



The Changing Coast

Term 1 2023

Unit Outline

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Unit schedule

The following schedule is correct at the time of preparation; however, rearrangement, substitution, addition or deletion of lectures or practical sessions may occur. Changes to the schedule will be advised via email and/or through MyLO.

Vietnam History and Historical and Current Uses of the Mekong

Environmental Hydrodynamics

Sun November 12		Topic	Budget
09:00-12:00	Travel	<i>Depart Melbourne (approx. 11:25am)</i>	
16:00-17:00	Travel	<i>Arrive Saigon</i>	
17:00-18:00	Travel	<i>Transfer to Hotel, Dinner and Rest</i>	
14:00-17:00	Blog/Vlog 1	<i>Travel journal. Initial reflections of Vietnam and travel.</i>	
Mon November 13		Introductions	
09:00-10:15	Lecture 1	<i>Welcome to University of Science-Vietnam National University Ho Chi Minh City (HCMUS) Introduction Opening speeches from HCMUS, Department of Oceanology, Meteorology and Hydrology (OMH), University of Tasmania and Students</i>	
10:30-12:30	Lecture 2	<i>HCMUS Tour, Introduction to OMH and Lab Research</i>	
12:30-13:15	Lunch	<i>Lunch at HCUMS canteen</i>	
13:30-15:00	Lecture 3	<i>Introduction to fluid mechanics, estuarine hydrodynamics, and coastal processes (Vo Luong Hong Phuoc)</i>	
15:00-16:30	Lecture 4	<i>Introduction to GIS and modelling (Andrew Fischer)</i>	
17:00	Blog/Vlog2		
Tues November 14		HCMC History Tour	
09:00-9:30	Travel	<i>Transfer to the History Museum of Ho Chi Minh City, Sai Gon Central Post Office, Ho Chi Minh City Museum</i>	
12:30 - 13:15	Lunch		
13:30 - 16:00	Lecture 6	<i>Meeting with Consulate General - Australian-Vietnam Relations and Priority Projects</i>	
17:00-20:00	Blog/Vlog3	<i>Saigon Past and Present, Using the waterways, Discussion, Dinner</i>	
Wed November 15		Climate change	
09:00 - 09:50	Lecture 7	<i>Coastal sea level fluctuations (Nguyen Cong Thanh)</i>	
10:00 - 10:50	Lecture 8	<i>Influence of Climate Change on Mangroves (Vo Luong Hong Phuoc)</i>	
11:00 - 12:30	Practical 1	<i>Sea level Rise Practical I (Modelling in QGIS - Sea Level Rise in HCMC) (Andrew Fischer)</i>	
14:00 - 14:50	Lecture 9	<i>Trace gases in marine environment (Sohiko Kameyama)</i>	

15:00 - Practical 2 *Sea level Rise Practical II (Modelling in QGIS - Sea Level Rise in HCMC) (Andrew Fischer)*
 17:00
 18:00 *Dinner and Saigon tour in HCMC and Hop-on/Hop-off at night (45min)*

Thurs November 16 *Excursion 1 Day 1 - An Giang Province*

03:00 - Excursion *Travel to Tra Su Cajuput Forest*
 9:30
 10:00 - *Tra Su Cajuput Forest*
 14:00- *Nui Sam (Sam Mountain) and Ba Chua Xu Temple*
 16:00
Overnight in Chau Doc City (An Giang Province)

Fri November 17 *Excursion 1 Day 2 - Oc Eo Archaeological Site*

07:00 Excursion *Travel to Oc Eo Archaeological Site*
 9:00 *Visit Oc Eo Archaeological Site*
 15:00 *Travel to Can Tho*
 18:00 *Dinner on Can Tho Yatch*

Blog/Vlog

Sat November 18 *Excursion 1 Day 3 - Can Tho*

06:00- Travel *Cai Rang Floating Market*
 12:00
 14:00- *Can Tho City*
 17:00 *Back to Can Tho in the afternoon*
 19:00 -> Blog/Vlog *Ancient cultures in Vietnam*

Sun November 19 *Day off*

Intensive Workshop Session 2 – Climate change, sea level rise (modelling exercise), Strategic importance of the Mekong, current and future challenges.

Mon November 20

09:00 - 11:20 Lecture 13 *Vietnamese Teacher' s day*
 11:30 - 12:50 Lecture 14 *Preparation for Afternoon Activities*
 12:50 - 13:50 Lunch
 14:00 -18:00 Practical *Workshop*
+ ChL, microplastic (OMH)
+ Measurements CTD, ADCP. (OMH).
+ Samplings (Hokkaido+ OMH)
 18:15 -> Blog/vlog

Tue November 21 - Excursion 2 in Cu Lao Dung (Soc Trang) (Hau River)

7:00-12:00: *Traveling*
 12:30 *Lunch*
 13:30-17:00 *Visit Ecosystems of Mangroves, Deploying the instruments (if possible)*
 18:00-22:00 *Camp fire and open dinner*

Wed November 22 - Excursion 2

07:00-15:00 Field Trip *CTD (temp, conduct, depth), ADCP (current profile), water samples (SSC, CHL, DO,pH..), soil samples*

15:00	Field Trip	<i>Back to hcmus</i>
17:00 ->	Blog/vlog	<i>Hydrology, water resources planning and modelling, sustainable irrigation and hydropower development, and climate change adaptation</i>
Thurs November 23		<i>Data analysis</i>
09:00-12:20	Workshop	<i>Data Analysis and Processing I (OMH)</i>
12:30-13:20	Lunch	
13:30-17:00	Workshop	<i>Data Analysis and Processing II (OMH)</i>
17:30 ->	Blog/vlog	<i>Reflections on the future of Saigon Data processing/GIS modelling</i>
Fri November 24		<i>Analysis, Modelling, and some results</i>
09:00-12:00	Workshop	<i>MOU exchanges Analysis, Modelling (DEFLT 3 D modeling, and Results I (Nguyen Hoang Phong and OMH)</i>
12:15-13:15	Lunch	
14:00-17:00		<i>Analysis, Modelling, and Results II (Nguyen Hoang Phong and OMH)</i>
17:00 ->	Final Dinner	<i>Student Presentations</i>
Sat November 25		<i>Presentations, Report, Certificate, Closing</i>
09:00 -12:00	Presentations	<i>Presentations and certificates</i>
12:15-17:00	Site Seeing	<i>Site seeing (Museum of Fine Art), clean up and check out.</i>
14:00-16:00	Travel	<i>Eat and go to airport.</i>
20:55	Travel	<i>Flight Departs Saigon</i>
Sun November 26		
09:30	Travel	<i>Return to Australia</i>