



UniKL
UNIVERSITI
KUALA LUMPUR

**Marine Coastal and Delta Sustainability for Southeast Asia
(610327-EPP-1-2019-1-DE-EPPKA2-CBHE-JP)**



COURSE PRESENTATION

OCEANOGRAPHY

*The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein



Co-funded by the
Erasmus+ Programme
of the European Union

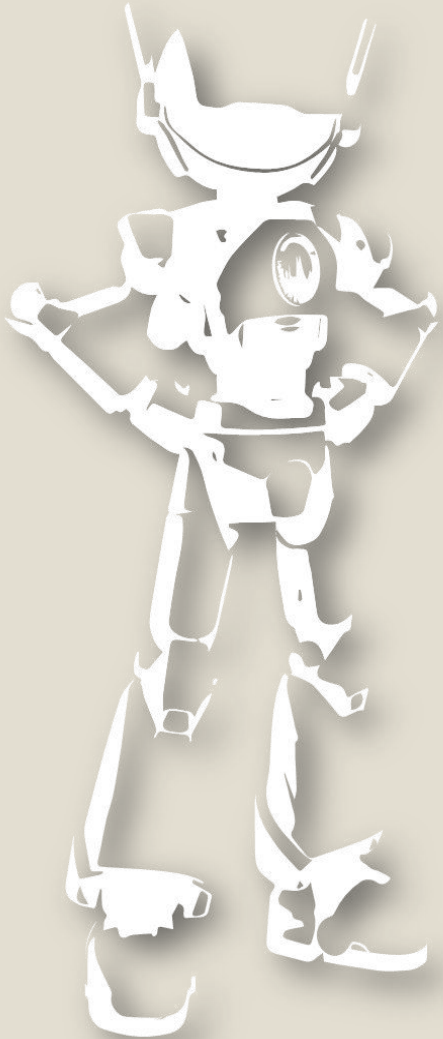


UniKL
UNIVERSITI
KUALA LUMPUR



OVERVIEW

- This is for course “ Oceanography: Bachelor “
- Site URL: <https://vle.unikl.edu.my/login/index.php>
- Language: English
- Modules:
 - Announcement
 - Course summary
 - Course Learning Plan
 - Lesson
 - Assignment
 - Tests & Quizzes
 - Final Assessment/ Examination



Co-funded by the
Erasmus+ Programme
of the European Union



LOB10403 - OCEANOGRAPHY



Dashboard > My courses > LOB10403 - norazlinaan_MIMET

Turn editing off

- + Announcements
- + CLP_lesson
- Hidden from students**
- + CLP Oceanography LOB10403

Edit Edit Edit

+ Add an activity or resource





	UNIVERSITI KUALA LUMPUR Malaysian Institute of Marine Engineering Technology (MIMET) COURSE LEARNING PLAN	Doc. No:	UniKL MIMET/ACAD/DTL/F-03
		Revision No:	02
		Effective Date:	26/09/2016
		Page No:	1 of 9

SECTION A: COURSE DETAILS

1	Course Name	Oceanography					
2	Course Code	LOB 10403					
3	Academic Staff Name(s)	Norazlina binti Abdul Nasir					
4	Rationale for inclusion of Course in the Programme	This course is offered at the beginning of the programme to expose students to the maritime environment. The knowledge imparted to students will give them the basic understanding required in order to be involved in maritime operations and the management of maritime activities. Amongst others, the knowledge garnered will enable them to plan port activities and scheduling ships passages					
5	Semester & Year Offered	Semester: 2 Year: 1					
6	Student Learning Time (SLT)	Face to Face (F2F)				Independent learning	TOTAL
		Lecture	Tutorial	Practical	Other		





	UNIVERSITI KUALA LUMPUR Malaysian Institute of Marine Engineering Technology (MIMET) COURSE LEARNING PLAN	Doc. No:	UniKL MIMET/ACAD/DTL/F-03
		Revision No:	02
		Effective Date:	26/09/2016
		Page No:	4 of 9

