**Programme Regulations Academic Year 2022/2023**

**Joint Degree Programme between Singapore Institute of Technology (SIT) and Newcastle University (NU) leading to Degree of Bachelor of Engineering with Honours in Naval Architecture and Marine Engineering**

**Programme Code: 1808U**

1. The programme consists of 180 credits. One credit at SIT is equivalent to two credits at Newcastle University.
2. The programme is taught over nine trimesters.
3. On successful completion of the programme students will receive a joint award from Newcastle University and Singapore Institute of Technology.
4. The joint programme is assessed on an A-F letter grade and associated 5.0 - 0 grade point scale.
5. A D Grade with corresponding grade point of 1.0 is a pass grade.
6. Students have a 5-year maximum candidature to complete their programme. Students will have a maximum of one re-sit for examinations/re-submission for continuous assessment and one re-module attempt per module, unless a successful Personal Extenuating Circumstances (PEC) application is made.
7. Students should attain at least a 2.0 Cumulative GPA (CGPA) after each trimester in order to maintain good academic standing.

After each study trimester and/or consecutive trimester, the joint Board of Examiners will track the academic standing of students with CGPA < 2.0 and issue the students with the following:

* + Academic Warning – in any study trimester, CGPA < 2.0
	+ Academic Probation – in the next consecutive study trimester, CGPA < 2.0
	+ Academic Termination – in the 3rd consecutive study trimester, CGPA < 2.0
1. Students obtaining an F grade or grade point of 0 in any module will be entitled to one resit/re-submission as of right.

If the failed module is a pre-requisite for a higher-level module, the student will not be able to take the higher-level module until the pre-requisite of the previous module has been met.

If the student fails the re-sit, a single re-module attempt will be offered at the next available opportunity.

1. Students obtaining an F grade undertaking a re-sit/re-submission attempt will have their grade point capped at 1.00 for the calculation of the CGPA
2. Students obtaining a D+/D or F grade have the option to undertake a re-module attempt and the grade point will be capped at 2.00 for the calculation of the CGPA.

For students who have a number of D+/D/F grades the Board of Examiners should see their complete profile for the academic year to ensure that the Board has the full information to allow them to make an informed decision on whether or not to allow progression to the next trimester or require the student to pause their studies to improve their situation. This will also allow the Board to see where students have used up their one single re-sit and one single re-module attempt after which they will be unable to progress on the programme.

**Candidates will normally undertake the following programme of study:**

**Year 1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Module Type** | **ECTS Credits** | **FHEQ Level** | **Trimester** | **Module Lead** |
| UDC1001 | Digital Competency Essentials | Compulsory | 2 | N.A | 1 | SIT |
| ENG1001 | Engineering Mathematics 1 | Compulsory | 6 | 4 | 1 | SIT |
| NME1103 | Marine Materials  | Compulsory | 6 | 4 | 1 | SIT |
| NME1105 | Marine Engineering 1A | Compulsory | 6 | 4 | 1 | NU |
| NME1107 | Naval Architecture 1A | Compulsory | 6 | 4 | 1 | NU |
| NME3101A | Integrated Work Study Programme (Career Skills) | Compulsory | 0 | N.A | 1, 2 & 3 | SIT |
| UCS1001 | Critical Thinking & Communicating | Compulsory | 4 | N.A | 2 | SIT |
| UDE1001 | Introduction to Design Innovation | Compulsory | 2 | N.A | 2 | SIT |
| ENG1002 | Engineering Mathematics 2 | Compulsory | 6 | 4 | 2 | SIT |
| NME1106 | Marine Engineering 1B | Compulsory | 6 | 4 | 2 | NU |
| NME1108 | Naval Architecture 1B | Compulsory | 6 | 4 | 2 | NU |
| NME1109 | Marine Mechanics | Compulsory | 6 | 4 | 2 | NU |
| UDE2001 | Interdisciplinary Design Innovation | Compulsory | 4 | N.A | 3 | JointSIT (3 credits)NU (3 credits) |
| NME1102 | Electrical Engineering | Compulsory | 6 | 4 | 3 | SIT |
| NME2102 | Production and Business Management | Compulsory | 6 | 5 | 3 | SIT |

