

## PROGRAMME SPECIFICATION – POSTGRADUATE PROGRAMMES

### KEY FACTS

Programme name	Maritime Operations and Management (MOAM)
Award	MSc
School	Mathematics, Computer Science and Engineering
Department or equivalent	Mathematics, Computer Science and Engineering
Programme code	PSMOPM
Type of study	Full Time and Part Time (London); Full Time (Piraeus)
Total UK credits	180
Total ECTS	90
Partnership Information	London: No partnership. Off-site partnership in Greece with Lloyd's Register

### PROGRAMME SUMMARY

The Programme has been developed in consultation with a community of advisors from Industry and is designed to provide advanced scholarship in maritime operations and management with strong focus on industrial problem solving. The Programme is for professionals from all branches and specialist occupations of the Merchant Navy, Royal Navy and other land based maritime occupations as well as graduates and postgraduates with relevant backgrounds. The Programme will provide you with opportunities for further maritime, academic and professional development opportunities. You will be expected to have a sound grounding in your respective fields and/or considerable experience. The Programme will equip you with the knowledge and problem solving experience to enable you to seek positions of greater responsibility in your chosen field and progress into managerial and strategic positions. As such, the programme aims to enable you to:

1. Develop professionals who engage with appropriate and relevant general and specialist knowledge in relation to technological aspects of maritime activities
2. Practice research and problem solving involved in management of maritime operations, capital assets, equipment and human resources
3. Engage with practice informed by theory across the disciplines relating to the sector including operations and economics, technology, the environment, law, business accounting, as well as management and leadership
4. Critically evaluate historical cases and current practices and identify opportunities for innovation and change.

When completing the MSc in Maritime Operations and Management you will demonstrate original application of knowledge to maritime issues and in the choice of approaches to practice. You will be engaged in research or scholarly activity that contributes new views to aspects of the subject.

The Programme can be undertaken on a full or part-time basis at the University in London or at the Lloyd's Register's Training Centre in Piraeus on a part time basis.

There are three types of awards that you can get:

**Postgraduate Certificate in Maritime Operations and Management.** For all of you completing the Postgraduate Certificate you will have had the opportunity to examine the theories and practice related to the principles of maritime operations and management and demonstrated sufficient ability in at least four taught modules (60 credits), which can be any combination of modules among the available ones.

**Postgraduate Diploma in Maritime Operations and Management.** For all of you completing the Postgraduate Diploma, in addition to the above you will have explored the theory and practice, and demonstrated ability in all the different aspects of maritime operations and management, considering such aspects from different perspectives and demonstrating critical insight on the applicable methods and techniques employed in the maritime industries. Furthermore, you will have demonstrated ability in evaluating, analysing and developing solutions to marine issues. This equates to passing all eight taught modules, worth 120 credits.

**MSc in Maritime Operations and Management.** For all of you completing the MSc programme, which is the normal path undertaken, in addition to the above you will have demonstrated original application of knowledge in the area, through the undertaking of a maritime project which is formally written up as Dissertation and defended by means of an oral examination. Your individual project is a substantial module worth an additional 60 credits, bringing your total number of credits to 180. You can commence the project once you have successfully undertaken all your taught modules.

#### **WHAT WILL I BE EXPECTED TO ACHIEVE?**

**On successful completion of this programme, you will be expected to be able to:**

Knowledge and understanding:

1. Discuss maritime operations and technology and the related business environment in which they work
2. Critically examine the business, legal and economic environment surrounding a service industry
3. Evaluate the design and operation of selected technical aspects of ship, offshore, subsea and other maritime related structures, marine technology and research methodology
4. Apply models of leadership and management to a wide range of maritime activities
5. Assess the environmental impact of maritime activities and their influence upon the management of the platform, process and human factors.
6. Demonstrate knowledge of appropriate international codes, standards and guidelines

Skills:

1. Devise solutions to complex issues within the management of maritime and business operations
2. Demonstrate sound judgement to optimise application of established and new technologies

3. Use learning and inter-maritime resources effectively for independent research and continuing professional development
4. Communicate confidently and effectively in oral and written forms with the aid of standard information technology systems
5. Manage time and resources to effectively work as an individual or as a member or leader of a group
6. Evaluate information from disparate sources and assess the quality and relevance of research or information for enhancing products and services
7. Continue to develop interpersonal, social and personal skills which show a systematic approach to professional development
8. Demonstrate capacity to manage resources for the benefit of the community and the future while preserving the safety of life, property, and the environment.