SECTION B: LEARNING SCHEDULE

When		Topic	Delivery Method	Planned Assessments	Actual Assessments
WEEK 1-2	(Exact dates are optional)	1.0 INTRODUCTION TO OCEANOGRAPHY 1.1 Characteristics and geographic features of Earth's principal oceans 1.2 Differences between an ocean and a sea 1.3 Early history of ocean exploration 1.4 Origin of atmosphere and oceans Outcome(s): CLO 1	<ul style="list-style-type: none"> Lecture 	<ul style="list-style-type: none"> Assignment title given 	





Introduction to Oceanography Edit ▾

- + Oceanography slides shb chapter1 Edit ▾
- + Essentials of Oceanography Edit ▾
- + Edit ▾
- + Oceanography (T01) Edit ▾
Hidden from students
- + Ocenography (T02) 28072020 Edit ▾
Hidden from students
- + Class 3 Feb 2021 Edit ▾
Hidden from students





UniKL

UNIVERSITI
KUALA LUMPUR

LESSON- Slide Presentation



1 2 3 4 5

1 OCEANOGRAPHY
LOB 10203
Norazlina bt Abdul Nasir

2 Assessment

Quiz	10%
Assignment	20%
Workshop	20%
Final Exam	40%
Total	100%


3

On completion of this course, students should be able to:

1. Describe the evolution of the ocean basin, the features of the marine environment and the processes of plate tectonics.
2. Explain the ocean circulation and its effects on climate variability.
3. Calculate tide for standard and secondary ports.
4. Describe the elements in ocean circulation and the types of waves.
5. Differentiate between the various types of marine processes and marine sediments.

4 INTRODUCTION TO OCEANOGRAPHY

5 Ocean?



OCEANOGRAPHY

LOB 10203
Norazlina bt Abdul Nasir

Click to add notes



Co-funded by the
Erasmus+ Programme
of the European Union



marine province and marine sediment Edit ▾

- + Oceanography slides shb chapter3 Edit ▾
- + 7 - Marine Sediments Edit ▾
- + Video Lecture Edit ▾
Hidden from students
This video lecture content for chapter 3 part 2: marine sediment. Also for chapter 4.
- + Tutorial 8 April 2020 (for T02 only) Edit ▾
Hidden from students
Submit this tutorial before 1pm today as your attendance.

Question 1:
Explain the sediments in neritic deposit.

Question 2:
Compare and contrast the following seawater desalination method distillation,solar humidification,and reverse osmosis .
- + TUTORIAL 10 April 2020 (FOR T01 ONLY) Edit ▾
Hidden from students
Upload your answer before class end as your attendance.

Question 1:





1 2 3 4 5

CHAPTER 3
MARINE PROVINCES & MARINE SEDIMENTS

• Ocean Flapping observation

- High water, low
- Deep trough
- Very old waves
- Suspended matter
- Ocean health index

BATHYMETRY

Definition: A study of ocean depth

- Bathymetry
- Depth measurement
- Function: Shows the vertical distance between the ocean surface and
- Topography
- Seafloor
- Sea level

Methods of direct and remote sea floor investigation

- Bathymetry Techniques
 - Acoustic (SVP)
 - Altimetry (Satellite altimetry)
 - Laser (LIDAR)
- Seafloor Sampling
 - Remote sensing (Satellite altimetry)
 - Seafloor temperature (Sea surface temperature)
- Seafloor in 3D & 4D
 - Seafloor
 - Seafloor topography (Seafloor topography)
 - Seafloor bathymetry (Seafloor bathymetry)
 - Seafloor geology (Seafloor geology)

CHAPTER 3
MARINE PROVINCES & MARINE SEDIMENTS









+ properties of seawater Edit ▾

+ Oceanography slides shb chapter4 Edit ▾

+ Add an activity or resource

+ air-sea interaction Edit ▾

+ Oceanography slides shb chapter5 Edit ▾

+ Class 15 April 2020 (T02) Edit ▾

Hidden from students

+ Class 17 April 2020 (T01) Edit ▾

Hidden from students

+ Class 22 April 2020 (T02) Edit ▾

Hidden from students

+ Class 24 April 2020 (T01) Edit ▾

Hidden from students

+ Tutorial (1 September 2020) Edit ▾






1 CHAPTER 5
Air-sea interaction

2 Interdependent air-sea system

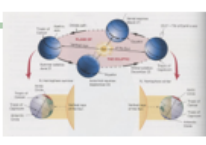
- Heat currents and waves on ocean surface created by atmospheric wind
- Winds mainly created by heating (provided by solar energy)

