

- HUFS College of Business has very strict dormitory regulations and all students must abide by them.
- A student who violates dormitory regulations will be evicted from the dormitory and he/she must return to her country immediately.

d. Light meals can be cooked in the communal kitchen

- Heating stove, fridge, microwave, sink and other basic facilities are installed.
- The kitchen needs to be in order and be cleaned by individuals who use the common area. Those who fail to maintain the kitchen tidy and neat will be given warnings. Three warnings will lead to a restriction in using the kitchen.
- Cooking inside the dormitory room is prohibited at all times.

e. Examinations and Grade Evaluations**(1) Minimum Grade Point Average Requirement**

- Anything below GPA 2.5 will be subject to academic warning. If students get GPA below 2.5 for 2 times, students will be expelled from school.

(2) Regular Exams and Make-up Exams

- Regular exams: Mid-term (8th week), Final (End of semester)
- Make-up exams: In the event a student cannot sit for an exam due to military service, illness, or any other emergency, the student must notify the faculty before the test date, and obtain the approval from academic advisor and chair professor of Finance MBA to sit for the exam at another time.

(3) Qualifications to Sit for an Exam

- Any student who, without good reason, has failed to attend class for at least one-third of the total classes shall be prohibited from sitting for the exam. In the event of illness or emergency situations, students need to provide a written explanation of their absence.

(4) Scholastic Performance Evaluation Method

- Scholastic performance will be based on GPA 4.3 for each course registered.
Grades will be based on classroom performance (presentations, attendance) and test performance (mid-term and final exams).
- Grades will be calculated on a curve as follows:
- A+ to A-: 40% of the students in the class
- Below B+: 60% of the students in the class

(5) Evaluation Standard: Evaluation Ranking

GPA	4.3	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0.0
Grade	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

2. PARTICIPANT'S RESPONSIBILITIES

Participants are required

- to take up the scholarship in the academic year for which it is offered (deferral is not allowed).
- to follow the training program to the best of their ability and abide by the rules of the training institute and KOICA.
- to reside in the accommodation designated by the training institute for the duration of the course except for holidays or temporary leave.
- to maintain an appropriate study load and achieve satisfactory academic progress for the course. If the participant fails to attain certain grades required by the university, his or her status as a KOICA program participant may be suspended.
- to participate in all activities associated with the approved course of study including all lectures and tutorials, submit all work required for the course and sit for examinations unless approved otherwise by the training institute in advance.
- to notify the training institute in advance and get an approval for temporary leave.
- to advise KOICA and the training institute of any personal or family circumstances such as health problems or family problems which may seriously affect their study.
- to refrain from engaging in political activities or any form of employment for profit or gain.
- to agree to KOICA collecting information concerning them and passing that information onto other relevant parties, if necessary.
- to return to their home country upon completion of their training program.
- not to extend the length of their training program or stay for personal convenience; neither KOICA nor the university will provide any assistance and be responsible for extension of their stay.

3. WITHDRAWALS

- In principle, a participant is not allowed to withdraw from the course at his or her own option once the course starts.
- A participant may withdraw with valid personal or home country's reasons (such as health or work issues) when acceptable to KOICA.

In this case, he/she is not allowed to re-apply for KOICA's scholarship program for the next two years after the withdrawal.

- If a participant fails to attain certain grades required by the training institute, he or she may be forced to withdraw and return home upon withdrawal.

In this case, he/she is not allowed to re-apply for KOICA's scholarship program.

- A participant who has withdrawn is not allowed to re-apply for KOICA's scholarship program for the next two years after the withdrawal.
- The participant who withdraws must return to the training institute the living allowance he or she has already received for the remaining period from the date of departure from Korea.

4. TEMPORARY LEAVE

- Participants can have temporary leave **during the school vacation** (to the participants' home country or for a trip abroad) on the condition that the trip does not affect their schoolwork and as long as they notify the university in advance.
- KOICA and the university do not pay airfare for the trip **and his or her living allowance will be suspended from the day of departure to the day of return during temporary leave.**
- If the participant is found to have made an unreported temporary visit to his or her home country or traveled to other countries or **made a trip despite the university's disapproval**, he or she may be suspended from the KOICA scholarship.

5. ACCOMPANYING OR INVITING FAMILY

- As KOICA's Scholarship Program is a very intensive program which requires full commitment and concentrated effort for study, **participants CAN NOT bring any family members.**
- KOICA does not provide any financial or other administrative support for the dependents of the participants.
- If a participant invites family members within the duration of one month, one must take a full responsibility related to their family members travel to and stay in Korea including administrative and financial support as well as legal matters in Korea. The participant is required to sign and submit the Written Pledge with supporting documents by acknowledging their responsibility and conditions of bringing their family members in Korea in advance. A copy of the Written Pledge is available at University Office.

6. OTHERS

- KOICA will assume any responsibility only within the limit and scope of the insurance for participants.
- KOICA is not liable for any damage or loss of the participant's personal property.
- KOICA will not assume any responsibility for illness, injury, or death of the participants arising from extracurricular activities, willful misconduct, or undisclosed pre-existing medical conditions.
- If the participants break any of the rules of KOICA and the training institute during their stay in Korea, their status as a KOICA program participant may be suspended.

Part VIII

CONTACTS

1. CONTACT INFORMATION

a. Korea International Cooperation Agency (KOICA)

- **Program Manager: Ms. Songi HAN**

Capacity Development Program Team

Capacity Development Department

- Address: 825 Daewangpangyo-ro, Sujeong-gu, Seongnam-Si, 461-833 Gyeonggi-do Republic of Korea
- Tel: +82-31-740-0416
- Fax: +82-31-740-0684
- E-mail: hsong2411@koica.go.kr
- Homepage: <http://www.koica.go.kr>

- **Program Coordinator: Ms. Hennah LEE**

- Tel: +82-31-8017-2673
- Fax: +82-31-8017-2680
- E-mail: hennah@global-inepa.org

b. HUFS Graduate School Administration Office

- Staff: **Mr. Jang Sik Joo**
- Tel: +82-2-2173-2387
- Fax: +82-2-2173-3369
- Email: jsjoo@hufs.ac.kr
- Homepage: <http://hufs.ac.kr/gra>

Appendix

facebook.com/koica.icc

The Fellows' Facebook is a place for fellows to ask questions and write comments on KOICA fellowship programs. So, if you have questions regarding our program, please feel free to join our Facebook community.



twitter.com/koica.icc

Do you have a Twitter account? It seems everyone does these days. If you have a Twitter account, be sure to follow us @koica_icc

