

B.Sc. Nautical Science and Maritime Transport

Information about elective subject profiles



GANZ NAH DRAN.

Summer Semester 2024

June 5th, 2024

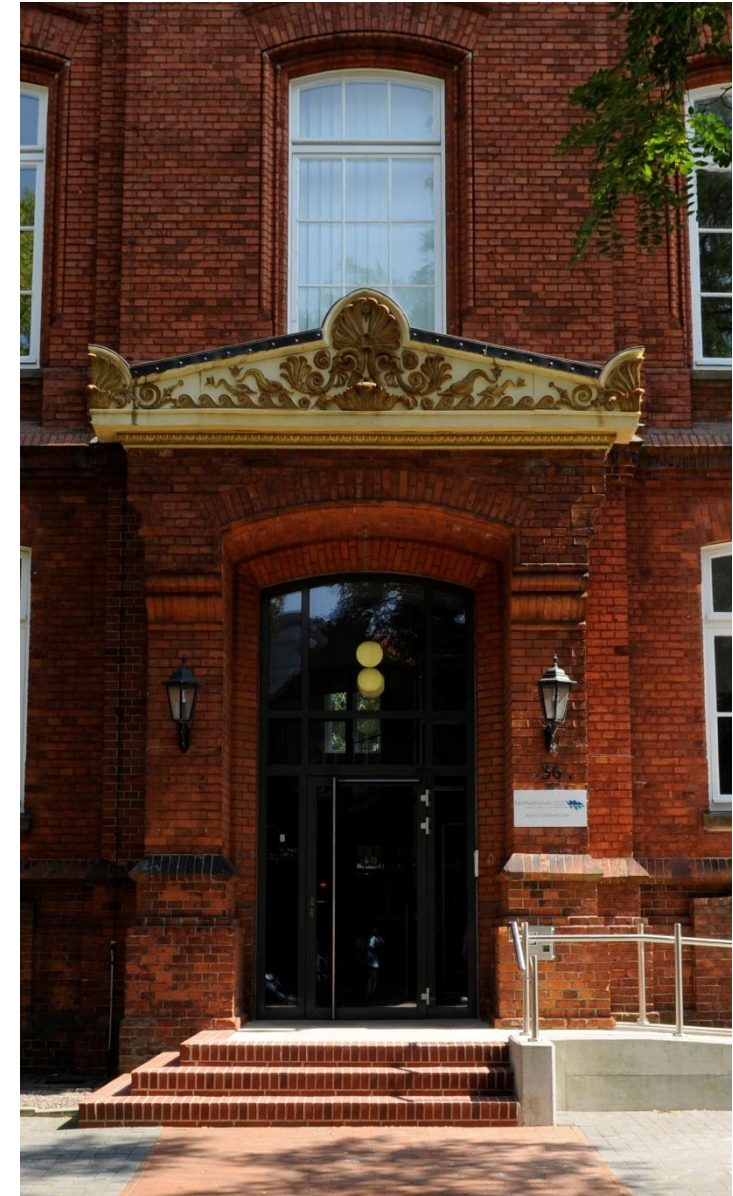
B.Sc. Nautical Science and Maritime Transport



