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Day to day program

Day 1 – Monday, 15th August 2022

Summer School Opening Day

UTP Campus			
			 UNIVERSITI TEKNOLOGI PETRONAS
No	Time	Venue:	Event <i>Dress Code: Smart Casual</i>
1.	10.00 – 10.30	Seminar Room 5, Undercroft, UTP	Arrival of all participants. Registration of all participants (Students and Staff).
2.	10.30 – 11.15	Seminar Room 5, Undercroft, UTP	Introduction of Summer School participants (Program and organizational arrangements) HSE Briefing UTP Montage Briefing of Programme (Ir. Hafizah) Briefing on Field Trip Penang (Dr. Teh) Briefing on Optional Tours (Pn. Khairunnisa)
3.	11.15 – 11.45 11.45 – 12.15	Seminar Room 5, Undercroft, UTP	1. UTP Campus Tour (walking): IRC and Chancellor Hall 2. UTP Laboratory Visit: Civil Engineering Department (Block J) (Wave tank facility)
4.	12.15 – 2.00	Seminar Room 7, Undercroft, UTP	Lunch Welcoming speech – AP Ts Dr Amila (RMC Director, Universiti Teknologi PETRONAS, Malaysia)
5.	14.00 -15.00	Seminar Room 5, Undercroft, UTP	Lecture 1: Prof. Kalev Sepp , Estonian University of Life Sciences Introduction: global and regional sustainability – from policy concepts to the management action (100 pax).
6.	15.00 -17.00	Block 12, UTP	Lab Visit (Petroleum Engineering Department, Block 12) Core Lab and Drilling Lab

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Day 2 – Tuesday, 16th August 2022

Plenary and parallel sessions

No	Time	Format, Lecture room	Event Dress Code: Smart Casual	
1.	9.00 -11.00	Plenary session Seminar Room 5, Undercroft, UTP	Lecture: Prof. Kalev Sepp , Estonian University of Life Sciences Ecosystem Service concept. Methods for mapping and assessment of ecosystem services. ES concept in Environmental Policy (implications for coastal spatial planning and management) (100 pax)	
2.	11.00-13.00	Parallel sessions Seminar Room 3 & 4, Undercroft, UTP	Lecture 1 (11-12pm): Dr Muhammad Hafeez Jefry , Universiti Terengganu Malaysia Title: Ice Sheet & Marine Sustainability: Sea level rise from ice-sheet melting using CMIP6 model Lecture 2 (12-13pm): Lecture & Practical: Dr Siti Nur Fathiyah , Universiti Teknologi PETRONAS Title: Delta Environment and Hydrocarbon Potential: Present-day Analogue	Lecture: Siiri Klm , Estonian University of Life Sciences Data integration and participatory process in developing integrated coastal zone management (ICZM). Example of the Eastern Baltic Sea
3.	13.00 – 15.00	Lunch		
4.	15.00 – 17.00	Parallel sessions Seminar Room 3 & 4, Undercroft, UTP	Lecture: Dr Corrienna , Universiti Teknologi Malaysia Title: Environmental Awareness in Conserving Natural Resource	Practical exercise: Siiri Klm, Lagle Lhmus , Mapping Ecosystem Services of Coastal areas. Ecosystem services matrix – expert evaluation. Ecosystem Services hot and cold spots



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Day 3 – Wednesday, 17th August 2022

Educational Trip to UniKL – MIMET, Lumut

Participants to gather in front of Chancellor Complex, UTP at 8.00 a.m.

No	Time	Format, Lecture room	Event
			Dress Code: Smart Casual
1.	09.00 – 10.30	UTP	Journey from UTP to UniKL MIMET
2.	10.45 – 11.00	Dewan Kuliah 1	Safety Briefing
3.	11.00 – 11.30		Introduction about UniKL MIMET by Deputy Dean A&T
4.	11.30 – 12.00		Research and Development Unit
5.	12.00 – 12.30		PostGraduate Unit
6.	12.30 – 14.30	Lunch	Dewan Khatulistiwa
7.	15.00 – 15.30	Shipyards visit	Briefing by URSB
8.	15.30 – 14.30	Workshop visit	Briefing by HoS of respected academic section
9.	16.30 – 17.00		Gathering at UniKL's beach / Photo Session