Values and attitudes:

1. Respect the opinions of colleagues and collaborators and following evaluation act on feedback
2. Demonstrate insight into personal strengths and weaknesses and show commitment to professional standards
3. Show recognition of obligation to colleagues, the profession and the environment

**HOW WILL I LEARN?**

The learning, teaching and assessment on this programme is predicated on three aims (1) to cover the substantive base line knowledge content; (2) to signpost further reading and research which is linked to the assessment; and (3) to use active and collaborative approach to learning to simulate the world of work though for example problem solving, learning through cases and simulations. The teaching and learning strategy for each module follows this general form and you will find a range of methods are used to support specific objectives. In addition to the ones mentioned this includes lectures, workshops, presentations, small group work, peer review and feedback, and structured tasks.

As in the maritime sector emphasis is placed on punctuality, and active engagement during class contact time. Students must first take an introductory module which provides a background to the academic environment and professional development skills.

Formal assessment of the taught part of the programme is based on coursework, which generally takes the form of problem or essay type questions, and invigilated written examinations. Coursework undertaken in the earliest part of the programme will give students the opportunity to establish the academic level expected. Coursework provides students at different stages of the programme with opportunities to develop and demonstrate research and other skills in addition to knowledge and understanding of the various subject areas. Course work is important in demonstrating both the capacity for independent study and to apply and extend the materials covered in class. Some of the skills, along with knowledge and understanding are tested further within the written examinations.

The research project is aimed at preparing students to deal with specific professional procedures. These will relate to previous experience, or new research and will include literature search, assimilation of previous work, critical evaluation and communication of results. The research project is assessed through a dissertation.

## **WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?**

### Assessment and assessment criteria

Assessment for the core modules (apart from the Professional Studies module) is a combination of examination and coursework. You will find that across the modules a variety of activities make up the course work component including: group and individual presentations, essays, reports, research proposal and dissertation. This is to ensure a variety of approaches to assessing knowledge and skills.

Formative assessment will be used in modules for class activities. This means you get feedback from the lecturer and your peers to improve your work before it is finally assessed.

Assessment Criteria are descriptions, based on the intended learning outcomes, of the skills, knowledge or attitudes that you need to demonstrate in order to complete an assessment successfully, providing a mechanism by which the quality of an assessment can be measured.

Grade- Related Criteria are descriptions of the level of skills, knowledge or attributes that you need to demonstrate in order achieve a certain grade or mark in an assessment, providing a mechanism by which the quality of an assessment can be measured and placed within the overall set of marks. Assessment Criteria and Grade-Related Criteria will be made available to you to support you in completing assessments. These may be provided in programme handbooks, module specifications, on the virtual learning environment or attached to a specific assessment task.

### Feedback on assessment

During the taught module you will be given the opportunity to get feedback from your lecturers and peers. This will include question and answer sessions, presentations by you individually and as part of a group followed by discussion. There are all opportunities for you to be proactive in getting, giving and acting on feedback.

Your lecturers will give you feedback on draft coursework within a set time period and they will also give you general comments on what the current and past cohorts of students have done well and less well. You will find it useful to study the feedback on examinations from the past this will be available in the VLE.

For the project module you will be working closely with your supervisor who will be balancing the need to enable you to work independently with feedback at key milestones and the need to provide tutorial guidance if there are difficulties. Information about this is in our dissertation handbook.

Feedback is provided on all coursework to help you improve your marks on later assignments.

