## Course of Study Naval Architecture and Ocean Engineering (Study Cohort W21)

| Sample course plan C Master Naval Architecture and Ocean Engineering (SBMS) |   |   |  |               |
|---|---|---|--|---------------|
| 1   | Structural Analysis of Ships and Offshore Structures  | Seakeeping of Ships and Laboratory on Naval Architecture (part 2)                             | Research Project Naval Architecture and Ocean Engineering              | Master Thesis |
| 2   | Structural Analysis of Ships and Offshore Structures VL 2   | Laboratory on Naval Architecture PR 2   |  |               |
| 3   | Structural Analysis of Ships and Offshore Structures GÜ 2   | Maritime Technology and Maritime Systems (part 2)   |  |               |
| 4   |   | Analysis of Maritime Systems VL 2   |  |               |
| 5   |   | Analysis of Maritime Systems GÜ 1   |  |               |
|   |   |   |  |               |
| 6   |   | High-Order FEM VL 3   |  |               |
| 7   | Ship Vibration         VL         2   | High-Order FEM HÜ 1   |  |               |
| 8   | Ship Vibration         VL         2           Ship Vibration         GÜ         2   |   |  |               |
| 9   |   |   |  |               |
| 10  |   |   |  |               |
| 11  |   |   |  |               |
| 12  |   | Numerical Algorithms in Structural Mechanics  |  |               |
| 13  | Ship Safety   | Numerical Algorithms in Structural Mechanics VL 2   | Selected topics in Naval Architecture and Ocean Engineering (part 2)   |               |
| 14  | Ship Safety VL 2  | Numerical Algorithms in Structural Mechanics GÜ 2   | Selection from a catalog   |               |
| 15  | Ship Safety HŪ 2  |   |  |               |
| 16  |   |   | Vibration Theory   |               |
| 17  |   |   | Vibration Theory IV 4  |               |
| <u> </u>  |   |   |  |               |
| 18  |   | Selected topics in Naval Architecture and Ocean Engineering (part 1) Selection from a catalog |  |               |
| 19  | Seakeeping of Ships and Laboratory on Naval Architecture (part 1) Seakeeping of Ships VL 2                                  |   |  |               |
| 20  | Seakeeping of Ships GÜ 2  |   |  |               |
| 21  |   |   |  |               |
| 22  |   |   | Manoeuvrability and Shallow Water Ship Hydrodynamics                   |               |
| 23  | Maritime Technology and Maritime Systems (part 1)   |   | Manoeuvrability of Ships VL 2<br>Shallow Water Ship Hydrodynamics VL 2 |               |
| 24  | Introduction to Maritime Technology         VL         2           Introduction to Maritime Technology         GÜ         1 |   |  |               |
| 25  | Indoduction to Manume recimology GO 1   |   |  |               |
| 26  |   |   |  |               |
| 27  |   |   |  |               |
| 28  |   |   | Arctic Technology  |               |
| 29  |   |   | Ship structural design for arctic conditions PBL 2                     |               |
| 30  |   |   | Ice Engineering VL 2   |               |
| 31  |   |   | Ice Engineering GÜ 1   |               |
|   |   |   |  |               |
| 32  |   |   |  |               |
| 33  |   |   |  |               |
|   | Business & Management (from catalogue) - 6LP  |   |  |               |
|   | Non-technical Courses for Master (from catalogue) - 6LP   |   |  |               |

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.