Day 4 – Thursday, 18th August 2022

Plenary and parallel sessions

No	Time	Lecture room	Event	
			Dress Code: Smart Casual	
1.	9.00 -11.00	Plenary session Seminar Room 5, Undercroft, UTP	Lecture: Dr. Holger Auel , University of Bremen: Marine Productivity, Food Webs, and Strategies for a Sustainable Use of Marine Living Resources (Online)	
2.	11.00-13.00	Parallel Session Seminar Room 3 & 6, Undercroft, UTP	Lecture & Sharing Session: Mr. Sandeep Chandola Mr. Rahimi Faizal Ibrahim PETRONAS Exploration Marine and Coastal Sustainability Practices in PETRONAS Career Exposure with PETRONAS	Practical exercise: Dr. Anne Kull , Estonian University of Life Sciences Defining Ecosystem services of Coastal areas (carbon storage and sequestration, etc,) using QGIS <i>(beginning)</i>
3.	13.00 – 15.00	Lunch		
4.	15.00 – 17.00	Parallel sessions Seminar Room 3 & 6, Undercroft, UTP	Practical exercise: Dr. Daniele La Rosa , University of Catania Positive effects of trees on climate regulation, carbon sequestration and noise reduction	Practical exercise: Dr. Anne Kull , Estonian University of Life Sciences Defining Ecosystem services of Coastal areas (carbon storage and sequestration, etc,) using QGIS <i>(continued)</i>

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Day 5 – Friday, 19th August 2022

Plenary and parallel sessions

No	Time	Lecture room	Event
			Dress Code: Smart Casual
1.	9.00 - 11.00	Plenary session Seminar Room 5, Undercroft, UTP	Lecture: Dr. Vincenzo Maccarrone , Institute for Marine Biological Resources and Biotechnology of the Italian National Research Council – (IRBIM-CNR) Anthropocene speaks: impact on the coastal areas
2.	11.00 - 13.00	Parallel sessions Seminar Room 3 & 4, Undercroft, UTP	<p>Lecture: Dr Teh Hee Min, Universiti Teknologi PETRONAS Title: Coastal protection structures and restoration</p> <p>11.00-11.30am Lecture: Dr. Le Anh Tuan, Vietnam Impacts and responses of climate change to the coastal areas of the Mekong River Delta in Vietnam</p> <p>11.30-12.30pm Prof. Dr. Mohd Fadzil Akhir, Universiti Malaysia Terengganu Title: Impact of sea level to coastal dynamic for marine sustainable (case study)</p>
3.	13.00 – 15.00	Lunch (and Friday prayer for Muslims)	
4.	15.00 – 17.00	Plenary session Seminar Room 5, Undercroft, UTP	Lecture: Dr. Pietro Scandura , University of Catania Hydromorphodynamics of the coastal area

Day 6 – Saturday, 20th August 2022

Educational Fieldwork & Site visits to Seri Tanjung Pinang 2, Tg. Tokong, Penang.

Aims: Familiarize with the construction technologies used for coastal reclamation and determine the environmental impacts caused by the reclamation operations and the control measures (a dedicated leaflet for the trip)

7.00 am – Depart from UTP (Chancellor Complex).

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Day 7 – Sunday, 21st August 2022

Presentation of tasks given during the fieldwork (in-class activities in UTP)

Free and easy

Day 8 – Monday, 22nd August 2022 at UniKL

No	Time	Format, room	Lecture	Event
				Dress Code: Smart Casual
1.	09.00 – 10.30			Departure to UniKL
2.	10.30 – 13.00	Dewan Kuliah 1	Sustainability Effort in Marine and Maritime Technology Symposium (SEMMarTS)	Welcoming Speech 1. Assoc. Prof. Ts. Cmdr (Rtd) Dr. Aminuddin Md Arof Keynote Speaker 1. Prof Dr Md Redzuan Zoolfakar 2. YBhg Dato' Capt Ahmad Sufian bin Abdul Rashid 3. To be appointed (offer to ITL)
3.	13.00 – 15.00		Lunch	
4.	15.00 – 15.30	Dewan Kuliah 1		Presenter 1 UniKL MIMET
5.	15.30 – 16.00			Presenter 2 UniKL MIMET
6.	16.00 – 16.30			Presenter 1 ITL
7.	16.30 – 17.00			Presenter 2 ITL
8.	17.00		End	Travelling to hotel/accommodation