Feedback will be provided in line with our Assessment and Feedback Policy. In particular, you will normally be provided with feedback within three weeks of the submission deadline or assessment date. This would normally include a provisional grade or mark. For end of module examinations or an equivalent significant task (e.g. an end of module project), feedback will normally be provided within four weeks. The timescale for feedback on final year projects or dissertations may be longer. The full policy can be found at:

[https://www.city.ac.uk/\\_data/assets/pdf\\_file/0008/68921/assessment\\_and\\_feedback\\_policy.pdf](https://www.city.ac.uk/_data/assets/pdf_file/0008/68921/assessment_and_feedback_policy.pdf)

### Assessment Regulations

In order to pass your Programme, you should complete successfully or be exempted from the relevant modules and assessments and will therefore acquire the required number of credits.

The pass mark for each module is 50%. The pass mark for all assessment components is also 50%.

If you fail an assessment component or a module, the following will apply:

1. Compensation: where you fail up to a total of 20 credits at first or resit attempt (15 for a Postgraduate Certificate), you may be allowed compensation if:
  - Compensation is permitted for the module involved (see the What will I Study section of the programme specification), and
  - It can be demonstrated that you have satisfied all the Learning Outcomes of the modules in the Programme, and
  - A minimum overall mark of no more than 10% below the module pass mark has been achieved in the module to be compensated, and
  - An aggregate mark of 50% has been achieved overall.

Where you are eligible for compensation at the first attempt, this will be applied in the first instance rather than offering a resit opportunity.

If you receive a compensated pass in a module you will be awarded the credit for that module. The original component marks will be retained in the record of marks and your original module mark will be used for the purpose of your Award calculation.

2. Resit: Where you are not eligible for compensation at the first attempt, you will be offered one resit attempt.

If you are successful in the resit, you will be awarded the credit for that module. The mark for each assessment component that is subject to a resit will be capped at the pass for the module. This capped mark will be used in the calculation of the final module mark together with the original marks for the components that you passed at first attempt.

If you do not meet the pass requirements for a module and do not complete your resit by the date specified you will not progress and the Assessment Board will require that you be withdrawn from the Programme.

If you fail to meet the requirements for the Programme, the Assessment Board will consider whether you are eligible for an Exit Award, as per the table below.

If you would like to know more about the way in which assessment works at City, please see the full version of the Assessment Regulations at:  
[http://www.city.ac.uk/\\_data/assets/word\\_doc/0003/69249/s19.doc](http://www.city.ac.uk/_data/assets/word_doc/0003/69249/s19.doc)

### WHAT AWARD CAN I GET?

#### Master's Degree:

	HE Level	Credits	Weighting (%)
Dissertation	7	45	25
Taught	7	135	75

Class	% required
With Distinction	70
With Merit	60
Without classification	50

#### Postgraduate Diploma:

	HE Level	Credits	Weighting (%)
Taught	7	120	100

Class	% required
With Distinction	70
With Merit	60
Without classification	50

#### Postgraduate Certificate:

	HE Level	Credits	Weighting (%)
Taught	7	60	100

Class	% required
With Distinction	70
With Merit	60
Without classification	50

### WHAT WILL I STUDY CONTENT AND REGULATIONS

To pass a Part of a Programme, a student should acquire the total credit set out in the Programme Scheme at the specified level for the Award.

- To qualify for a Master's Degree, a student must acquire a total of 180 credits as specified in the Programme Scheme.
- To qualify for a Postgraduate Diploma, a student must acquire a total of 120 credits
- To qualify for a Postgraduate Certificate, a student must acquire a total of 60 credits

### Core Modules

The requirements to pass a Core Module are an overall aggregate mark of 50% and individual assessment component marks of:

- a) 50% coursework and,
- b) 50% in the invigilated examination.
- c) The Professional Development Module (EPM401) is assessed by course work and the required pass mark is 50%

### Elective Modules

The requirement to pass an Elective Module is 50% coursework

### Individual Project

A pass mark of 50% must be achieved in order to pass the Individual Project.

