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MARINE ENVIRONMENT

Marine Coastal and Delta Sustainability for Southeast
Asia (MARE)

OVERVIEW

- Contain “Marine Environment” course material for Bachelor of Engineering (Naval Architecture and Offshore Engineering)
- Site URL:
<https://elearning.utm.my/20212/course/view.php?id=10596#section-0>
- Medium: English
- Modules:
 - Announcements
 - Overview
 - Lesson Plan
 - Course Materials
 - Lecture Notes
 - Additional Resources

OVERVIEW (Disclaimer)



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Course sections

Participants

Badges

Competencies

Grades

Dashboard

Site home

Calendar

My courses

Private files

Content bank

SEM04012-01 Marine Environment
(Environmen Marin)

Dashboard My courses SEM04012-01 Turn editing on

Announcements

Week 1 - Introduction: Origins of the
Atmosphere and Ocean Basins Fluids:
Atmosphere and Water

SKMO4012 CLO

SKMO4012 L1

SEM04012 - CI

File C:/Users/Liza...

1 of 4

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MARE

Template syllabus of the new/revised courses

Course Name: MARINE ENVIRONMENT
Number of credits: 2

Period: Fall/spring semester

Coordinator	Adi Maimun bin Abdul Malik, Prof, Dr
Credits	2 credits (5 ECTS)
Lecturers	Adi Maimun bin Abdul Malik, Prof, Dr.
Level	Undergraduate
Host institution	Universiti Teknologi Malaysia
Course duration	1 semester=14 weeks (80 learning time)
New/revised	Revised

