



**E B A**

UNIVERSITY CONSORTIUM FOR  
EVIDENCE BASED APPROACH  
TO EMERGING ISSUES IN ASIA

2016-2017



Keio University

# WHAT IS EBA?

EBA Consortium is a University Consortium for Evidence-Based Approach (EBA) designed to solve emerging policy issues in Asia. EBA, by combining the field-based observation and evidence-based analysis, is an approach for the problem-finding, analysis and problem-solving. It makes use especially of the Big-Data (data collection, analyses, and visualization), which commands considerable attention lately. A evidence-based approach is practiced in, for example, the evidence-based medicine, which is designed to fuse broad medical research accomplishments with highly specialized clinical knowledge.

Business enterprises, local government organizations, universities and the like do offer and make available numerous open data in the information society, and it is imperative to develop human resource trained in the evidence-based approach, i.e., those who are versatile in making use of these data. EBA Consortium is making it possible to develop talented personnel capable of finding and solving problems by way of evidence-based approach through collaboration with leading universities in the ASEAN region.

Consortium-participating universities jointly design the curriculum, offer courses reflecting unique features of participating countries and universities to all students from the participating universities. The Consortium achieves this through the combination of the digital communication infrastructure such as distance learning and workshops, and the off-line activities such as fieldworks and internships implemented in ASEAN region and Japan.

## PARTNER UNIVERSITIES

Consortium partner universities jointly design the EBA course curriculum and offer courses in their own expertise to students from the partner universities. As of November 2016, this consortium is composed of 9 institutions in seven countries.

### Japan

KEIO UNIVERSITY

### Philippines

UNIVERSITY OF THE PHILIPPINES DILIMAN

### Malaysia

UNIVERSITY OF SCIENCE, MALAYSIA  
UNIVERSITY OF MALAYA

### Thailand

CHULALONGKORN UNIVERSITY

### Indonesia

INSTITUTE OF TECHNOLOGY BANDUNG  
BRAWIJAYA UNIVERSITY

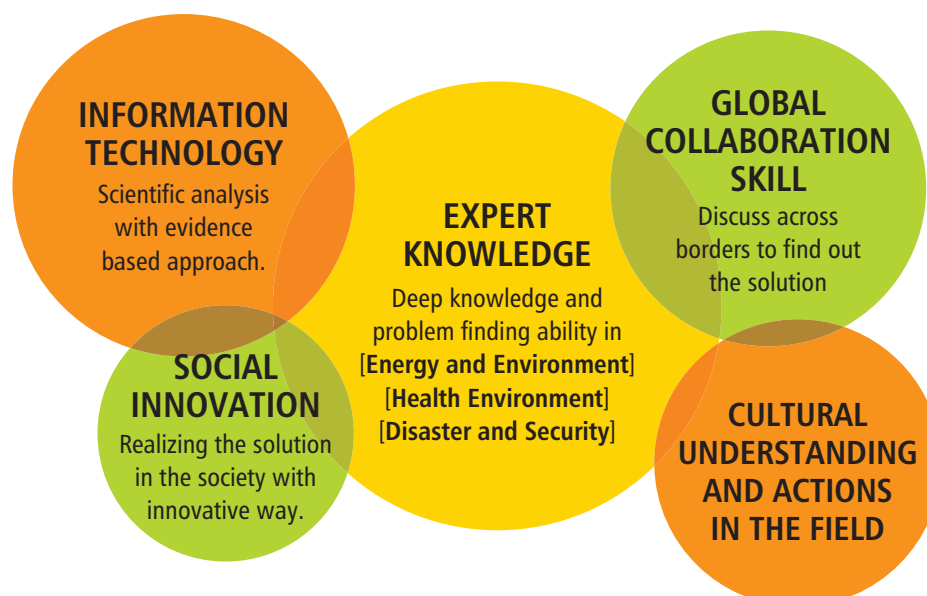
### Vietnam

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

### Myanmar

UNIVERSITY OF COMPUTER STUDIES,  
YANGON

\* This program is under the auspices of Re-Inventing Japan Project by Ministry of Education, Culture, Sports, Science and Technology of Japan (since 2012).