All students must first take the 'Professional Studies' that provides an introduction to the higher education environment, professional development and research skills. Students must then take six taught core modules and select a further two taught elective modules from a list of seven (some modules may not be available due to insufficient student numbers). Following this a dissertation must also be completed for the award of MSc.

Some elective modules have prerequisite core modules and details of this are provided in the Programme handbook. Students in London and Piraeus will be able to study all of the elective modules, however, two will be offered in Piraeus but if a Greece based student wishes to study any of the other elective modules they may undertake these when offered in London.

Module Title	SITS Code	Module Credits	Core/ Elective	Can be Compensated?	Level
Professional Studies	EPM401	15	C	Y	7
Maritime Technology	EPM783	15	C	Y	7
Maritime Operations and Insurance	EPM782	15	C	Y	7
Maritime Law	EPM784	15	C	Y	7
Maritime Economics and Accounting	EPM785	15	C	Y	7
Maritime Management	EPM786	15	C	Y	7
Project	EPM402	45	C	N	7
Environmental Issues	EPM790	15	C	Y	7
Ports, Strategy and Development	EPM788	15	E	Y	7
Security Studies	EPM792	15	E	Y	7
Marketing of Maritime Services	EPM791	15	E	Y	7
Ship Design	EPM793	15	E	Y	7
Offshore Engineering and Operations	EPM794	15	E	Y	7
Independent Study Mini Project	EPM798	15	E	Y	7

Risk Management	EPM403	15	E	Y	7
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**TO WHAT KIND OF CAREER MIGHT I GO ON?**

The City MOAM association and accreditation by Institute of Marine Engineering Science and Technology (IMarEST) and the Institute of Chartered Shipbrokers are important networks for career development. Students will be encouraged to participate in colloquia, seminars and conferences. Students are invited to the annual Programme networking event onboard the Wellington headquarters of the Honourable Company of Master Mariners. This is an opportunity to meet some of the leading professionals in the field. In addition students may participate in industrial visits to local companies involved with MOAM issues such as consultancy companies, contractors, research organizations, local authorities and maritime business companies. Students will be invited to research seminars related to on-going research projects to experience emerging research and discuss application to real-world. London is acknowledged as the principal global Maritime Hub. Many international organisations and companies involved in Maritime Operations and Management have representations in London. Visits during the year may be arranged to organisations such as Shell and BP, the Baltic Exchange, International Maritime Organisation (IMO), International Chamber of Shipping, Institution of Lloyds Underwriters and to the ports such as Shoreham and Thames Gateway. Some similar visits will also be arranged for the Piraeus based students as appropriate.

**WILL I GET ANY PROFESSIONAL RECOGNITION?**

This course has been developed in partnership with The Honourable Company of Master Mariners, and is compatible with The MoD's Enhanced Learning Credits Administration Service (ELCAS) an initiative to promote lifelong learning amongst members of the Armed Forces.

The Programme is for professionals from all branches and specialist occupations of the Merchant Navy, Royal Navy and other maritime occupations as well as graduates and postgraduates with relevant backgrounds who are looking for fast track career progression and consultancy.

Accrediting Bodies: Institute of Marine Engineering Science and Technology (IMarEST) and the Institute of Chartered Shipbrokers (ICS). The Royal Institution of Naval Architects also accredits the course for Continuing Professional Development.

Nature of Accreditation for IMarEST is meeting the academic requirements, in full, for registration as a Chartered Marine Technologist and for the ICS in part for the final examinations.

## **HOW DO I ENTER THE PROGRAMME?**

- A recognised university degree (normally a 2:2 minimum) in an appropriate discipline
- A Certificate of Competence as Master or Chief Engineer, Class 1 Master Mariner, Class 1 Engineer
- A Higher National Diploma in an appropriate discipline plus relevant professional qualifications and experience
- Relevant experience and qualifications in the offshore industry to a reasonable level of responsibility
- For those students whose first language is not English, one of the following qualifications is also required: IELTS: 6.5.
- The selection process may include an interview.

Version: 5.0

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