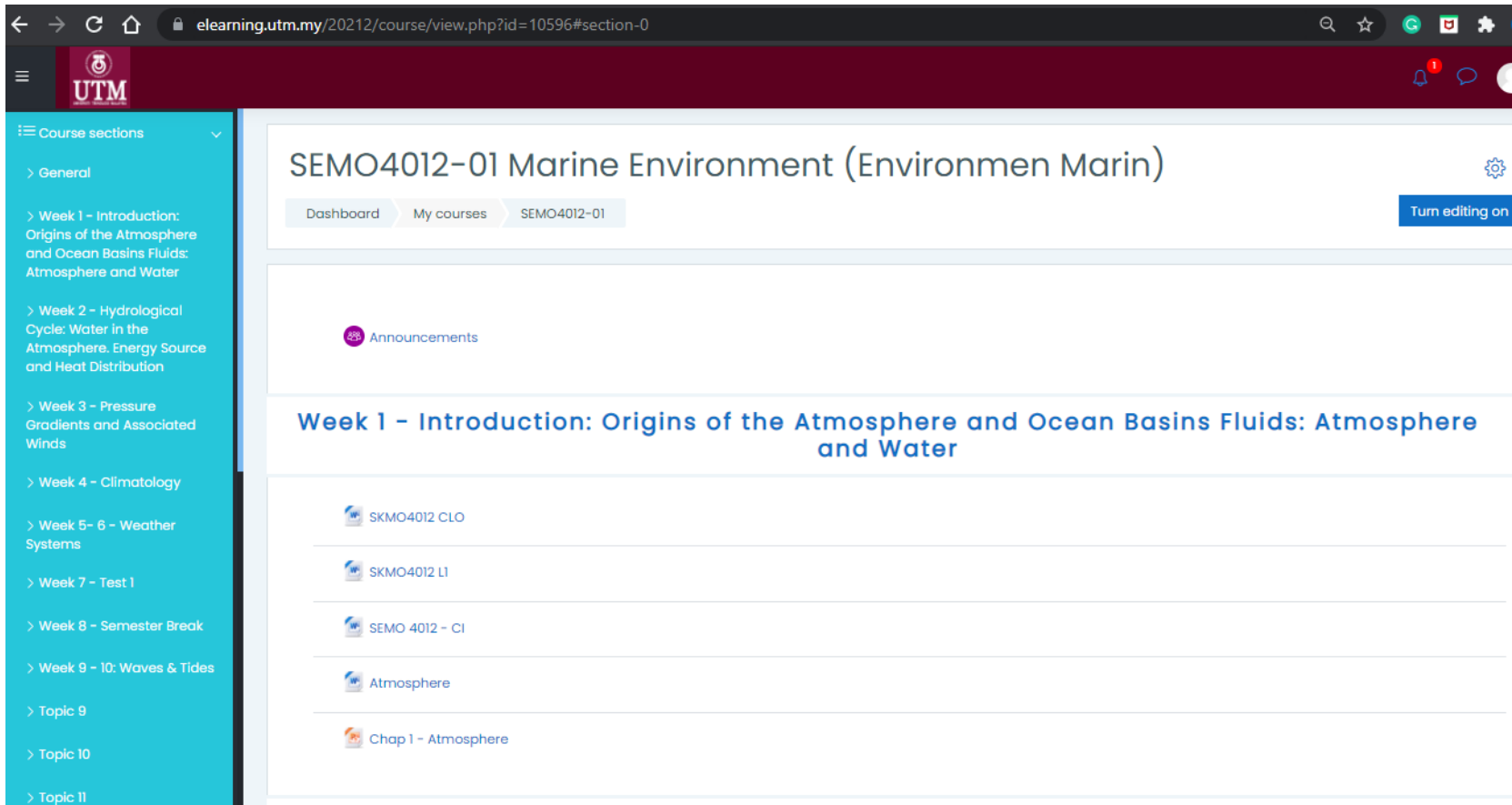
Summary

This subject gives an introduction to the subjects of marine meteorology and oceanography. It explains the fluid physical characteristics and movement on the earth surface. As such, the student will have a clear understanding of the weather that results from the interaction between the atmosphere and the sea surface. Following from this, the students will gain better appreciation on the interactions between the marine environment and marine vehicles/structures. As such, the important issue relating to marine safety, sustainability and environmental impact (Climate Change & Sea Level Rise) can be addressed.

Target student audiences









Open to all undergraduate students especially engineering and science courses.


LESSON PLAN





The screenshot shows a web browser window with the URL `elearning.utm.my/20212/course/view.php?id=10596#section-0`. The page is for the course **SEMO4012-01 Marine Environment (Environmen Marin)**. On the left, a sidebar lists course sections: General, Week 1 - Introduction: Origins of the Atmosphere and Ocean Basins Fluids: Atmosphere and Water, Week 2 - Hydrological Cycle: Water in the Atmosphere, Energy Source and Heat Distribution, Week 3 - Pressure Gradients and Associated Winds, Week 4 - Climatology, Week 5- 6 - Weather Systems, Week 7 - Test 1, Week 8 - Semester Break, Week 9 - 10: Waves & Tides, Topic 9, Topic 10, and Topic 11. The main content area shows the course title, navigation tabs (Dashboard, My courses, SEMO4012-01), a settings gear icon, and a 'Turn editing on' button. Below this is an 'Announcements' section. The main heading for the selected section is **Week 1 - Introduction: Origins of the Atmosphere and Ocean Basins Fluids: Atmosphere and Water**. A list of resources follows: SKMO4012 CLO, SKMO4012 L1, SEMO 4012 - CI, Atmosphere, and Chap 1 - Atmosphere.


COURSE MATERIALS





 Course sections


 Participants


 Badges


 Competencies


 Grades


 Dashboard


 Site home

 Calendar

 My courses

 Private files

 Content bank

 Accessibility settings


SEMO4012-01 Marine Environment
(Environmen Marin)

Dashboard


My courses


SEMO4012-01


Turn editing on


 Announcements


Week 1 - Introduction: Origins of the
Atmosphere and Ocean Basins Fluids:
Atmosphere and Water

 SKMO4012 CLO


 SKMO4012 L1


 SEMO 4012 - C1


 Atmosphere

 Chap 1 - Atmosphere


Week 2 - Hydrological Cycle: Water in the
Atmosphere. Energy Source and Heat
Distribution


