1 Introduction

This document provides an initial reading list for each course on the Offshore Engineering Masters Programme. The list is not exhaustive, as the course coordinators and lecturers may suggest additional references. However, these lists aim to provide an introduction to the material presented on each course.

Depending on your route through the programme:

- Campus-based students beginning their studies in September will start with Offshore Structures and Subsea Systems, Subsea Construction, Inspection and Maintenance, and Electrical Systems for Renewable Energy and additionally, one course from Subsea Controls and Subsea Integrity;
- Online-learning students beginning their studies in September will start with Offshore Structures and Subsea Systems and Subsea Construction, Inspection and Maintenance;
- Individual subject studies students may tackle the courses in any order (in consultation with the Programme Coordinator and the admissions team).

2 Programme structure

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<th>Course title</th>
<th>Campus</th>
<th>Online learning</th>
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<td>Autumn</td>
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<tr>
<td>Offshore Structures and Subsea Systems</td>
<td>EG50R1</td>
<td>EG502T (year 1)</td>
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<tr>
<td>Subsea Construction, Inspection and Maintenance</td>
<td>EG50T7</td>
<td>EG50T8 (year 1)</td>
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<td>Electrical Systems for Renewable Energy</td>
<td>EG501H</td>
<td>EG504B (year 2)</td>
</tr>
<tr>
<td>Subsea Controls</td>
<td>EG50F6</td>
<td>EG50G6 (year 2)</td>
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<tr>
<td>or Subsea Integrity</td>
<td>EG50F8</td>
<td>EG50G8 (year 2)</td>
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<td>Spring</td>
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<td>Engineering Risk and Reliability Analysis</td>
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<td>Marine Environmental Impact Assessment</td>
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<td>Renwable Energy Integration of Grid</td>
<td>EG551K</td>
<td>EG55M5 (year 2)</td>
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<td>Pipelines and Soil Mechanics</td>
<td>EG55F2</td>
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<td>Individual Project in Offshore Engineering</td>
<td>EG5918</td>
<td>EG5919 (year 2/3)</td>
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3 Courses running between September and December

Remote access to electronic copies of the texts highlighted in red is available from the University of Aberdeen Library.

EG50R1/EG502T – Offshore Structures and Subsea Systems


EG50T7/EG50T8 – Subsea Construction, Inspection and Maintenance


EG501H/EG504B – Electrical Systems for Renewable Energy


EG50F6/EG50G6 – Subsea Controls – Optional course


EG50F8/EG50G8 – Subsea Integrity – Optional course


4 Courses running between January and May

Remote access to electronic copies of the texts highlighted in red is available from the University of Aberdeen Library.

EG55P6/EG55Q2 – Engineering Risk and Reliability Analysis


EG552U/EG552V – Marine and Wind Energy


ZO5516/ZO5514 – Marine Environmental Impact Assessment


EG551K/EG55M5 – Renewable Energy Integration of Grid – Optional course


EG55F2/EG55G2 – Pipelines and Soil Mechanics – Optional course


5 Other courses/materials

EG5918/EG5919 – Individual Project in Offshore Engineering

Reading lists will be determined on a project-by-project basis, in discussion with the project supervisor.

Engineering mathematics background reading

These references cover the basic engineering mathematics, which might be encountered on any of the courses in the programme. Further details can be found in the Maths Skills document for the Offshore Engineering Masters Programme.


6 Getting started with University of Aberdeen library resources

Once your registration as a University of Aberdeen student is complete, you will have access to the University Library. Access is available to both campus and online-learning students. The library provides access to a number of electronic resources on this reading list (highlighted in red), which are available for you to remotely access/download as part of the University’s library subscriptions.

To get you started with the library resources, you can download an electronic copy of the *Subsea Engineering Handbook* by Bai and Bai using the following instructions:

1. Navigate a web browser to the University of Aberdeen library catalogue:
   
   [http://primo.abdn.ac.uk](http://primo.abdn.ac.uk);

2. Search for the *Subsea Engineering Handbook* in the "All collections" area;

3. The book should appear at the top of the search results, but if not, then select a search result which has "Full text available";

4. This will bring up a new page with a link titled “Full text available via Elsevier ScienceDirect Books”;

5. Clicking on this link will take you to a page where you can download this book.

*Please note that these instructions will not work until your registration as a University of Aberdeen student has been completed. If you are not on the University network, then you can still access these electronic resources, but you may be asked to supply your University username and password before the download starts.*