EBA Consortium covers “Environment and Energy,” “Health and Public Health,” “Disaster Prevention and Security” as its three major areas of concerns, and helps develop human resources well-informed of interdisciplinary skills and knowledge.

EBA Program is the curriculum that the Consortium-participating Universities jointly design, consisting of “EBA Core Courses,” “Practical Courses” and

“Specialized Courses.”

Through the program, participating universities offer, to each other, courses unique to each. It also offers fieldwork programs and internship programs through collaboration with industries, government organizations and business enterprises in respective countries and regions.

### EBA Core Courses

Core Courses aim at developing problem-finding and problem-solving abilities with “resilience,” “innovation,” and “sustainability” informing these abilities. The courses have, as its supporting pillars, scientific analytical ability, information technology, governance, and social innovations.

- Knowledge skills
- Governance
- Social Innovation
- Advanced IT

### Practical Courses

Practical Courses include internship programs, fieldwork course, and courses of languages and cultures in the ASEAN region. They are designed to help students acquire practical ability of a global scale, through the exchange experiences with the students of diverse backgrounds and the exposure to the diversity of the ASEAN region as a whole. “Internship courses,” stimulate participation in diverse internships, and help students develop career paths in the ASEAN region.

- Internship
- Fieldwork  
(short-termed and long-termed)
- Supporting Subjects  
(Language, Culture of ASEAN and Japan)

### Specialized Courses

Specialized Courses focus on the fields of “Energy and Environment,” “Health Environment,” and “Disaster Prevention and Security.” They are designed to develop specialized knowledge in each of the above, and offer instructions in practical evidence-based approaches, thereby putting the problem-finding and solving into practice.

- Energy & Environment
- Health Environment
- Disaster and Security



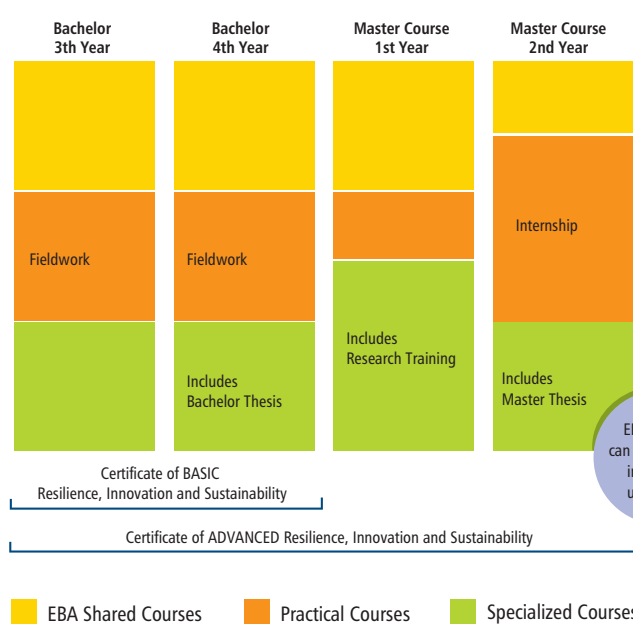
# EBA CERTIFICATES

The students by taking the courses in the EBA program are entitled to receive, in addition to the credits and the respective degrees from their respective universities, the “Component Certificate” and the “Program Certificate,” issued by EBA Consortium.

The “Component Certificate” is a course-based award when students produce the evidence of accomplishments, equivalent to credit earning, from completing the courses within EBA program. The “Program Certificate” includes “BASIC Certificate for Resilience, Innovation and Sustainability” for the undergraduates and “ADVANCED Certificate for Resilience, Innovation and Sustainability” for Master’s degree students. EBA Consortium issues these certificates at the time of graduation to the students who earn appropriate respective Component Certificates in the individual universities.

We are aiming at building a high-caliber educational program, first, by constructing a system where EBA Consortium will vouch for the record of the students’

academic performance and ability through these EBA-issued certificates. Also, eventually, we build a double-degree program where the certificate serves as accreditation, and another where the Basic Certificate paves the way for the students to study abroad within the ASEAN region.