 Chap 2 - Cloud & Precipitation

 Chap 2 - Cloud & Precipitation


 Chap 3 - Visibility

Week 3 - Pressure Gradients and
Associated Winds

 Winds

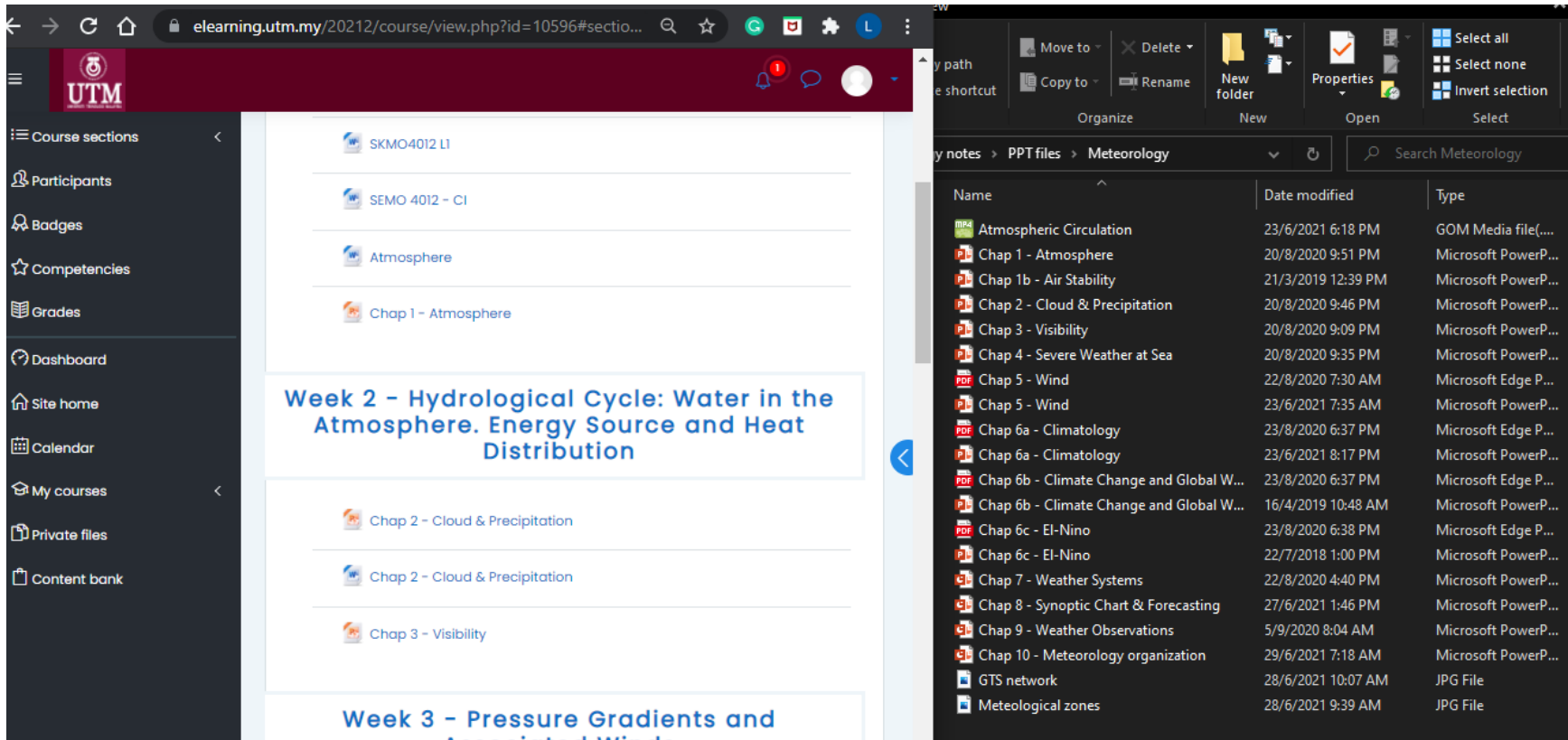
 Winds

Week 4 - Climatology

 Climatology

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LECTURE NOTES



The image shows a screenshot of the UTM elearning portal and a file explorer window. The portal displays course sections for SKMO4012 L1, SEMO 4012 - CI, and Atmosphere. The file explorer shows a directory structure for Meteorology, including files for Atmospheric Circulation, various chapters (Chap 1 to Chap 10), and GTS network.

Course sections:

- SKMO4012 L1
- SEMO 4012 - CI
- Atmosphere
- Chap 1 - Atmosphere

Week 2 - Hydrological Cycle: Water in the Atmosphere. Energy Source and Heat Distribution

