

# BACHELOR'S DEGREE TIMETABLE

## 2023-2024 SPRING

Quadrimesters last 15 weeks. If the subject has an interweekly holiday, the teacher may put work to the students or indicate another time slot to recover the class. Each schedule has a gray  time slot that can be used to recover class hours.

### More information about the subjects:

[Study plan of the subjects of the Bachelor's Degree in Nautical Science and Maritime Transport.](#)

[Study plan of the subjects of the Bachelor's Degree in Marine Technologies.](#)

[Study plan of the subjects of the Bachelor's Degree in Naval Systems and Technology Engineering.](#)

## COURSE Q1 – SPRING

## DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
15 - 17	Fundamentals of mathematics I	Informatics	Physics	Graphic expression	Physics
17 - 19	Informatics (1)	Physics	Graphic expression	Fundamentals of mathematics I	Maritime legislation
19 - 21					

Code	Subject	Credits	Teacher
280600	Fundamentals of mathematics I	6	F. Tiñena
280604	Maritime legislation	3	J. Rodrigo / C. Domingo
280603	Informatics	6	R.M. Fernández / X. Aymerich / M. Jové
280602	Graphic expression	6	J. M. de la Puente
280601	Physics	9	A. Isalgué / S. Massip / D. Ochoa / Ll. Yedra

(1) This class will be held, some weeks, in computer classrooms 1 and/or 2.

## COURSE Q1 – SPRING

## DEGREE IN MARINE TECHNOLOGIES

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
<b>15 – 17</b>	Fundamentals of mathematics I	Informatics (1)	Informatics	Graphic expression	Informatics
<b>17 – 19</b>	Informatics	Physics	Graphic expression	Fundamentals of mathematics I	

Code	Subject	Credits	Teacher
280632	Fundamentals of mathematics I	6	F. Tiñena
280635	Informatics	6	R.M. Fernández / A. Fuentes / G. Yañez / M. Jové
280634	Graphic expression	6	J. M. de la Puente
280633	Physics	9	A. Isalgué / S. Massip / D. Ochoa / Ll. Yedra

(1) This class will be held, some weeks, in computer classrooms 1 and/or 2.

## COURSE Q1 – SPRING

## DEGREE IN NAVAL SYSTEMS AND TECHNOLOGY ENGINEERING

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
15 – 17	Fundamentals of mathematics I	Informatics (1)	Physics	Graphic expression	Physics
17 – 19	Informatics	Physics	Graphic expression	Fundamentals of mathematics I	

Code	Subject	Credits	Teacher
280632	Fundamentals of mathematics I	6	F. Tiñena
280635	Informatics	6	R.M. Fernández / A. Fuentes / G. Yañez / M. Jové
280634	Graphic expression	6	J. M. de la Puente
280633	Physics	9	A. Isalgué / S. Massip / D. Ochoa / Ll. Yedra

(1) This class will be held, some weeks, in computer classrooms 1 and/or 2.

## COURSE Q2 – SPRING

## DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 9	Business management and organisation		Maritime economy, shipping business and on board human resource management		Business management and organisation
9 – 10	Business management and organisation	Fundamentals of mathematics II	Maritime economy, shipping business and on board human resource management	Maritime Technical English	Business management and organisation
10 – 11	Chemistry	Fundamentals of mathematics II	Chemistry	Maritime Technical English	Maritime economy, shipping business and on board human resource management
11 – 12	Chemistry	Maritime Technical English	Chemistry	Fundamentals of mathematics II	Maritime economy, shipping business and on board human resource management
12 – 13		Maritime Technical English	Further training activities (*)	Fundamentals of mathematics II	
13 - 14					

Code	Subject	Credits	Teacher
280605	Fundamentals of mathematics II	6	M. Vela
280607	Chemistry	6	J. L. del Valle / N. Hernández / A. Calvet / O. González / J. Torras
280606	Business management and organisation	6	V. Myrthianos / L. Kingeski / A. León
280608	Maritime Technical English	6	D. Krauth
280609	Maritime economy, shipping business and on board human resource management	6	F. X. Martínez de Osés / A. León

## COURSE Q2 – SPRING

## DEGREE IN MARINE TECHNOLOGIES

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	Fundamentals of mathematics II		Fundamentals of mathematics II		
10 – 12	Business management and organisation	Mechanics and strength of materials	Mechanics and strength of materials	Mechanics and strength of materials	Business management and organisation
12 – 14	Maritime Technical English	Chemistry	Further training activities (*)	Chemistry	Maritime Technical English