EBA Courses can be continued in overseas universities



The EBA Program, jointly with all participating universities, designs the educational curriculum based on the evidence-based approach. In it, for some courses such as data science (statistics) which the use of the native language is appropriate, we make use of the existing courses offered at the individual universities. We offer those courses in English, which reflect the unique characteristics of the participating universities, and offer them through the On-Demand archives and the distance-conference systems among the participating universities.

One of the Practical Courses offered since 2014, “Elementary Japanese Conversation,” is designed for those ASEAN students visiting Japan for fieldwork and internship. The course helps students to familiarize themselves with Japanese greetings, showing gratitude, or striking simple conversations with the locals; requesting support for sustaining certain religious requirements and/or for launching the initial steps for research. We are planning also to reverse the process, by designing courses for languages in visiting countries in ASEAN region.

#### **COURSES 2015/2016** (List of courses offered by Keio University)

COURSE	TITLE	CATEGORY	LECTURER
CORE	Management of Emerging Business	Social Innovation	Prof. Jiro Kokuryo, Dr. Masaki Umejima
CORE	Internet Measurement and Data Analysis	Advanced IT	Dr. Kenjiro Cho
CORE	EBA Workshop	EBA Basics	Prof. Keiko Okawa
CORE	Asia Workshop	Policy and Governance	Prof. Michio Umegaki, Dr. Vu Le Thao Chi
CORE	Region and Society (Asia-Pacific)	Policy and Governance	Dr. Ken Jimbo
CORE	Information Visualization	Data Science	Prof. Toshiyuki Masui
CORE	Big Data Processing	Information Technology	Dr. Keisuke Uehara
SPECIALIZED	Social Security Policy (Disaster)	Disaster and Security	Dr. Satoko Oki
SPECIALIZED	History of City and Living Environment	Energy and Environment	Dr. Naoto Nakajima
PRACTICAL	Science, Technology and Culture	Culture	Prof. Kyoko Inoue
PRACTICAL	Elementary Japanese Conversation	Culture	Ms. Kuniko Matsumoto





EBA Open Seminar is an open and casual monthly meeting to share the EBA related information and discuss various topics related to the program. Participating universities take turn in determining the topics for discussion.

Participants are not only the EBA faculty members and students alone. Sometimes, invited speakers join in sharing the updated information concerning EBA-relevant new developments, or the update on fieldwork and internship programs.



## EBA OPEN SEMINARS

SESSION	MAIN TOPIC	DATE
1st EBA Open Seminar	<b>Introducing EBA</b>	Jul 11th 2013 (Tue) 15:00-18:00 JST
2nd EBA Open Seminar	<b>Minamata Fieldwork [Students Presentation</b>	Oct 2nd 2013 (Wed) 18:00-20:00JST
3rd EBA Open Seminar	<b>Graduate School of Science and Technology</b>	Nov 6th 2013 (Wed) 18:00-20:00 JST
4th EBA Open Seminar	<b>Data Science</b>	Dec 4th 2013 (Wed) 18:00-20:00 JST
5th EBA Open Seminar	<b>Entrepreneurship Education</b>	Jan 8th 2014 (Wed) 18:00-20:00 JST
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21st EBA Open Seminar	<b>Fieldwork Reports by Participants: Part1</b>	Mar 9th 2016 (Wed) 18:00-20:00 JST
22nd EBA Open Seminar	<b>Fieldwork Reports by Participants: Part2</b>	Apr 5th 2016 (Tue) 18:00-20:00 JST
23rd EBA Open Seminar	<b>Introduction to EBA Fieldworks 2016</b>	May 11th 2016 (Wed) 17:30-20:00 JST
24th EBA Open Seminar	<b>Orientation for Minamata and Malaysia Fieldwork</b>	Jun 29th 2016 (Wed) 18:00-20:00 JST
25th EBA Open Seminar	<b>Orientation for Tsuruoka and Fujiyoshida Fieldwork</b>	Jul 20th 2016 (Wed) 17:00-18:30 JST
26th EBA Open Seminar	<b>Fieldwork Reports by Participants: 2016 Spring-Summer</b>	Sep 14th 2016 (Wed) 17:00-19:30 JST