3 Earth's seasons

- Earth revolves around the sun
- Earth's axis of rotation is not upright on the surface
- It leans at 23.5 degree angle
- The tilt causes the seasons
- Seasonal changes influence earth's climate



4



5 Physical properties of the atmosphere

- Composed mainly of nitrogen (78%) and oxygen (21%)
- Temperature in troposphere
- Density
- Humidity (water vapor content and sea surface)

CHAPTER 5
Air-sea interaction





assignment

Edit ▾

- Assignment 1

Hidden from students
- Assignment rubric

Hidden from students
- Assignment 1 (T01 and T03)

Hidden from students
- Assignment 1 (T02)

Hidden from students
- Submit slide here
- Assignment 1 (T03)

Hidden from students
- Upload your slide here
- Assignment 2

Edit ▾

Edit ▾

Edit ▾

Edit ▾

Edit ▾

Edit ▾

Upload your assignment here





Group Assignment

Subject : Oceanography
Code : LOB 10403
Marks : 15%

Prepare a report and presentation slide about the topics. The detail of the report should contain:-

- | | |
|------------------|-------|
| 1. Introduction | (5m) |
| 2. Objectives | (5m) |
| 3. Main contents | (20m) |
| 4. Results | (10m) |
| 5. Conclusion | (10m) |

Topics:

1. Hotspot and formation of volcanic island
2. Micro plastics and ocean sustainability*
3. Food Security: The impact from marine pollution (mercury)*
4. Ocean acidification and impact
5. Mariculture and threat to the ocean
6. Natural disaster from Typhoon Yutu: An origin and impact
7. Natural disaster from Krafla Volcano : An origin and impact
8. Natural disaster from Tohoku Tsunami : An origin and impact
9. Characteristics of Marginal Sea: Andaman Sea
10. Process of transform fault: San Andreas Fault
11. Collision process: Himalayan Mountain Range





SAMPLE OF PRESENTATION RUBRIC



ASSIGNMENT RUBRIC							
Student Name :						Group	
Project Title :							
Aspect of Presentation	0 or 1 Poor	2 or 3 Adequate	4 or 5 Good	6 or 7 Very Good	8 or 9 Excellent	9 or 10 Outstanding	Mark
Focus Main Topic	Limited and perhaps inappropriate material or cut-and-paste with little value added.	Demonstrates only basic knowledge of immediate background	Fair knowledge of main topic	Broad knowledge and good understanding of topic.	Broad and deep understanding of field beyond immediate topic requirement.	+ Clearly presents a main idea and supports it throughout the report	
Content	Very limited outcomes but evidence of some effort.	Earnest effort, albeit few objectives are satisfactorily met.	A reasonable amount of idea and topic completed.	The majority of expected topic discuss and satisfactorily.	All main idea fully met to a very satisfactory standard or work of significant value to main topic.	+ extent/quality of outcomes well above and beyond that expected.	
Research component	Some limited summary of topic. Or Awareness campaign communicates message without demonstrating any elements of creativity or original thoughts.	Adequate if uncritical summary of main topic. Or Awareness campaign communicates message with little demonstrating any elements of creativity or original thoughts.	Summary and some reflection on outcomes addressing main topic. Or Awareness campaign seldom demonstrates ideas while communicating message.	Succinct roundup and some critical appraisal of idea addressing all topic Or Awareness campaign fair effort demonstrates new ideas while communicating message.	Detailed and comprehensive evaluation and critical reflection on overall. Or Awareness campaign effectively communicates message while demonstrating some elements of creativity and original ideas.	+ Sources are exceptionally well-integrated and they support argued in the very effectively. Or Awareness campaign effectively communicates message while demonstrating elements of high creativity and many original ideas.	
Question & Answer	Unable to answer questions about the subject.	Able to answer some rudimentary questions about the subject.	Capable of answering some questions posed about the subject	Able to accurately answer almost all questions posed about the subject	Able to accurately answer all questions posed about the subject	Able to accurately answer all questions posed about the subject	
Presentation skills	Significant incorrect pronunciation of terms. Voice level too low or too high. Monotonous, no eye contact, and organization of presentation is very poor.	Some incorrect pronunciation of terms. Voice level too low or too high. Monotonous, no eye contact, organization of presentation is poor.	Voice is satisfactorily clear and at a proper level. Most words pronounced correctly. Little eye contact, uneven rate, little expression and organization of presentation is satisfactorily.	Voice is clear and at a proper level. Words pronounced correctly. Some eye contact, steady rate and organization of presentation is good.	Very Clear voice and correct, precise pronunciation of terms. Good eye contact, steady rate, enthusiasm and confident.	Very Clear voice and correct, precise pronunciation of terms. Good eye contact, steady rate, enthusiasm and confident.	
						FINAL MARKS	






