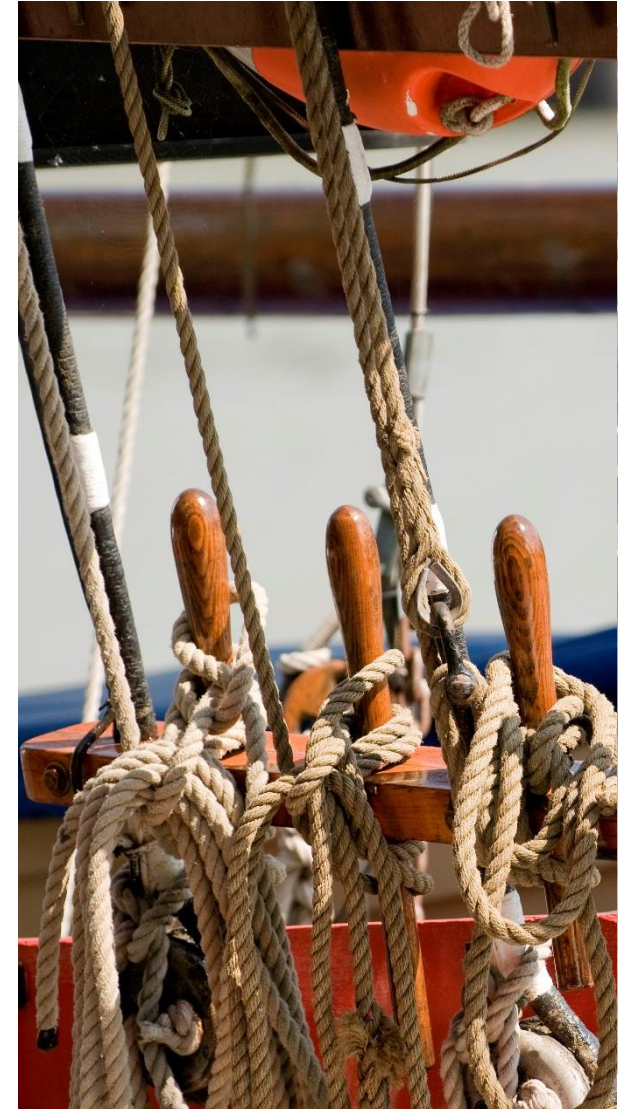
Prof. Dr. Heilmann
Dean of Studies

Komm näher » www.hs-emen-leer.de

- ⇒ In the B.Sc. degree program “Nautical Science and Maritime Transport”, you can generally choose between three different elective subject profiles:
1. Ship Handling
 2. Green Shipping / Ship and Environmental Engineering
 3. Maritime Safety and Quality Management
- ⇒ One of these must be chosen and three profile-forming elective subjects from this profile must be taken.
- ⇒ Which subjects or modules belong to which elective subject profile can be found in the module handbook.
- ⇒ According to the course plan, the elective subjects are located in the 5th, 6th and 8th semesters.
- ⇒ Modules marked as “Wahlfach” (voluntary optional subjects) are not “elective subjects” (Wahlpflichtfach = compulsory elective subject).



- ⇒ Unfortunately, the elective subject profile "Maritime Security and Quality Management" must be temporarily suspended due to capacity reasons.
- ⇒ Basically, three modules from the respective "core area" of the elective subject profiles must be taken.
- ⇒ Due to the recent capacity bottlenecks, the so-called "2 + 1 rule" was introduced as an opening clause. What this specifically means is that **minimum two subjects from the core area** must be chosen, but if necessary, a **maximum of one subject outside** of this area ("expansion subject") can be chosen. This regulation will continue until further notice.
- ⇒ The core and extension subjects of the elective subject profiles are shown below.
- ⇒ The subjects in this overview are shown in the ecampus system from WiSe 24/25 and enable you to register for exams without further consultation.
- ⇒ In addition, upon application to the examination board, other subjects can also be taken or recognized, provided that they represent a useful addition/deepening of the elective subject profile.



Content of the elective subject profile:

Ship Handling	
Energieeffiziente Schiffsführung	Core Area minimum 2 Subjects must be taken => "min. 2"
Offshore Navigation	
Dynamic Positioning	
Tanker Advanced	
Kreuzschifffahrt / Cruise Shipping	
Auslegung und Betrieb von Schiffsmaschinenanlagen	Extension Area maximum 1 subject may be taken => "max. +1"
Schiffsentwurf	
Qualitätsmanagementsysteme	
Risikomanagement	
Safety and Security	
Auditing	
Container Schifffahrt (Planspiel)	

Forecast of planned supply*:

WiSe 24/25		SuSe 2025		WiSe 25/26		SuSe 2026	
german	english	german	english	german	english	german	english
		x				x	
			x				x
	x				x		
			x				x
	x				x		
x				x			
		x				x	
						x	
						x	
	x				x		
			x				
						x	

*subject to the actual available capacities

Content of the elective subject profile:

Green Shipping / Ship and Environmental Engineering	
Technisches Umweltmanagement	Core Area minimum 2 Subjects must be taken => "min. 2"
Auslegung und Betrieb von Schiffsmaschinenanlagen	
Schiffsentwurf	
Wasserbau und Umwelttechnik	
Grundlagen der E- und Messtechnik	
Energieeffiziente Schiffsführung	
Qualitätsmanagementsysteme	Extension Area maximum 1 subject may be taken => "max. +1"
Risikomanagement	
VR/AR	
Auditing	
Schiffsfinanzierung & Investition	
Container Schifffahrt (Planspiel)	