Day 9 -Tuesday, 23rd August 2022 at UniKL

No	Time	Format, room	Lecture	Event
				Dress Code: Smart Casual
1.	09.00 – 10.30			Departure to UniKL
2.	10.30 – 13.00	Lecture	Vale	VALE Mineral Malaysia S/B 1. Socio-economy vs Sustainability Plan 2. Remain sustainable yet dear to community's heart
3.	13.00 – 14.30		Lunch	
4.	14.30 – 16.30	Visit		VALE Mineral Malaysia S/B Site Visit
5.	17.00			Travelling to hotel/accommodation

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Day 10 – Wednesday, 24th August 2022 at UniKL

<i>No</i>	<i>Time</i>	<i>Format, room</i>	<i>Lecture</i>	<i>Event</i> <i>Dress Code: Smart Casual</i>
1.	09.00 – 10.30			Departure to UniKL
2.	10.30 – 13.00	Lecture Dewan Kuliah 1 UniKL MIMET		Lumut Port 1. Facing the future 2. Green Port
3.	13.00 – 15.00	Lunch		
4.	15.15 – 16.45	Visit		Lumut Port Site Visit
5.	17.00			Travelling to hotel/accommodation

Day 11 – Thursday, 25th August 2022 at UniKL

<i>No</i>	<i>Time</i>	<i>Format, room</i>	<i>Lecture</i>	<i>Event</i> <i>Dress Code: Smart Casual</i>
1.	09.00 – 10.30			Departure to UniKL
2.	10.00 – 13.00	Lecture		MTU Power System Green Marine Engine
3.	13.00 – 14.00	Lunch		
4.	14.00 – 17.00	Lecture		Lecture: UniKL MICET Sustaining coastal environment ecosystem
5.	17.00			Travelling to hotel/accommodation

Day 12 – Friday, 26th August 2022 at UniKL

<i>No</i>	<i>Time</i>	<i>Lecture room</i>	<i>Event</i> <i>Dress Code: Smart Casual</i>
1.	09.00 – 10.30		Departure to UniKL
2.	10.00 -13.00	Lecture Dewan Kuliah 1 UniKL MIMET	Educational talk by local authorities / NGO (TBC)
3.	13.00 – 15.00	Lunch	
4.	15.00 - 17.00	Closing ceremony Dewan Kuliah 1 UniKL MIMET	Important Invitee UniKL 1. Director UIO 2. Dean 3. Deputy Dean IIIP UTP 1. TBC MARE Committee 1. TBC
5.	17.00		Travelling to hotel/accommodation

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Day 13 – Saturday, 27th August 2022

Educational Visit to Tin Mine Cavern (Gua Tempurung) (OPTIONAL)

Aim: Exposing students to the marine environment (shallow water) that was formed thousands of years ago and has been now exposed inshore.

Note: Entrance ticket and bus fare from UTP to Gua Tempurung (return) need to be covered by the participants. Organizer will advise on the cost for this half-day trip soonest, meanwhile, you may check the website for overview of the cave http://www.ipoh-city.com/attraction/Gua_Tempurung/

PIC: Pn Khairunnisa / CSD / Student volunteers

Day 14 – Sunday, 28th August 2022

Educational Visit to TT5: Tin Dredge Mining (OPTIONAL)

Aim: Exposing students on management of tin mines within Malaysia: impact to delta sustainability

Note: Entrance ticket and bus fare from UTP to TT5 (return) need to be covered by the participants. Organizer will advise on the cost for this half-day trip soonest, meanwhile, you may check the website for overview of the tin dredge area here <https://tt5perak.com/>

PIC: Pn Khairunnisa / CSD / Student volunteers

Day 15 – Monday, 29th August 2022)

Day of Departure

PIC: Pn Khairunnisa / CSD / Student volunteers

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