UniKL

UNIVERSITI
KUALA LUMPUR

QUIZ



quiz  Edit ▾

-   Quiz 1 (FL)  Edit ▾ 
- Hidden from students**
-   Quiz 2 (FL)  Edit ▾ 
- Hidden from students**
- All the best
-   Quiz 1 (T02)  Edit ▾ 
- Hidden from students**
- All the best
-   Quiz 1 (T01)  Edit ▾ 
- Hidden from students**
- Good Luck!!
-   Quiz 2 (T02)  Edit ▾ 
- Hidden from students**
-   Quiz 2 (T01)  Edit ▾ 



Co-funded by the
Erasmus+ Programme
of the European Union



UniKL

UNIVERSITI
KUALA LUMPUR

TEST



ONLINE TEST

Edit ▾

TEST 1 (FL)

Hidden from students

Edit ▾

TEST 2 (FL)

Hidden from students

Edit ▾

GOOD LUCK

FinalTest (FL)

Hidden from students

Edit ▾

This Final Test if for Flexilearn (FL) group only.

Good luck. All the best

Final Assignment (FL)

Hidden from students

Edit ▾

This is for Flexilern (FL) group only.

TEST 2 (T02)

Hidden from students

Edit ▾

TEST 2 (T01)

Edit ▾



Co-funded by the
Erasmus+ Programme
of the European Union



Final assessment Edit

- + ☰ FA 1 (T01) Edit
Hidden from students
This is for T01 group
- + ☰ FA 1 (T02) Edit
Hidden from students
This is for T02 only
- + ☰ FA 2 Edit
Hidden from students
Good Luck..

All the best!!!





Introduction to Oceanography

Oceanography slides shb chapter1	647 views by 249 users -	Monday, 10 May 2021, 11:44 AM (22 mins 40 secs)
Essentials of Oceanography	719 views by 199 users -	Tuesday, 27 April 2021, 4:46 PM (12 days 19 hours)
Oceanography (T01)	14 views by 11 users -	Friday, 29 January 2021, 9:24 PM (100 days 14 hours)
Ocenography (T02) 28072020	2 views by 1 users -	Friday, 7 August 2020, 2:13 AM (276 days 9 hours)
Class 3 Feb 2021	170 views by 68 users -	Thursday, 4 February 2021, 10:43 AM (95 days 1 hour)
Class 3 February 2021	136 views by 67 users -	Wednesday, 3 February 2021, 5:52 PM (95 days 18 hours)
Chapter 1 Jan 2021	97 views by 56 users -	Saturday, 17 April 2021, 11:39 AM (23 days)

Plate Tectonic and Ocean Floor

Chapter 2	785 views by 257 users -	Saturday, 17 April 2021, 10:20 AM (23 days 1 hour)
Tutorial 1	303 views by 74 users -	Friday, 14 February 2020, 1:21 PM (1 year 85 days)
Discussion on Tutorial 1	33 views by 22 users -	Friday, 14 February 2020, 1:21 PM (1 year 85 days)
Oceanography Lecture 24 July 2020	12 views by 8 users -	Friday, 29 January 2021, 9:26 PM (100 days 14 hours)





