PGCert (60 Credits)
Three Compulsory Modules

Marine Science and Engineering Management

Overview

Your first module of study will introduce you to studying at post-graduate level by distance learning and start your course with study of some important strategic subjects such as sustainability, shipping markets, marine operations and maritime governance.

Includes lectures in

Advanced marine vehicles
Offshore renewables
Global trade & transport modes
Meteorology & oceanography
Ship characteristics & vessel efficiency
Charting
IMO conventions such as:
Ballast water
Polar code
SOLAS
ISM
Marpol

Key skills learned

Evaluation & analysis
Criticism
Scientific method
Data presentation
Report writing
Academic overview of the maritime world

Language

English

Duration

13 weeks part-time study

Credits

20 transferable credits at academic level 7

Assessment

Coursework only.

PGCert (60 Credits)
Three Compulsory Modules

Project and Data Management

Overview

This module will develop your post-graduate study skills in an applied maritime context while also equipping you with project and data management skills appropriate to your possible future employment as mid ranking/senior staff in the marine industry. It will teach you data gathering, manipulation and evaluation skills to critically analyse maritime engineering and commercial data.

Includes lectures in

Project management practice
Project assurance
Quality control
Change and risk management

Key skills learned

Gather, prepare and manipulate maritime scientific, engineering or commercial data
Using industry-appropriate software
Model and analyse the behaviour of systems
Apply leadership and project management skills
Develop individual effective management techniques
Critically evaluate results

Language

English

Duration

13 weeks part-time study

Credits

20 transferable credits at academic level 7

Assessment

Coursework only.

PGCert (60 Credits)
Three Compulsory Modules

Maritime Industry Practice

Overview

This module aims to help you achieve a balanced analysis of the global maritime industry and support your understanding of how individuals, team members, employees, leaders, managers or employers may participate and contribute to the safe, efficient, legal, ethical and effective delivery of maritime activity.

Includes lectures in

International legislation
Global economics
Harbour and shipping industry practice
Corporate ethics
Sustainable development
Corporate and social responsibility

Key skills learned

Apply current maritime legislative and regulatory statements to complex maritime scenarios
Understand the importance of compliance
Justify and evaluate modern maritime industry operational behaviour
Analyse case studies
Critically discuss and evaluate concepts, methods, techniques and practice in the maritime sphere

Language

English

Duration

13 weeks part-time study

Credits

20 transferable credits at academic level 7

Assessment

Coursework only.

PGDip (60 Credits)
Two Optional Modules
Option 1

Protecting the Marine Environment

Overview

Protection of the Marine Environment offers students the opportunity to examine the state of the global ocean and coastal zone, with an emphasis on the effects of maritime activity. In particular, students study the physical and biological nature of the ocean, its sensitivity to mankind's marine activity, requirements and techniques for oceanic protection and current, probable future risks, including the role of sustainable maritime development.

Includes lectures in

Green ship technology
Ballast water
Marine protected areas
Risk applied legislation and regulation
Ocean and coastal zone protection
Dredging and harbour maintenance

Key skills learned

Express a systematic understanding of the key environmental risks posed by and current within the maritime sector
Describe, debate and critically analyse the current legislative and marine spatial planning framework
Apply current marine legislation and regulation to complex maritime change scenarios
Evaluate methodologies for solving environmental issues and creatively apply theories, models and solutions in a management context

Language

English

Duration

13 weeks part-time study

Credits

30 transferable credits at academic level 7

Assessment

Coursework only.

PGDip (60 Credits)
Two Optional Modules
Option 2

Ship and Marine Operations

Overview

This module will give you a detailed knowledge of modern international shipping and other maritime activity, at strategic and operational levels. It explores the role of marine operations, the oil & gas industry and shipping in the extraction of natural resources and movement of freight, in the international, intermodal industry. Global marine trade, shipping, ships and port operation are examined in detail and specific shipping operator roles are identified.

Includes lectures in

Logistics and Inter modal transport
Oil and gas industry
Maritime leadership and management
Maritime corporate enterprise

Key skills learned

Autonomously identify, judge and recommend remedies to problems
Evaluate and implement effective leadership and efficient management practices
Apply current theoretical and methodical approaches for effective leadership
Analyse modern shipping and marine operational practice

Language

English

Duration

13 weeks part-time study

Credits

30 transferable credits at academic level 7

Assessment

Coursework only.

PGDip (60 Credits)
Two Optional Modules
Option 3

Offshore Renewable Energy

Overview

Marine Renewable Energy will equip you with a strong and stable background framework knowledge and understanding in this specialist area of expertise. Bringing together meteorology, oceanographic and coastal environmental process together with modern renewable engineering techniques, it will provide you with a practical and forward looking skill set in this field.

Includes lectures in

Advanced meteorology and ocean processes
Environmental socio-economic impacts
Renewable energy engineering
Offshore coastal zone engineering

Key skills learned

Demonstrate knowledge of key concepts relating to meteorology and oceanography.
Analyse and debate possible social, environmental and economic impacts arising from the development of marine renewable energy sources.
Critically evaluate a variety of marine renewable energy generation mechanisms.
Understanding of the arguments, challenges and solutions to providing sustainable and efficient energy delivery
Abilities in the design, development, testing, critical evaluation and judgement of sustainable current and future energy supply

Language

English

Duration

13 weeks part-time study

Credits

30 transferable credits at academic level 7

Assessment

Coursework only.

PGDip (60 Credits)
Two Optional Modules
Option 4

Coastal Zone Management

Overview

This module examines maritime activity and its effects in the coastal zone. Examining the status quo in populated and remote coastal zones it offers students a broad perspective on natural and human impacts on littoral areas, embracing the effects of environmental and climate change, commercial and industrial development, legislative control, tourism and leisure..

Includes lectures in

Coastal zone processes
Climate and environmental change
Applied maritime legislation
Tourism and leisure
Stakeholder engagement and behaviour

Key skills learned

Develop a detailed understanding of appropriate coastal zone processes and analyse the effects of natural and human activity on these processes.
Evaluate the legal and regulatory arguments associated with current coastal zone development and protection.
Categorise organisational behaviour in the coastal zone to construct a full description of stakeholder engagement and its environmental, social and economic effects.
Extrapolate current tourism, leisure or other coastal zone activity to synthesise future pressures and outcomes in this environment.

Language

English

Duration

13 weeks part-time study

Credits

30 transferable credits at academic level 7

Assessment

Coursework only.

PGDip (60 Credits)
Two Optional Modules
Option 5

Maritime Strategy & Policy

Overview

Maritime Strategy and Policy sets your learning into a worldwide marine economy perspective, through the analysis of maritime commercial practice. Appraisal of the occasionally conflicting areas of marine markets, sales, finance, management, leadership, organisational behaviour, operations, maritime communication, enterprise and corporate social responsibility are brought together.

Includes lectures in

Finance and numeracy
Maritime commerce and communication
Maritime markets, sales and enterprise
Organisational behaviour, problem solving
Corporate responsibility

Key skills learned

Appraise national and international strategic maritime activity and policy
Demonstrate a detailed understanding of common financial analysis tools, and apply these in a maritime context
Analyse marine business case studies, from operational, economic and ethical perspectives to form supportable judgements and financial success
Demonstrate the skills required to manage for financial and operational success in a maritime business setting

Language

English

Duration

13 weeks part-time study

Credits

30 transferable credits at academic level 7

Assessment

Coursework only.

Research Project

Duration

12 Months of part-time distance learning

Description

A short period of distance learning study in Applied Research Methods
A workplace focussed research project in an appropriate area

Credits

60 credits at academic level 7

Assessment

Coursework only.