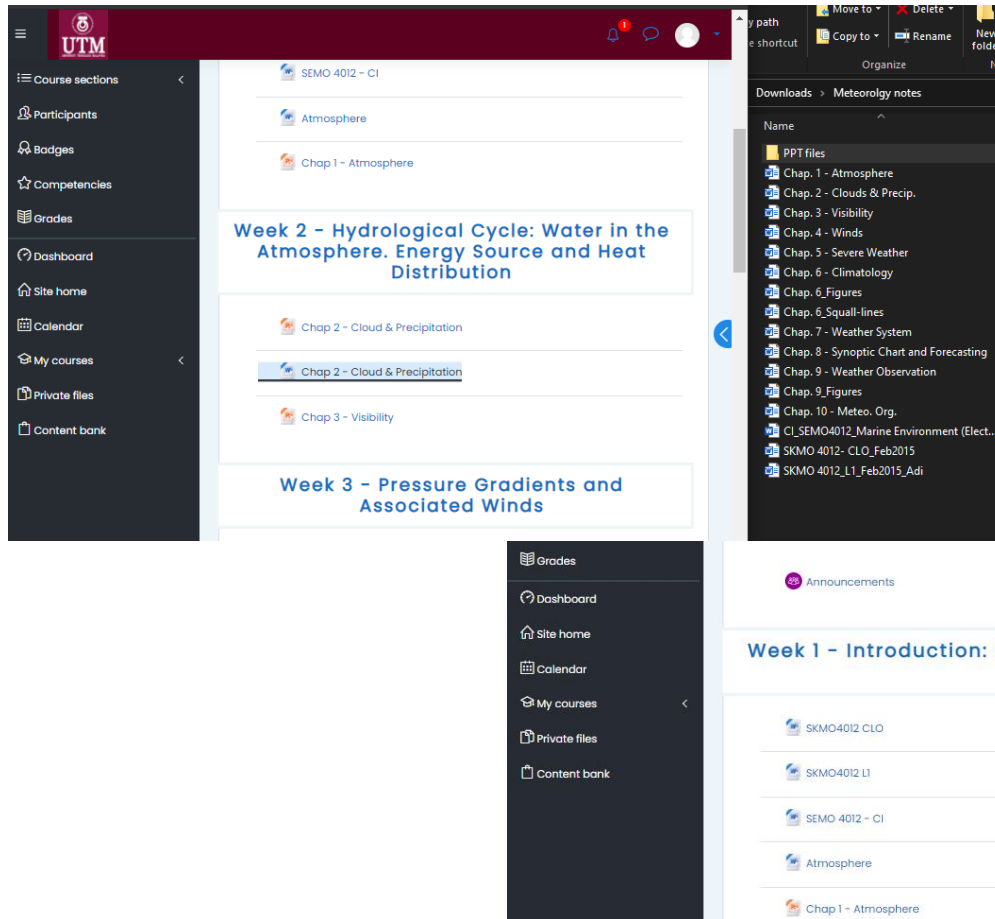
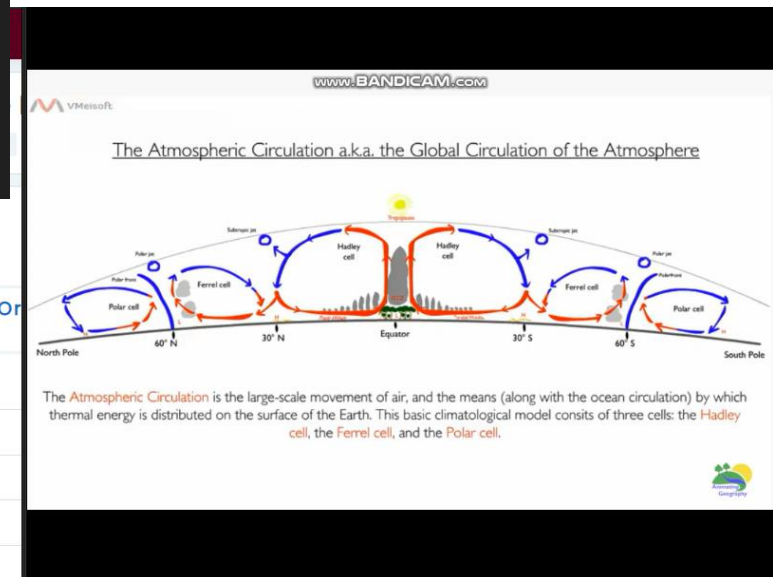
- Chap 2 - Cloud & Precipitation
- Chap 2 - Cloud & Precipitation
- Chap 3 - Visibility

Week 3 - Pressure Gradients and Associated Winds

File Explorer: Meteorology

Name	Date modified	Type
Atmospheric Circulation	23/6/2021 6:18 PM	GOM Media file(...
Chap 1 - Atmosphere	20/8/2020 9:51 PM	Microsoft PowerP...
Chap 1b - Air Stability	21/3/2019 12:39 PM	Microsoft PowerP...
Chap 2 - Cloud & Precipitation	20/8/2020 9:46 PM	Microsoft PowerP...
Chap 3 - Visibility	20/8/2020 9:09 PM	Microsoft PowerP...
Chap 4 - Severe Weather at Sea	20/8/2020 9:35 PM	Microsoft PowerP...
Chap 5 - Wind	22/8/2020 7:30 AM	Microsoft Edge P...
Chap 5 - Wind	23/6/2021 7:35 AM	Microsoft PowerP...
Chap 6a - Climatology	23/8/2020 6:37 PM	Microsoft Edge P...
Chap 6a - Climatology	23/6/2021 8:17 PM	Microsoft PowerP...
Chap 6b - Climate Change and Global W...	23/8/2020 6:37 PM	Microsoft Edge P...
Chap 6b - Climate Change and Global W...	16/4/2019 10:48 AM	Microsoft PowerP...
Chap 6c - El-Nino	23/8/2020 6:38 PM	Microsoft Edge P...
Chap 6c - El-Nino	22/7/2018 1:00 PM	Microsoft PowerP...
Chap 7 - Weather Systems	22/8/2020 4:40 PM	Microsoft PowerP...
Chap 8 - Synoptic Chart & Forecasting	27/6/2021 1:46 PM	Microsoft PowerP...
Chap 9 - Weather Observations	5/9/2020 8:04 AM	Microsoft PowerP...
Chap 10 - Meteorology organization	29/6/2021 7:18 AM	Microsoft PowerP...
GTS network	28/6/2021 10:07 AM	JPG File
Meteorological zones	28/6/2021 9:39 AM	JPG File

ADDITIONAL RESOURCES



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