UniKL

UNIVERSITI
KUALA LUMPUR

STATISTIC QUIZ RESULTS



	First name / Surname	ID number	Email address	State	Started on	Completed	Time taken	Grade/10.00	Q.1 /1.00	Q.2 /1.00	Q.3 /1.00	Q.4 /1.00	Q.5 /1.00
<input type="checkbox"/>	NUR ADLIN FADHLINA BT ADNAN Review attempt			Finished	21 August 2020 12:16 AM	21 August 2020 12:31 AM	15 mins 1 sec	3.00	✗ 0.00	✗ 0.00	✓ 1.00	✗ 0.00	✓ 1.00
<input type="checkbox"/>	LUQMANUL HAKIM BIN BAHARUDIN Review attempt			Finished	21 August 2020 5:02 AM	21 August 2020 5:10 AM	7 mins 32 secs	2.00	✗ 0.00	✗ 0.00	✗ 0.00	✗ 0.00	✗ 0.00
<input type="checkbox"/>	QISTIENA MARSYA BINTI RAZALI Review attempt			Finished	21 August 2020 11:01 AM	21 August 2020 11:16 AM	15 mins 1 sec	2.00	✗ 0.00	✗ 0.00	✗ 0.00	✗ 0.00	✗ 0.00
<input type="checkbox"/>	NUR ERNA NADIA BINTI SOBRY Review attempt			Finished	21 August 2020 11:02 AM	21 August 2020 11:17 AM	15 mins 4 secs	3.00	✗ 0.00	✗ 0.00	✓ 1.00	✗ 0.00	✓ 1.00
<input type="checkbox"/>	NURUL IZAH BINTI ZULKIFLI Review attempt			Finished	21 August 2020 11:07 AM	21 August 2020 11:22 AM	15 mins	2.00	✗ 0.00	✗ 0.00	✓ 1.00	✗ 0.00	✗ 0.00