Code	Subject	Credits	Teacher
280636	Fundamentals of mathematics II	6	F. Tiñena
280607	Chemistry	6	J. L. del Valle / N. Hernández / A. Calvet / O. González / J. Torras
280606	Business management and organisation	6	V. Myrthianos / L. Kingeski / A. León
280638	Maritime Technical English	6	C. Bordera
280637	Mechanics and strength of materials	9	X. Martínez García / F. Otero

## COURSE Q2 – SPRING

## DEGREE IN NAVAL SYSTEMS AND TECHNOLOGY ENGINEERING

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	Naval Technology and mechanics	Chemistry	Naval Technology and mechanics	Naval Technology and mechanics (2)	Chemistry
10 – 12	Fundamentals of mathematics II	Materials science and technology	Fundamentals of mathematics II	Naval Technology and mechanics (1)-Practices GSDT2	Materials science and technology
12 – 14	Business management and organisation		Naval Technology and mechanics (1)-Pràctiques GSDT1 Further training activities (*)	Naval Technology and mechanics (1)-Practices GSDT3	Business management and organisation

Code	Subject	Credits	Teacher
280636	Fundamentals of mathematics II	6	F. Tiñena
280607	Chemistry	6	J. L. del Valle / N. Hernández / A. Calvet / O. González / J. Torras
280606	Business management and organisation	6	V. Myrthianos / L. Kingeski / A. León
280643	Materials science and technology	6	M.M. Pérez / J. Puiggali / G. Revilla / L. J. Del Valle
280663	Naval Technology and mechanics	9	J. Torralbo / M. Rodríguez

(1) *280663 Naval Technology and mechanics*: Laboratory practices of 2 hours of duration. Groups to be chosen during registration, (for organizational reasons students who have chosen a group may relocate according to the results of the registration and organizational reasons of the internship).

(1) **GSDT1**: Wednesday 12h a 14h **GSDT2**: Thursday 10h a 12h **GSDT3**: Thursday de 12 a 14h

(2) *280663 Naval Technology and mechanics*: If necessary, practice groups of 2 hours can be scheduled, lasting from 12h to 14h (to be determined by the teachers).

## COURSE Q4 – SPRING

## DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 9	Stowage				Stowage
9 – 10	Stowage	Stowage	Electronic AIDS to navigation (1)		Stowage
10 – 11	Automatic regulation and control	Stowage	Electronic AIDS to navigation (1)	Ship theory	Ship theory
11 – 12	Automatic regulation and control	Stowage	Electronic AIDS to navigation (1)	Ship theory	Ship theory
12 – 13		Stowage	Further training activities (*)	Automatic regulation and control	
13 – 14				Automatic regulation and control	

Code	Subject	Credits	Teacher
280615	Ship theory	6	M. Castells
280616	Automatic regulation and control	4,5	R. Fernández / G. Yañez
280617	Electronic AIDS to navigation	7,5	J. A. Ribet / J. Agut
280618	Stowage	12	X. Martínez de Osés / C. Campos

(1) In subject 280617, *Electronic AIDS to navigation*, there will be two hours of practice per week in the Simulator. The groups to be chosen are:

**GNTM1:** Wednesday from 15h to 17h **GNTM2:** Wednesday 17h a 19h **GNTM3:** Thursday 15h a 17h **GNTM4:** Thursday 17h a 19h

(Depending on the results of the registration, changes might happen).



## COURSE Q4 – SPRING

## DEGREE IN MARINE TECHNOLOGIES

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	Naval electronics (1) (Class from 9h to 12h)	Fluid mechanics		Naval construction	
10 – 12	Naval electronics (1) (Class from 9h to 12h)	Materials science and technology		Naval construction	Materials science and technology
12 – 14		Ship theory	Further training activities (*)	Ship theory	Fluid mechanics

Code	Subject	Credits	Teacher
280643	Materials science and technology	6	M.M. Pérez / J. Puiggali / G. Revilla / L. J. Del Valle
280644	Ship theory	6	A. Morral
280645	Fluid mechanics	6	A. Mual / P. Trubat / M. Dolz / I. Berdugo
280646	Naval construction	6	J. de Balle
280647	Naval electronics	6	J.M. Torrents / R. Macario / M. Mohammadpoor / J. D. Castillo

