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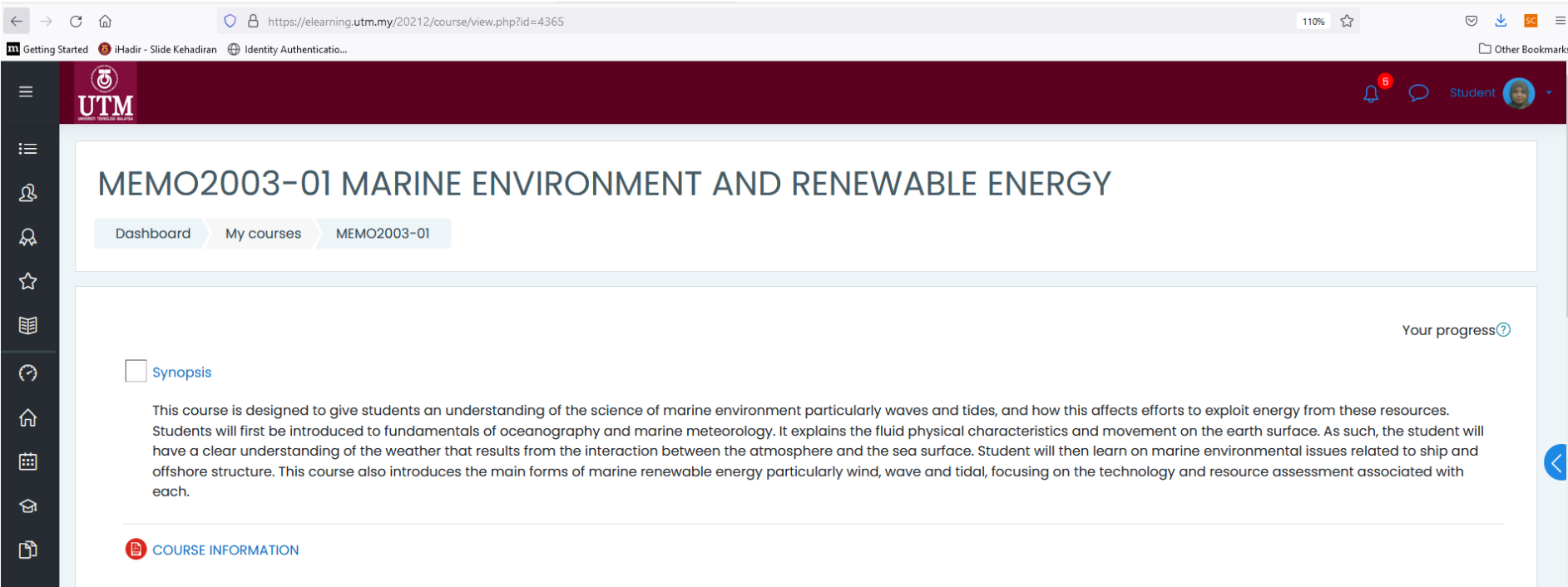
MARINE ENVIRONMENT AND RENEWABLE ENERGY

Marine Coastal and Delta Sustainability for Southeast
Asia (MARE)

OVERVIEW

- Contain “Marine Environment and Renewable Energy” course material for Master of Science (Mechanical Engineering)
- Site URL:
<https://elearning.utm.my/20212/course/view.php?id=4365>
- Medium: English
- Modules:
 - Announcements
 - Overview
 - Lesson Plan
 - Course Materials
 - Lecture Notes
 - Additional Resources
 - Assignment

OVERVIEW (Disclaimer)



Getting Started iHadir - Slide Kehadiran Identity Authenticatio... Other Bookmarks