Co-funded by the
Erasmus+ Programme
of the European Union



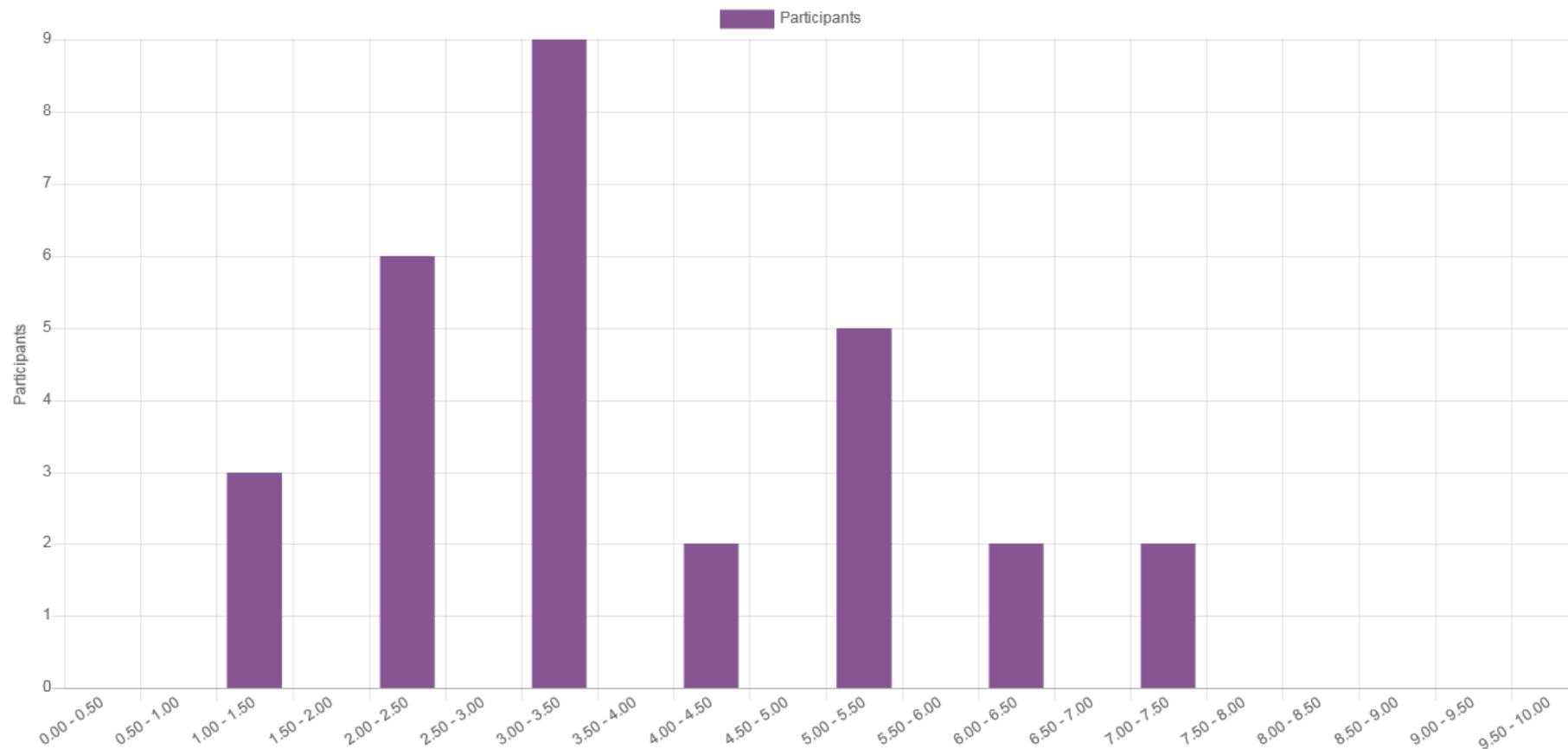
UniKL

UNIVERSITI
KUALA LUMPUR

STATISTIC QUIZ RESULTS



Overall number of students achieving grade ranges



Co-funded by the
Erasmus+ Programme
of the European Union



UniKL

UNIVERSITI
KUALA LUMPUR

STATISTIC TEST RESULTS



	First name / Surname	ID number	Email address	State	Started on	Completed	Time taken	Grade/60.00	Q.1 /20.00	Q.2 /16.00	Q.3 /12.00	Q.4 /12.00
<input type="checkbox"/>	 NUR FARHANA BINTI ABD RAHIM Review attempt		nfarhana.rahim@s.unikl.edu.my	Finished	5 April 2020 2:15 PM	5 April 2020 5:11 PM	2 hours 55 mins	55.00	<input checked="" type="checkbox"/> 19.00	<input checked="" type="checkbox"/> 14.00	<input checked="" type="checkbox"/> 12.00	<input checked="" type="checkbox"/> 10.00
<input type="checkbox"/>	 NUR MAHIRAH BINTI MANJUS Review attempt		mahirah.manjus@s.unikl.edu.my	Finished	5 April 2020 2:16 PM	5 April 2020 5:00 PM	2 hours 43 mins	50.00	<input checked="" type="checkbox"/> 17.00	<input checked="" type="checkbox"/> 11.00	<input checked="" type="checkbox"/> 12.00	<input checked="" type="checkbox"/> 10.00
<input type="checkbox"/>	 AMIRUL HAKIM BIN ZAKARIA Review attempt		amirul.zakaria30@s.unikl.edu.my	Finished	5 April 2020 2:42 PM	5 April 2020 5:29 PM	2 hours 47 mins	50.00	<input checked="" type="checkbox"/> 18.00	<input checked="" type="checkbox"/> 10.00	<input checked="" type="checkbox"/> 12.00	<input checked="" type="checkbox"/> 10.00
<input type="checkbox"/>	 NUR SHAHIDA BINTI ABD KADIR Review attempt		nshahida.kadir@s.unikl.edu.my	Finished	5 April 2020 2:42 PM	5 April 2020 5:40 PM	2 hours 58 mins	49.00	<input checked="" type="checkbox"/> 16.00	<input checked="" type="checkbox"/> 13.00	<input checked="" type="checkbox"/> 10.00	<input checked="" type="checkbox"/> 10.00
<input type="checkbox"/>	 AKIMUL HAKIM BIN MUHAMAD HABIB Review attempt		akimul.habib@s.unikl.edu.my	Finished	5 April 2020 4:05 PM	5 April 2020 6:31 PM	2 hours 25 mins	49.00	<input checked="" type="checkbox"/> 14.00	<input checked="" type="checkbox"/> 13.00	<input checked="" type="checkbox"/> 12.00	<input checked="" type="checkbox"/> 10.00



