

INTRODUCTION

Water is one of key elements in sustainable development. Through its essential role in the production of most goods and basic services, water resources underpin the very fabric of human life. Not only characterizes the societies and environment we live-in, water also has even broader influence in many aspects of life. In some countries, for example, water also often plays an important role in the cultural identity or the religious beliefs of local people. However, in many parts of the world, water availability is severely limited as demand for water is already much greater than the available supply. In fact, this is not an issue that affects only developing countries, where water infrastructure is poor and where many people do not have access to safe drinking water, but also the developed world, where burgeoning demand simply cannot continue to be met. In addition, the rapid growth of population and economic has given huge pressure on the land use change, water pollution, climate change, et cetera so that the water security and environmental protection is now really a global concern.

Based on the above reason, the 3rd Water Intensive Course which will be hosted by Universitas Katolik Parahyangan starting from 11 – 17 January 2017 in Bali, is not only aimed to expose the issue of how water has benefit and been exploited so far, but also provide some engineering perspectives of how both water and environment should be managed under such complex situations. To enrich the content, this program will also introduce how local excellence has been a strong point in valuing the water and environment. Besides lectures, the program will also allow participants to learn deeper from site visits or movie discussion and experience the nature of Bali as its development has been a very challenging issue but still contains rich of valuable cultures.

OBJECTIVES

The 3rd Water Intensive Course program is aimed: to increase the awareness of water insecurity and environmental degradation; to introduce new perspectives as regard to water resources management and environmental protection; to provide opportunity to the participants to explore deeper about valuable local excellence; and to promote Indonesian cultures.

WHO CAN PARTICIPATE AND HOW

The 3rd Water Intensive Course program is offered to any international undergraduate student from who has strong motivation to improve his/her knowledge in water resources management and environmental protection. Thus, filling in the application form is necessary to collect some basic data of the student, understand the level of student knowledge, and measure his/her capacity to enroll the program. The application can be then submitted to the committee via WIC2017@gmail.com. The total cost required to enroll the program is USD 1,200 per person. Payment can be done by transfer as soon as the student is considered pass the selection process.

WHAT WE PROVIDE

When the student is selected to participate in the program, the student deserves to get pick-up and drop off service from / to Ngurah Rai Airport in Bali, shared-based accommodation, inland transportation related to the program, daily breakfast and lunch for most activities, welcoming and closing dinner, and entry ticket to the related cultural activities. During the program, student will also be given time in the evening to explore on the local culinary. Students coming from our partner universities will also be able to join the 6th International Student Conference that will be held from 18 – 25 January 2017 in Bali.



3RD WATER INTENSIVE COURSE

WATER SECURITY AND ENVIRONMENTAL PROTECTION

BALI, 11 – 17 JANUARY 2017



UNIVERSITAS KATOLIK PARAHYANGAN
CIVIL ENGINEERING DEPARTMENT – FACULTY OF ENGINEERING
94 CIUMBULEUIT ROAD, BANDUNG, INDONESIA

3rd WATER INTENSIVE COURSE PROGRAM TIME TABLE

WATER SECURITY AND COASTAL PROTECTION – BALI, 11 – 17 JANUARY 2017

Time	Wednesday 11 Jan 2017	Thursday 12 Jan 2017	Friday 13 Jan 2017	Saturday 14 Jan 2017	Sunday 15 Jan 2017	Monday 16 Jan 2017	Tuesday 17 Jan 2017
07.00 – 08.00		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
08.00 – 08.30		Introduction	Lecture 3 – Coastal protection by Leo Sembiring, Ph.D.	Lecture 5 – Hydrological Modeling and Flow Forecasting System by Doddi Yudianto, Ph.D.	Self-introduction	Trip to Penglipuran Village and Tirta Empul Temple	Project proposal completion
08.30 – 09.00		Lecture 1: Water security and IWRM by Prof. R.W. Triweko					
09.00 – 09.30				Lecture 4 – Water Supply and Reservoir by Ir. Bambang A.R., M.Eng.	Coffee break	Lecture 6 – Water Distribution System by Kang Doosun, Ph.D.	Deep observation on local excellence
09.30 – 10.00							
10.00 – 10.30		Learning bahasa Indonesia	Presentation preparation	Lunch	Lunch	Working on reservoir simulation facilitated by Steven, Obaja, and Finna	Project presentation
10.30 – 11.00							
11.00 – 11.30		Lunch	Site visit to estuary dam in Kuta	Discussion on problem identification	Assignment presentation	Trip to Ubud	Best proposal awarding - certificate
11.30 – 12.00							
12.00 – 13.00		Lecture 2 – Water and Food Security by Samuel J. Sutanto, Ph.D.	Field observation and data collection: Seminyak	Preparation of project proposal by Dr. Ida Susanti	Coffee break	Free time at Ubud	Closing dinner
13.00 – 13.30							
13.30 – 14.00		Coffee break	Dinner at participant cost	Assignment distribution and free time	Field observation and data collection: other areas	Trip back to hotel	
14.00 – 14.30	Arrival of participants in Bali, pick up service to hotel						
14.30 – 15.00			Explanation of final project delivery	Dinner at participant cost	Dinner at participant cost	Dinner at participant cost	
15.00 – 15.30							
15.30 – 16.00		Field observation and data collection: Legian and Kuta	Trip back to hotel	Dinner at participant cost	Dinner at participant cost		
16.00 – 16.30							
16.30 – 17.00		Registration	Trip back to hotel	Dinner at participant cost	Dinner at participant cost		
17.00 – 17.30							
17.30 – 18.00		Dinner at participant cost	Trip back to hotel	Dinner at participant cost	Dinner at participant cost		
18.00 – 18.30							
18.30 – 19.00		Welcoming dinner	Trip back to hotel	Dinner at participant cost	Dinner at participant cost		
19.00 – 21.00							
21.00 – 22.00							

IMPORTANT DATES

Application submission : 11 November 2016
 Announcement of selected participants : 18 November 2016
 Travelling and course guide distribution : 16 December 2016
 WIC program : 11 – 17 January 2017
 ISC program : 18 – 25 January 2017

CONTACT PERSON

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APPLICATION FORM

Download at
<https://drive.google.com/open?id=0Byogs5fS4WtmNENLWUpVWGNawDg>

Students coming from Unpar's partner universities will also be able to join the 6th International Student Conference that will be held from 18 – 25 January 2017 in Bali if he/she is registered at Water Intensive Course Program.

- WATER INTENSIVE COURSE 2017 -