(1) (Prerequisite: passed 280641) Each student will perform a practice of Naval Electronics in the laboratory every 15 days. Attendance to the practicals is compulsory and they have to be approved separately from the theory. Each group can have a maximum of 10 students. The groups to be chosen during the registration will be the following:

**GSDT1/GSDT2:** Tuesday from 8h to 10h **GSDT3/GSDT4:** Tuesday from 11h to 13h (**english language**) **GSDT5/GSDT6:** Tuesday from 15h to 17h (provisional)

**GSDT7/GSDT8:** Thursday from 16h to 18h

**GSDT9/GSDT0:** Thursday de 18h a 20h

(because of organizational reasons, some of the practice groups could be reorganized).

## COURSE Q4 – SPRING

## DEGREE IN NAVAL SYSTEMS AND TECHNOLOGY ENGINEERING

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	Naval electronics (1) (Class from 9h to 12h)		Ship theory	Naval construction	Ship power plant (2)
10 – 12	Naval electronics (1) (Class from 9h to 12h)	Fluid mechanics	Equips navals	Naval construction	Fluid mechanics
12 – 14			Further training activities (*)	Ship theory	

Code	Subject	Credits	Teacher
280646	Naval construction	6	A. León / A. Llull
280644	Ship theory	6	A. Llull
280665	Ship power plant (*)	4,5	V. Rodríguez / Pendent concretar
280666	Naval equipment	3	M. Rodríguez
280645	Fluid mechanics	6	A. Mugal / P. Trubat / M. Dolz / I. Berdugo
280647	Naval electronics	6	J.M. Torrents / R. Macario / M. Mohammadpoor / J. D. Castillo

(1) (Prerequisite: passed 280641) Each student will perform a practice of Naval Electronics in the laboratory every 15 days. Attendance to the practicals is compulsory and they have to be approved separately from the theory. Each group can have a maximum of 10 students. The groups to be chosen during the registration will be the following:

**GSDT1/GSDT2:** Tuesday from 8h to 10h **GSDT3/GSDT4:** Tuesday from 11h to 13h (english Language) **GSDT5/GSDT6:** Tuesday from 15h to 17h (provisional)

**GSDT7/GSDT8:** Thursday from 16h to 18h

**GSDT9/GSDT0:** Thursday from 18h to 20h

(because of organizational reasons, some of the practice groups could be reorganized).

(1) 2 hours of laboratory practice must be carried out every 15 days at the following times. Groups to be chosen during the registration of 10 places each:

**GSDT1/GSDT2:** Monday from 12h to 14h **GSDT3/GSDT4:** Tuesday from 13h to 15h **GSDT5/GSDT6:** Friday from 12h to 14h **GSDT7:** Monday from 14h to 16h

## COURSE Q4 – SPRING

## DOUBLE QUALIFICATION DEGREES IN MARINE - SYSTEMS

(For those coming from MARINA GTDT Registration Group)

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	Naval Technology and mechanics (Q2 Sistemes) (3) <b>(Class from 8h to 10h)</b>	Fluid mechanics (Q4 Marina)	Naval Technology and mechanics (Q2 Sistemes) (3)	Naval construction	Ship power plant (2)
	Naval electronics (1) <b>(Class from 9h to 12h)</b>				
10 – 12	Naval electronics (1) <b>(Class from 9h to 12h)</b>	Materials science and technology (Q4 Marina)	Naval equipment	Naval construction	Materials science and technology (Q4 Marina)
12 – 14		Ship theory (Q4 Marina)	Further training activities (*)	Ship theory (Q4 Marina)	Fluid mechanics (Q4 Marina)

## DOUBLE QUALIFICATION DEGREES IN MARINE - SYSTEMS

(For those coming from MARINA GSDT Registration Group)

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	Naval electronics (1) <b>(Class from 9h to 12h)</b>		Ship theory (Q4 Sistemes)	Naval construction	Ship power plant (2)
10 – 12	Naval electronics (1) <b>(Class from 9h to 12h)</b>	Fluid mechanics (Q4 Sistemes)	Naval equipment	Naval construction	Fluid mechanics
12 – 14	Maritime technical english		Further training activities (*)	Ship theory (Q4 Sistemes)	Maritime technical english

