

**FACULTY 3mE**

**START THESIS FORM**

To be filled in before the start of your Thesis

**Please hand in this form at the Master Coordinator after having it signed by the supervisor**

The undersigned,

Name, Initials: I. (Ingmar) Wever

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Requests permission to start the following thesis project.

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| **Thesis Description** | |
| Working Title: | Complexity of Maritime Operations, Situations and Manoeuvres |
| Company: | Damen Shipyards Gorinchem |
| Start Date (Kick-Off): | 4-9-2017 |
| Green Light: | 11-6-2018 |
| Exam Date: | 6-7-2018 |
| Short Description: |  |
| The aim of the project is to get insight in the complexity of manoeuvres of different ship types. Based on this advise can be given to the crew which level of attention is desired. A model will be created including a cost function for the complexity. This complexity together with the time to look ahead gives a probability of failure. Data will be delivered by Damen and several theoretical models of ships will be used. The results of this projects can be used as first steps towards remote and autonomous sailing.   Due to the double degree the green and exam date are at the end of the year, similar to 60 ECTS. | |

I have no more than 6 EC of electives, as shown in the table below, to be obtained at this point (attach proof if grade is not yet available in OSIRIS). This form is not signed by the Coordinator, if this is not the case.

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| --- | --- | --- | --- | --- |
| **Course code** | **Course name** | **EC** | **Obligatory** | **Date of Exam?** |
| Enter course code. | Enter course code. | 0 | No | 1-1-2017 |
| Enter course code. | Enter course code. | 0 | No | 1-1-2017 |
| Enter course code. | Enter course code. | 0 | No | 1-1-2017 |

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| **Role** | **Name** | **Date** | **Place** | **Signature** |
| Supervisor: | Robert Hekkenberg | 10-10-2017 | Delft |  |
| MSc Coordinator: | Jeroen Pruyn | 10-10-2017 | Delft |  |
| Student: | Ingmar Wever | 10-10-2017 | Delft |  |

Last updated 10 October 2017