

MASTER IN CLIMATE CHANGE

Duration

2 - 4 Semester

MQF

Level 7

Language

English

Study Mode

Course Work



Modeling systems, Python and R programming, Google Earth Engine, Life Cycle Assessment (LCA).

In line with current technological developments and changes.



Excursion field trip in Tropical Malaysia

Introduction

Master in Climate Change (Coursework) focuses on the issues of climate change and global warming, which are global issues that have a detrimental impact on humans and the environment. This issue has been experienced worldwide since ancient times, and the global temperature rise is expected to continue increasing in the future.

This program covers the fields of climate change science, carbon emissions, geographic information systems (GIS), remote sensing, space science, and related areas. The program implements practical learning where students can handle modeling systems, Python and R programming, Google Earth Engine, Life Cycle Assessment (LCA), as well as excursion activities to visit sites and agencies involved in climate change mitigation and adaptation activities.

This program is highly relevant in the present and future, and many key sectors of the country are directly and indirectly involved in contributing to global warming. The program offers employment opportunities in the public and private sectors according to the demand in the current market and long-term prospects. Graduates of this program are needed in the field of climate change modeling and analysis in government agencies, private entities, and related consulting companies.

The program offered is aligned with the development and technological changes related to climate change issues that have implications for national development planning, including justifications to support the National Key Economic Areas (NKEA) such as Agriculture; Oil, Gas, and Energy; Hospitality and Tourism; Advanced Engineering, Science, and Innovation. This offering is also in line with current technological developments and changes. The learning requirements also incorporate the Fourth Industrial Revolution.

Course Learning Outcome

- ▶ Mastering basic knowledge and having forward-thinking in the field of climate change.
- ▶ Applying theories, strategies, and technologies in the field of climate change.
- ▶ Assessing and creatively solving complex problems in the field of climate change.
- ▶ Carrying out tasks in the field of climate change ethically, professionally, and emotionally intelligently.
- ▶ Communicating effectively orally and in writing, as well as using digital media effectively in the field of climate change.
- ▶ Researching and processing data analytically and numerically to contribute new knowledge in the field of climate change.
- ▶ Practicing knowledge of climate change science in daily activities.

Entry Requirements

Bachelor's degree with a minimum CGPA of 2.50 or its equivalent from any higher education institution recognized by the Senate;

OR

Bachelor's degree that does not meet the minimum CGPA of 2.50 or its equivalent, may be accepted subject to a minimum of five (5) years of working experience in the related field;

English Language Requirements
International candidates must meet the English language requirements set by the Institute and University as follows:

IELTS: achieving a minimum score of Band 5.0

OR

TOEFL: achieving a minimum score of 60 (iBT)

OR

CEFR: achieving a Mid B2 level

OR

MUET: attaining at least Band 3

OR

International students who do not meet the English language proficiency requirements may be granted Conditional Offer as follows:

- students are allowed to attend the University's internal English Preparation Course for a maximum period of two (2) years; and
- international students attending the internal English Preparation Course must take the MUET examination or any examination aligned with The Common European Framework of Reference (CEFR), achieving at least Band 3 for MUET or CEFR Mid B2 to meet the English language proficiency requirement.

OR

The Institute may grant exemptions to the above-mentioned requirements for international candidates who come from countries where English is an official language or who possess academic qualifications obtained from any higher education institution that uses English as the medium of instruction.

Advantages of Programme

The National University of Malaysia's Master in Climate Change (Coursework) program is the only program offered in Malaysia that focuses on enhancing graduates' knowledge with the latest methods in measuring, analyzing, and predicting climate change. This program aims to assist in mitigation efforts and policymaking. We are committed to raising awareness about climate change and its impacts on both local and global scales.



Course Structure

The program is implemented through coursework and offers a total of 48 units of courses. Students are required to take 9 core courses, including a project paper, and they need to choose 2 out of 4 elective courses offered. The total number of units required to pass is 42 units.

Core Courses of the Program	24 units
Elective Courses of the Program	6 units
Project Paper	12 units
Total Units	42 units

Fees

International Students

Total fees (min sem: 2)	RM 36,000.00
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Student Testimonials

"..I had a great experience at IPI and I will say let them continue to maintain the established.."

Bello Saeed Abioye
(Ph.D. graduate, now lecturer in University of Ilorin, Nigeria)

"..Staff was very friendly, my supervisor was great and I'm very satisfied during my studies. I received a lot support from everyone and I believe everything is perfect in IPI.."

Rishabh Saxena
(MS.c. graduate, now as freelance investor)

"..Good internet, good facilities and good study place.."

Aisyah Marliza Muhmad Kamarulzaman
(MS.c graduate, now continuing Ph.D. with IPI)

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