(1) (Pre-requisite: exceeded 280641) in subject 280647, each student will conduct a practice of Naval Electronics in the laboratory every 15 days. Practice attendance is mandatory and must be approved separately from the theory. Each group can have at most 10 students. The groups to choose during enrolment will be the following:

**GSDT1/GSDT2:** Tuesday from 8h to 10h    **GSDT3/GSDT4:** Tuesday from 11h to 13h (**english Language**)    **GSDT5/GSDT6:** Tuesday from 15h to 17h (provisional)  
**GSDT7/GSDT8:** Thursday from 16h to 18h    **GSDT9/GSDT10:** Thursday from 18h to 20h

(because of organizational reasons, some of the practice groups could be reorganized).

(2) In the subject 280665, 2 hours of laboratory practice must be carried out every 15 days at the following times. Groups to be chosen during the registration of 10 places each:

**GSDT1/GSDT2:** monday from 12h to 14h    **GSDT3/GSDT4:** tuesday from 13h to 15h    **GSDT5/GSDT6:** friday from 12h to 14h    **GSDT7:** monday from 14h to 16h

(3) 280663 *Naval Technology and Mechanics*: Laboratory practices of 2 hours of duration. Groups to be chosen during registration, (for organizational reasons students who have chosen a group may relocate according to the results of the registration and organizational reasons of the internship).

**GSDT1:** Wednesday from 12h to 14h    **GSDT2:** Thursday from 10h to 12h    **GSDT3:** Thursday from 12 to 14h

In addition, on Thursdays from 8h to 10h you can schedule 2h practice groups (to be determined by the teachers)

Code	Subject	Credits	Teacher
280646	Naval construction	6	A. León / A. Llull
280644	Ship theory	6	A. Llull
280665	Ship power plant	4,5	V. Rodriguez / Pendent concretar
280666	Naval equipment	3	M. Rodríguez
280645	Fluid mechanics	6	A. Mual / P. Trubat / M. Dolz / I. Berdugo
280647	Naval electronics	6	J.M. Torrents / R. Macario / M. Mohammadpoor / J. D. Castillo
280638	Maritime technical english	6	C. Bordera

(\*) To enroll in this subject it is necessary to have passed the unit 280641 Electricity and electrotechnics.

**Explanatory note:** Students who have passed the initial phase of the degree in Marine Technologies will have to study subjects 280663 Naval and Mechanical Technology and 280643 Materials Science and Technology corresponding to the degree in Systems Engineering and Naval Technology. Subjects already passed in the initial phase will recognize subjects 280638 English Maritime Technician and 280664 Mechanics applied to Naval Engineering.

## COURSE Q6 – SPRING

## DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
11 - 15					Radio communications (2) (d'11h a 14h)
15 - 16	Celestial navigation	Routes & compasses	Health and safety at work	Celestial navigation	
16 - 17	Celestial navigation (3)	Routes & compasses	Health and safety at work	Celestial navigation	Radio communications (2)
17 - 18	Manoeuvring and regulations (1)	Routes & compasses	Health and safety at work	Manoeuvring and regulations (1)	Radio communications (2)
18 - 19	Manoeuvring and regulations (1) (Fins a les 19:30h)			Manoeuvring and regulations (1) (Fins a les 19:30h)	Radio communications (2)

Code	Subject	Credits	Teacher
280623	Celestial navigation	6	A. Martin
280624	Radio communications	6	J. del Fante
280625	Manoeuvring and regulations	9	J. Moncunill / I. El Bali
280626	Routes & compasses	4,5	J. Moncunill / A. Uyà
280627	Health and safety at work	4,5	S. Ordás

(1) In subject 280625, Maneuver and regulations, each student will perform 6 maneuvering practices to the Simulator. Each practice will last 2 hours and will be carried out before the end of the Maneuver agenda. Groups to choose during enrollment, (for organizational reasons, one of the groups could be regrouped second results of enrollment)

**GNTM1:** Monday from 08:30h to 11h **GNTM2:** Monday from 11:30h to 14h **GNTM3:** Tuesday from 08:30h to 11h

**GNTM5:** Wednesday from 08:30h to 11h **GNTM6:** Wednesday from 11:30h to 14h **GNTM7:** Thursday from 08:30h to 11h **GNTM8:** Thursday from 11:30h to 14h

(2) In the subject 280624, Radiocommunications, 4 groups of practices of 1.5h per week will be defined. Groups to choose from during registration:

**GNTM1:** Friday from 11h to 12:30h **GNTM2:** Friday from 12:30h to 14h **GNTM3:** Friday from 16h to 17:30h **GNTM4:** Friday from 17:30h to 19h

(3) To enroll in the subject *Celestial navigation* it is necessary to have passed the subject 28610 *Coastal Navigation*.