Forecast of planned supply*:

WiSe 24/25		SuSe 2025		WiSe 25/26		SuSe 2026	
german	english	german	english	german	english	german	english
		x					
x				x			
		x				x	
		x				x	
		x				x	
						x	
						x	
		x				x	
			x				
x				x			
						x	

*subject to the actual available capacities

Elective subject profiles – Base data

Further important information about the individual elective subjects

Wahlpflichtfächer/ Profile electives									
Name of Module	Elective Profile	Elective Profile	Lecturer	SuSe / WiSe?	ECTS	LVS	Language	Source	Remark
Auditing	Ship Handling	Green Shipping	Knoop, D.	SuSe	5	4	english	N+SV & MTSM T WPF	Probably only until SuSe 26, Details to be verified
Auslegung und Betrieb von Schiffsmaschinenanlagen	Ship Handling	Green Shipping	Meyer, F.	WiSe	5	4	german	N+SV & MTSM T WPF	with C. Stampa; always in WiSe; blocked End of January/ Begin of February (in lecture free period/semester break)
Container Schifffahrt (Planspiel)	Ship Handling	Green Shipping	Heilmann, K.	SuSe	5	4	german	Wi.-Ing. Pflicht	Next time offered SuSe 26
Dynamic Positioning	Ship Handling		Plawenn-Salvini, C.	WiSe	5	4	english	Nautik-WPF	
Energieeffiziente Schiffsführung	Ship Handling	Green Shipping	Vahs, M.	SuSe	5	4	german	Nautik-WPF	Jointly with Emden
Grundlagen der E- und Messtechnik		Green Shipping	Meyer, F.	SuSe	5	4	german	Wi.-Ing. Pflicht	4. Sem. WMW
Kreuzschifffahrt / Cruise Shipping	Ship Handling		Woltron, B.	WiSe	5	4	english	Nautik-WPF	there are admission requirements!; Details in Module handbook
Offshore Navigation	Ship Handling		Plawenn-Salvini, C.	SuSe	5	4	english	Nautik-WPF	
Qualitätsmanagementsysteme	Ship Handling	Green Shipping	Knoop, D.	SuSe	5	4	german	Wi.-Ing. Pflicht	WMW 6. Sem. starting SuSe 26
Risikomanagement	Ship Handling	Green Shipping	Knoop, D.	SuSe	5	4	german	Wi.-Ing. Pflicht	WMW 6. Sem. starting SuSe 26
Safety and Security	Ship Handling		Knoop, D.	WiSe	5	4	english	Nautik-WPF	there are admission requirements!; Details in Module handbook; (maybe no offer after WiSe 25/26)
Schiffsentwurf	Ship Handling	Green Shipping	Bentin, M.	SuSe	5	4	german	Wi.-Ing. WPF	WPF WMW from SuSe 26, until MTSM 4T
Schiffsfinanzierung & Investition		Green Shipping	Heilmann, K.	WiSe	5	4	german	Wi.-Ing. Pflicht	3. Sem. WMW
Tanker Advanced	Ship Handling		Kreutzer, R.	SuSe	5	4	english	Nautik-WPF	Admission Requirement: Tanker Basis in WiSe! Tanker Basis is a "Wahlfach" not an elective subject; (with B. Woltron)
Technisches Umweltmanagement		Green Shipping	Strybny, J.	SuSe	5	4	german	Wi.-Ing. WPF	WMW WPF from WiSe 26/27; until "Environmental and Energy Management" from MTSM 6
VR/AR		Green Shipping	Ostrowitski, L.	SuSe	5	4	german	Wi.-Ing. WPF	
Wasserbau und Umwelttechnik		Green Shipping	Strybny, J.	SuSe	5	4	german	Wi.-Ing. Pflicht	WMW 4

Questions?

Please ask:

Prof. Dr. Klaus Heilmann
Dean of Studies

Email: klaus.heilmann@hs-emden-leer.de

