

Application Guide

2017 GKS for ASEAN Countries' Science and Engineering Students



1. Introduction of Kyung Hee University (www.khu.ac.kr)

- Established in 1949
- Maintains 3 Campus (Seoul, Global, Kwangnung)
- Since its founding, Kyung Hee has pursued Kyung Hee spirit of “Scholarship and Peace” as well as the founding principle of “Creating a Civilized World”
- Having partnerships with 520 universities and institutions from 77 countries around the world
- In the Times Education (THE) Asia University Rankings 2017, Kyung Hee jumped 6 spots to reach the top 30 universities in Asia for the first times. The University is also ranked first in the nation on international outlook
- At Global campus, located in Youngin, Kyung Hee has majors that cover entire engineering field. Furthermore, the campus is near the industrial area where Samsung Electronics is located.

2. Features

- Collaborative program of 3 majors : **Department of Mechanical Engineering, Department of Environmental Science and Engineering, and Department of Civil Engineering**
- Consists of lectures, researches, cultural experiences, and field trips to Korean industry
- Learn the latest trend and techniques of domestic industry through establishing assimilated program of Mechanical Engineering, Environmental Science and Engineering, and Civil Engineering. Based on the chosen subject of research, the campus provide customized practice and field trips to industries.
- Develop Basic Knowledge → Explore field of interest → Register for courses → Promote short-term major training through collaboration of industry-oriented education
- With Intensive Major courses, the campus enhances students to acquire/improve skills and knowledge, which can be applied at practical work-sites at their home countries

3. Cultural Experiences

- Korean Food, Korean Art, Korean Sports, Korean Dance
- Help for study and living from Korean friends : KHUddy(KHU Buddy Program)
- Weekend program: field trip, etc.

1) Korean Language Class (3hrs*6sessions, 18hrs in total)

Session	Title	Contents
1	Level-Test <Unit 1> Introduction to Hangeul <Unit 2-Greetings & Introductions>	Greeting, Introducing oneself,
2	<Unit 3-Restaurant>	Korean Food, Ordering
3	<Unit 4-Shopping>	Ask for product and price
4	<Unit 5-Daily Life>	Basic vocabulary
5	<Unit 6-Locations & Directions>	Traffic, Time
6	<Unit 7-Expression>	

2) Korean Culture(2hrs * 4sessions, 8hrs in total)

Session	Title	Contents
1	Korean Economy	Driving Force of Korean Economy
2	Korean Culture	Pluralism of Korea
3	Korean Politics	Characteristics of Korean Society, Korea's Reflection of World
4	Korean Wave	K-POP, Korean Drama: Globalization of Media

3) Korean Culture Experience(14hrs in total)

Session	Title	Hours	Contents
1	Korean Food	3 Hours	Making Tteokbokki
2	Korean Art	3 Hours	Drawing Folk Tales
3	Korean Dance	3 Hours	K-POP Dance
4	Korean Sports	5 Hours	Friendly Match of Taekwondo, Basketball, and Soccer

4. Course & Schedule(Tentative)

1) Program Overview

Contents		Period	Hours	Contents
Orientation		1 st Week (2 days)	16	Objective of Program, Lesson Plan, Campus Tour, Introducing Instructors, Special Lecture
Korean History and Culture		1 st ~ 2 nd Week	40	Korean Language and History: Politics, Economy, Culture
Major	Lecture	2 nd ~ 5 th Week	39	Theoretical Lectures and Special Lecture
	Experiment & Practice	2 nd ~ 5 th Week	60	1:1 Mentoring, Research Project
	Experience Cooperate Institution	2 nd ~ 5 th Week	21	Field Trips Visiting Industries and laboratories
	Subtotal		120	-
Final Briefing Session and Ceremony		5 th Week (3 Days)	24	Presentation of Research, Award for Best Trainee and Formation of Alumni Association
Total			201	-

2) Program Schedule

Week	Period	MON	TUE	WED	THU	FRI
		7/10	7/11	7/12	7/13	7/14
Week1	1	Orientation (Opening Ceremony, Introduction of Program)	Orientation Keynote Address (Vice President of KHU)	Korean Language Class1 Level-Test	Korean Language Class3	Cultural Experience1 -Korean Food
	2	Medical checkup Campus Tour Meeting with Mentor	Introduction of department (Dean of each department)	Korean Language Class2	Korean Language Class4	Cultural Experience2 -Korean Art (Drawing Korean Folk Tale)
	3		Level Test	Korean Economy	Korean Wave	Korean Politics

			(Basic Engineering Mathematics and Basic Korean)			
		7/17	7/18	7/19	7/20	7/21
Week2	1	[Lecture] Controls and Robot	[Lecture] Thermal Fluid Energy	[Lecture] Nano technology and Bio	[Lecture] Mechanical Engineering and production	Cultural Experience3 -Korean Dance
	2	[Research Project]	[Research Project]	[Research Project]	[Research Project]	[Field trip]
	3					KD Navien
		7/24	7/25	7/26	7/27	7/28
Week3	1	[Lecture] Renewable Energy	[Lecture] Air Pollution	[Lecture] Climate Change and Carbon Dioxide Reduction Technology	Korean Language Class5	[Field trip] Korea Energy Agency New & Renewable Energy Center
	2	[Research Project] Experimental Research Project on Renewable Energy	[Research Project] Experimental Research Project on Air Pollution	[Research Project] Environmental biogeochemistry	Cultural Experience4 -Korean Sports (Taekwondo and other sports activities)	[Field trip] National Institute of Ecology
	3					
		7/31	8/1	8/2	8/3	8/4
Week4	1	[Lecture] Ecology & Environment	[Lecture] Development of Advanced Building Materials Using Nano Technology	[Lecture] Water Grid Arrangement for Effective Water Resource Control	[Lecture] Risk Management of SOC facilities	[Field trip] Korea Railroad Research Institute
	2	[Research Project] Experimental Research Project on Ecology Environment	[Research Project]	[Research Project]	[Research Project]	[Field trip] Construction Site
	3					

		8/7	8/8	8/9	8/10	8/11
Week5	1	[Lecture] Soil Mechanics and Related Issues	Lecture Evaluation	Closing Workshop	Closing Workshop	Closing Ceremony
	2	[Research Project]	Korean Language Class6 <Unit7> Expression			
	3					

* Research topics should be related to course materials.

* Time Table

Period1 (09:00-12:00), Lunch time (12:00-13:00), Period2 (13:00-16:00), Period3 (16:00-18:00)

5. Faculty Members

[Department of Mechanical Engineering]





	Jin-Hwan Choi, Ph.D. Professor Multibody Dynamics University of Illinois at Chicago, jhchoi@khu.ac.kr		Choong-Yeop Lee, Ph.D. Associate Professor Fluid Dynamics University of California, Los Angeles cylee@khu.ac.kr
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[Department of Environmental Science and Engineering]

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[Department of Civil Engineering]

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For more information

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