## COURSE Q6 – SPRING

## DEGREE IN MARINE TECHNOLOGIES

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
15 – 17	Internal combustion engines	Marine turbomachines and steam generators	Internal combustion engines	Internal combustion engines	
17 – 19	Marine turbomachines and steam generators	Operation and maintenance of marine engines and systems		Marine turbomachines and steam generators	

Code	Subject	Credits	Teacher
280654	Marine turbomachines and steam generators	9	G. de Melo/ A. Picazo
280655	Internal combustion engines	9	M. Rodríguez
280656	Operation and maintenance of marine engines and systems	6	R. Grau / C. Borén

- (1) The practices of the subject 280656, *Operation and maintenance of marine engines and systems*, will be carried out in the machine simulator room of the NT3 building. Groups to choose from during registration:

**GTDT1:** Thursday from 10h to 12h **GTDT2:** Thursday from 12h to 14h **GTDT3:** Friday from 10h to 12h

**GTDT4:** Friday from 12h to 14h (only available because of organizational reasons)

## COURSE Q6 – SPRING

## DEGREE IN NAVAL SYSTEMS AND TECHNOLOGY ENGINEERING

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
15 – 16			Regulation and automatic control	Regulation and automatic control	Materials in the naval industry
16 – 17	Naval system design	Quality management, safety, environment and sustainability	Regulation and automatic control	Regulation and automatic control	Materials in the naval industry
17 – 18	Naval system design	Quality management, safety, environment and sustainability	Numerical calculus of naval structures (*)	Naval system design	Materials in the naval industry
18 – 19	Naval system design	Quality management, safety, environment and sustainability	Numerical calculus of naval structures (*)	Naval system design	
19 – 20	Materials in the naval industry		Numerical calculus of naval structures (*)	Naval system design	
20 – 21	Materials in the naval industry				

Code	Subject	Credits	Teacher
280671	Materials in the naval industry	7,5	S. Velasquez
280672	Numerical calculus of naval structures (*)	4,5	F. Otero / F. Turón
280673	Quality management, safety, environment and sustainability	4,5	S. Ordás
280674	Naval system design	9	E. Pascual / J.C. Murcia / R. Pacheco
280675	Regulation and automatic control	4,5	S. Romero

(\*) To enrol in this subject it is necessary to have passed unit 280669 Structures for Naval Engineering. This subject is taught in another group on Tuesdays from 10h to 13h. The maximum number of students per group is 35. The subject is taught, by all two groups, in the computer science classroom 2.

**GSTN1 – DT1:** Wednesday from 17h to 20h

**GSTN2 – DT2:** Tuesday from 10h to 13h

## COURSE Q6 – SPRING

## DOUBLE QUALIFICATION DEGREES IN MARINE - SYSTEMS

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
15 – 16	Internal combustion engines	Marine turbomachines and steam generators	Internal combustion engines	Internal combustion engines	Materials in the naval industry
16 – 17	Internal combustion engines	Marine turbomachines and steam generators	Internal combustion engines	Internal combustion engines	Materials in the naval industry
17 – 18	Marine turbomachines and steam generators	Operation and maintenance of marine engines and systems (1)	Numerical calculus of naval structures (2)	Marine turbomachines and steam generators	Materials in the naval industry
18 – 19	Marine turbomachines and steam generators	Operation and maintenance of marine engines and systems (1)	Numerical calculus of naval structures (2)	Marine turbomachines and steam generators	
19 – 20	Materials in the naval industry		Numerical calculus of naval structures (2)		
20 – 21	Materials in the naval industry				

Code	Subject	Credits	Teacher
280654	Marine turbomachines and steam generators	9	G. de Melo/ A. Picazo
280655	Internal combustion engines	9	M. Rodríguez
280656	Operation and maintenance of marine engines and systems	6	R. Grau / C. Borén
280671	Materials in the naval industry	7,5	S. Velasquez
280672	Numerical calculus of naval structures (2)	4,5	F. Otero / F. Turón

(1) The practices of the subject 280656, *Operation and maintenance of marine engines and systems*, will be held in the machine simulator room of the NT3 building.