UTM
UNIVERSITI TEKNOLOGI MALAYSIA

6 Student


MEMO2003-01 MARINE ENVIRONMENT AND RENEWABLE ENERGY

Dashboard > My courses > MEMO2003-01

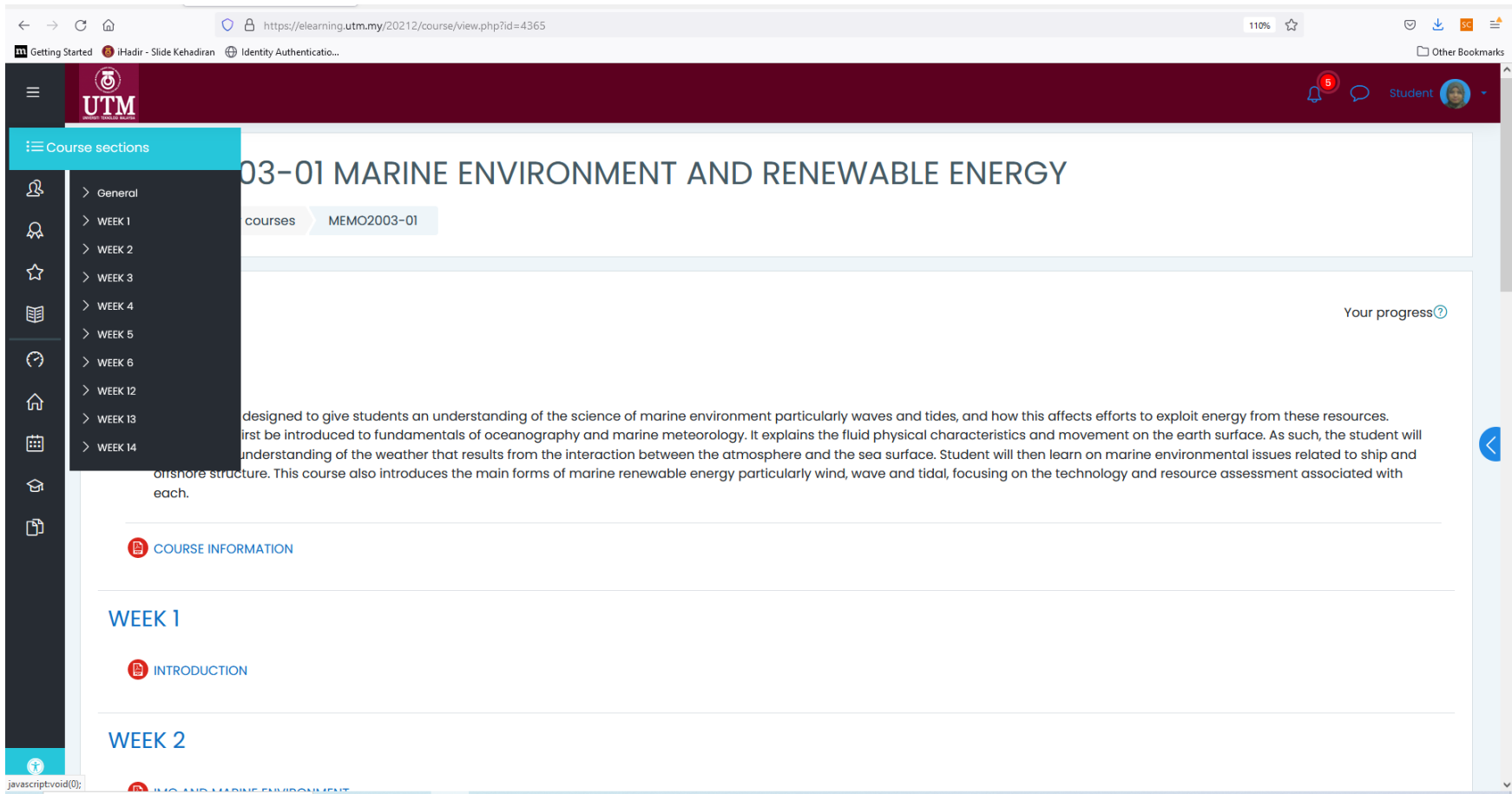
Your progress ⓘ

Synopsis

This course is designed to give students an understanding of the science of marine environment particularly waves and tides, and how this affects efforts to exploit energy from these resources. Students will first be introduced to fundamentals of oceanography and marine meteorology. 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. Student will then learn on marine environmental issues related to ship and offshore structure. This course also introduces the main forms of marine renewable energy particularly wind, wave and tidal, focusing on the technology and resource assessment associated with each.

 COURSE INFORMATION

LESSON PLAN



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Course sections

- > General
- > WEEK 1
- > WEEK 2
- > WEEK 3
- > WEEK 4
- > WEEK 5
- > WEEK 6
- > WEEK 12
- > WEEK 13
- > WEEK 14

MEMO2003-01 MARINE ENVIRONMENT AND RENEWABLE ENERGY

courses MEMO2003-01

Your progress

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COURSE INFORMATION

WEEK 1

INTRODUCTION

WEEK 2

WIND AND WAVE ENVIRONMENT

COURSE MATERIALS

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Synopsis



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COURSE INFORMATION

WEEK 1

INTRODUCTION

WEEK 2

IMO AND MARINE ENVIRONMENT

SHORT ESSAY ASSIGNMENT (1)

WEEK 3

INTRO TO RENEWABLE ENERGY RESOURCES (1)

FORUM: RENEWABLE ENERGY TREND

Please upload your answer here.

WEEK 4

INTRO TO RENEWABLE ENERGY RESOURCES (2)

WEEK 5

INTRO TO RENEWABLE ENERGY SOURCE (3)

WEEK 6

INTRO TO RENEWABLE ENERGY RESOURCE (4)

NOTES ATTACHMENT



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WEEK 2

IMO AND MARINE ENVIRONMENT

IMO AND MARINE ENVIRONMENT

Click [Carpenter_from_The_Marine_Environment-FPI.pdf](#) link to view the file.

Previous activity

◀ INTRODUCTION

Jump to...

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ADDITIONAL RESOURCES



MEMO2003-01 MARINE ENVIRONMENT AND RENEWABLE ENERGY

Dashboard > My courses > MEMO2003-01 > WEEK 9 > ADDITIONAL RESOURCES (MARITIME OPERATION AND MARINE ENVIRONMENT) > Edit settings

Updating URL in WEEK 9

General

Name

External URL

Description 



ASSIGNMENT

WEEK 6

INTRO TO RENEWABLE ENRGY RESOURCE (4)

WEEK 7 (PROJECT VIDEO)

Ability to analyze available marine renewable energy converter and propose suitable design for Malaysia sea state conditions.

Appraise various aspects of investment in renewable energy development using appropriate techniques and Excel functions for finance

PERFORMANCE OF RENEWABLE ENERGY DEVICE

Briefing Video

Mark as done

Project Renewable Energy Device Design

Group Discussion (minute of Meeting)

Mark as done

Please post your answer after read the slide 9_1

Rubrics for Report

Mark as done

Group Presentation



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Thank You

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