Fieldwork Course is an EBA “Practical Course” and is conducted either in Japan or in an ASEAN area where students from different countries get together and study together through on-hand fieldwork activities. For 2016, EBA organized several fieldworks: Minamata (KEIO), Tsuruoka (KEIO), Fujiyoshida (KEIO), Philippines (UP), Vietnam (HUST/KEIO), and Malaysia (USM) Fieldwork. In early 2017, Thailand (CHULA), Malaysia (UM), Myanmar (UCSY), and Sanriku (KEIO) Fieldworks are expected.

EBA fieldwork provides an environment for students to mingle and study together as well as organize workshops including courses about local language and local culture, evidence-based approaches such as data-collection and analysis, and its visualization.



### Minimata Fieldwork 2016

#### Public Health and Environment @ KEIO

Students learn the history of Minamata Disease through visits to associated facilities at Minamata city, and interacting with local government officers and local residents. In addition, students develop ideas as to how to tackle similar environment problems in ASEAN and to promote local industries by observing local initiatives.



### Fujiyoshida Fieldwork 2016

#### Energy and Environment @ KEIO

This fieldwork, conducted at Fujiyoshida city, next to the Mount Fuji, entails activities for the study of environment from both natural and social sciences perspectives. Participants learn from setting up camera traps to sampling on the growth of trees, and other skills for measuring the bio-potentials and the conditions of wild habitats.

### Philippines Fieldwork 2016

#### Energy and Environment @ UP

This fieldwork was conducted in Manila and Baguio, Philippines. Students learned the environmental issues on waste disposal and water quality degradation through fieldwork experiences at the Payatas dumpsite and at small scale mining communities in Benguet, and proposed possible evidence-based solutions to these issues.

### Malaysia Fieldwork 2017

#### Energy and Environment @ UM

In February 2017, this fieldwork will be held in Kuala Lumpur and Selangor, Malaysia. Students will be introduced to the selected eco-tourism activities held in Ulu Gombak and Kuala Selangor Nature Park to understand the current situation and recognise the problem of eco-tourism in Malaysia to help solve the problem face in the eco-tourism industries.

### Thailand Fieldwork 2017

#### Disaster Management and Security @ CHULA

This fieldwork, scheduled for February 2017, will focus on the use of big data to help prevent and mitigate the effects of natural disasters such as earthquake, drought, and flooding. They will learn how big data differs from traditional data, and will experience first-hand how big data is used to manage flooding risk.

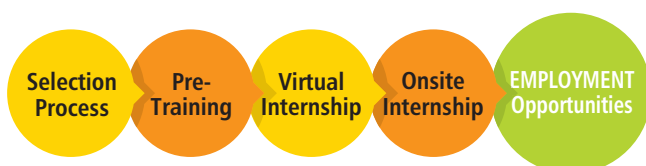


EBA Internship Program is a collaborative program between EBA Consortium and industrial organization, committed to support the career development for human resources that are ready-to-work and are active in ASEAN region.

One of the special features of EBA Internship Program is that the close collaboration between the receiving business firms and the sending universities, from the student selection process to the receiving process. As of now, EBA Internship Program has been bringing students from ASEAN partner universities to Japan for internship at companies including Yamaha, NTT Data, and Weathernews.

EBA Consortium also offers a pre-training session including practical courses about language, logical communication, business cases, and culture to increase readiness of students for internship. Moreover, the selected students will be not only learn about business manners, national traits by participating in workshops at Universities and through the time spent at companies, but also have an opportunity to communicate and present their accomplishment to top management of companies.

Among the students from ASEAN coming to Japan for Internship Program, there are some who continues to work at Japanese companies after graduation.



Partner companies will be able to recruit suitable students from the top universities in ASEAN through such opportunities as EBA Internship Information Session, and Virtual Internship (online presentation and interview).

## CONTACT

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