Practical groups will have the following timetables:

**GTDT1:** Thursday from 10 to 12 h      **GTDT2:** Thursday from 12 to 14h      **GTDT3:** Friday from 10 to 12 h

**GTDT4:** Friday from 12 a 14h (only available because of organizational reasons)

(2) This subject is taught in computer room 2. This subject is taught in **another group on Tuesdays from 10h to 13h**. The maximum number of students per group is 35.  
The subject is taught, for both groups, in computer room 2.

**GSTN1 – DT1:** Wednesday from 17h to 20h

**GSTN2 – DT2:** Tuesday from 10h to 13h



## COURSE Q8 – SPRING

DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT  
MENCIÓ 2: NEGOCI MARÍTIM I LOGÍSTICA PORTUÀRIA

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10	International maritime business	Port management and planning of transport	International maritime business	Maritime legislation, regulations and economy	Agents and documentation of supply chains
10 – 12	Port management and planning of transport	Maritime legislation, regulations and economy	Short sea shipping	Short sea shipping	Agents and documentation of supply chains
12-14			Further training activities (*)		

Code	Subject	Credits	Teacher
280678	International maritime business	6	J. M. Vallellano
280679	Agents and documentation of supply chains	6	S. Mármol
280680	Maritime legislation, regulations and economy	6	J. Rodrigo
280681	Port management and planning of transport	6	M. Grifoll
280682	Short sea shipping	6	R. Badillo / A. Martínez

## COURSE Q8 – SPRING

## DEGREE IN NAUTICAL AND MARITIME TRANSPORT: EXTERNAL PRACTICES

Synchronous telematics class on Wednesdays from 16h to 18h

**CURS Q8 – PRIMAVERA GRAU EN TECNOLOGIES MARINES/ DOBLE TITULACIÓ GRAUS EN MARINA-SISTEMES**  
**MENTIÓ 2: ELECTROTÈCNIA MARINA**

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
<b>8 – 9</b>					
<b>9 – 11</b>	Maintenance and repair of equipment and electric systems on board	Operation and maintenance of high voltage systems	Automatic control systems and computer networks on board	Maintenance and repair of radionavigation equipment and radio comunicat. systems	Maintenance and repair of equipment and electronic systems
<b>11 – 13</b>	Maintenance and repair of equipment and electric systems on board	Operation and maintenance of high voltage systems	Automatic control systems and computer networks on board	Maintenance and repair of radionavigation equipment and radio comunicat. systems	Maintenance and repair of equipment and electronic systems
			Further training activities (*) (12h a 14h)		

Code	Subject	Credits	Teacher
280683	Operation and maintenance of high voltage systems (1)	6	R. Bosch / Pendent concretar
280684	Automatic control systems and computer networks on board	6	X. Aymerich / R.M. Fernández / G. Yañez
280685	Maintenance and repair of equipment and electric systems on board (1)	6	V. Fuses
280686	Maintenance and repair of equipment and electronic systems	6	J.M. Torrents
280687	Maintenance and repair of radionavigation equipment and radio communication systems	6	E. Bernal

**(1)** To enrol in this subject it is necessary to have passed units 280660 Electric Propulsion and Power Electronics or 280665 Ship Power Plant. Some weeks will be held in the high voltage laboratory of the ETSEIB. In this case the practices will start at 10h.

**COURSE Q8 – SPRING DEGREE IN NAUTICAL AND MARITIME TRANSPORT:**  
**EXTERNAL PRACTICES Synchronous telematics class on Wednesdays from 16h to 18h**

## COURSE Q8 – SPRING

## DOUBLE QUALIFICATION DEGREES IN MARINE - SYSTEMS

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday
15 – 16					
16 – 17	Naval System design				
17 – 18	Naval System design			Naval System design	
18 – 19	Naval System design			Naval System design	
19 – 20				Naval System design	

Code	Subject	Credits	Teacher
280674	Naval System design	9	E. Pascual / J.C. Murcia / R. Pacheco

Students who decide to take the major 2 in "Marine Electrotechnics" will also have to take the subjects of this major, as defined in the Q8 timetable of the Degree in Marine Technologies.