Co-funded by the
Erasmus+ Programme
of the European Union



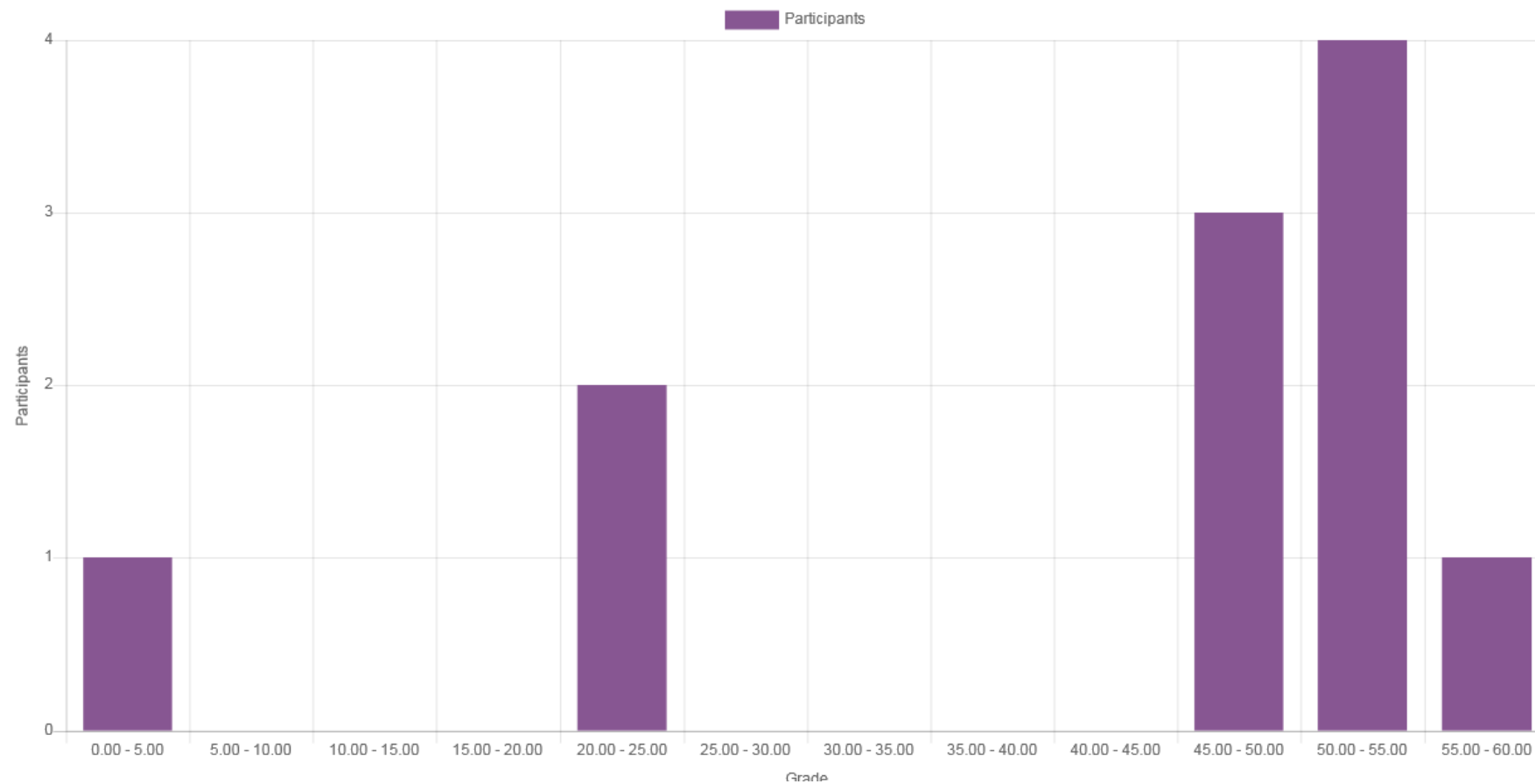
UniKL

UNIVERSITI
KUALA LUMPUR

STATISTIC TEST RESULTS



Overall number of students achieving grade ranges



Co-funded by the
Erasmus+ Programme
of the European Union



UniKL

UNIVERSITI
KUALA LUMPUR

THANK YOU

UniKL

