



XIAMEN UNIVERSITY MALAYSIA

廈門大學馬來西亞分校

DOCTOR OF PHILOSOPHY IN MARINE SCIENCE

Programme Aims

The aim is to produce graduate with positive attitudes towards society, knowledgeable, skilled and competent to become professional in the area of marine science.

Programme Educational Objectives (PEO)

The PEOs are to produce graduates who:

PEO1	Marine science expert equipped with state-of-the-art knowledge and practical skills in advanced numerical techniques and digital technologies, driving innovation in relevant industries and advancing academic excellence.
PEO2	Marine science expert who lead with autonomy, effectively communicate, and engage with internal and external stakeholders to drive advancements in the field of marine science.
PEO3	Marine science expert who uphold professionalism, demonstrate sound ethical conduct, and embrace social responsibility in addressing challenges and advancements in marine sciences and related fields.
PEO4	Marine science expert who embody lifelong learning and an entrepreneurial mindset, driving their career growth and advancing their profession.



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Programme Learning Outcomes (PLO)

At the end of the programme, graduates will be able to:

PLO1	Develop critical, in-depth, and frontier knowledge in marine sciences.
PLO2	Synthesize new knowledge to create novel concepts, interpretations, or applications in marine sciences.
PLO3	Initiate rigorous and independent research to generate innovative ideas and findings in marine sciences.
PLO4	Display effective collaboration with diverse stakeholders.
PLO5	Display proficiency in written and oral communication with the professional community and society.
PLO6	Integrate appropriate digital tools to address research challenges in marine sciences.
PLO7	Integrate qualitative and quantitative analytical techniques to solve research problems in marine sciences.
PLO8	Display autonomy, independence, leadership qualities, and management skills .
PLO9	Practice in lifelong learning for continuous personal and professional development.
PLO10	Display an entrepreneurial mindset to address challenges in marine sciences.
PLO11	Demonstrate independent research ethically and professionally .