**Year 2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Module Type** | **ECTS Credits** | **FHEQ Level** | **Trimester** | **Module Lead** |
| NME2101 | Analytical Methods | Compulsory | 6 | 5 | 1 | SIT |
| NME2103 | Marine Engineering 2 | Compulsory | 6 | 5 | 1 | SIT |
| NME2105 | Marine Structures 1A | Compulsory | 6 | 5 | 1 | NU |
| NME2107 | Ship Resistance | Compulsory | 6 | 5 | 1 | NU |
| NME2109 | Naval Architecture 2 | Compulsory | 6 | 5 | 1 | NU |
| NME3101A | Integrated Work Study Programme (Career Skills) | Compulsory | 0 | N.A | 1 | SIT |
| USI2001 | Social Innovation Project | Compulsory | 3 | N.A | 2 | SIT |
| NME2104 | Marine Propulsion | Compulsory | 6 | 5 | 2 | NU |
| NME2106 | Marine Structures 1B | Compulsory | 6 | 5 | 2 | NU |
| NME3104 | Marine Transport Business | Compulsory | 6 | 6 | 2 | SIT |
| **Marine Engineering** |
| NME2110 | Marine Electrical Engineering | Elective | 6 | 5 | 2 | NU |
| **Naval Architecture & Offshore Engineering** |
| NME2112 | Marine Dynamics | Elective | 6 | 5 | 2 | NU |
| NME3101B | Integrated Work Study Programme (IWSP, Work Attachment) | Core | 10 | N.A | 3 | SIT |

**Year 3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Module Type** | **ECTS Credits** | **FHEQ Level** | **Trimester** | **Module Lead** |
| NME3101B | Integrated Work Study Programme (IWSP, Work Attachment) | Compulsory | 10 | N.A | 1 | SIT |
| NME3103 | Capstone Project | Compulsory | 4 | 6 | 1 | NU |
| NME3103 | Capstone Project | Compulsory | 6 | 6 | 2 | NU |
| **Marine Engineering** |
| NME3102 | Internal Combustion Engines | Elective | 6 | 6 | 2 | NU |
| NME3105 | Marine Engineering 3 | Elective | 6 | 6 | 2 | SIT |
| NME3106 | Dynamic Modelling and Simulation | Elective | 6 | 6 | 2 | NU |
| NME3111 | Marine Engineering Design | Elective | 3 | 6 | 2 | SIT |
| **Naval Architecture** |
| NME3107 | Marine Structures 2 | Elective | 6 | 6 | 2 | SIT |
| NME3109 | Advanced Ship and Offshore Hydrodynamics | Elective | 6 | 6 | 2 | NU |
| NME3108 | Advanced Resistance and Propulsion | Elective | 6 | 6 | 2 | NU |
| NME3112 | Ship Design | Elective | 3 | 6 | 2 | SIT |
| **Offshore Engineering** |
| NME3107 | Marine Structures 2 | Elective | 6 | 6 | 2 | SIT |
| NME3109 | Advanced Ship and Offshore Hydrodynamics | Elective | 6 | 6 | 2 | NU |
| NME3110 | Offshore Renewables | Elective | 6 | 6 | 2 | NU |
| NME3113 | Offshore Engineering Design | Elective | 3 | 6 | 2 | SIT |

Students will undertake the Overseas Immersion Programme (OIP) in Year 1, Trimester 3.

1. **Assessment methods**

Details of the assessment pattern for each module are explained in the module profile.

1. **Degree classification**

Degree classifications are based upon all 180 credits and the CGPA attained by students at the end of the programme.

Full details of the classifications and how these are calculated can be found in the SIT-NU Joint Academic Guide.