BLUE TEmPLATE
BLUE TEch PArTnership Education
Cod. 2017-1-IT02-KA201-036870
Co-funded by the Erasmus+ Programme of the European Union

Project: BLUE TEmPLATE
BLUE TEch PArTnership Education

Training Program

Profile: MARINE LOGISTICS – LOG.MA.

Progetto BLUE TEmPLATE
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COURSE: MARINE LOGISTICS

PORT LOGISTCS MODULE		
Lesson contents	• International maritime and air transport geography and economy; • European and worldwide main hub infrastructural characteristics; • Physical and structural characteristics of handling means in international transport; • Port physics organisation; • Port organisation by task; • Management of areas for handling and, particularly, of the warehouse; • Cost-effectiveness indexes and criteria of the logistic areas; • European directive and international agreements ruling trade and transport; • Safety and security fundamentals; • Handling means maintenance deadlines and methods.	
Abilities	Several logistics activities organisation and planning, elaboration of improvement actions in logistics activities management, identification and elaboration of a project related to a logistics process, use of technologies supporting the logistics operations.	
Knowledge	High profile technical and operating knowledge able to meet the real requirements of the field supplying theoretical knowledge and highly vocational and operative specialist abilities.	
Skills	Technical, IT, technological skills besides to the distribution system and knowledge of means as well as of the market relevant to the reference field, concerned standards and regulations.	
Lessons time	20 HOURS	
Training methods	X *class* lesson □ debriefing X practice/exercises □ training □ problem solving	X laboratory □ project work □ simulation – virtual Lab □ brain – storming □ Others (*specify*)……..
Means, tools and supporting material	X laboratory equipment X PC ○ ……. X lessons notes □ virtual - lab	□ book □ multimedia □ tools for electronic calculation □ measuring tools □ Others (*specify*)……..
Tests	□ structured test □ semi-structured test □ laboratory test X report	□ observation tabs □ problem solving □ graphic works □ Others (*specify*)……..

TELECOMS MODULE		
Lessons contents	The signal propagation	
Abilities	Represent the signals in evaluation domains, single out the communication systems basing on the characteristics of radio wave propagation, recognize the cause of degradation in comms, recognize the digital techniques and apply the suitable theorems.	
Knowledge	Physical transmitters and interconnection methodologies of communication systems, electromagnetic wave propagation, analogic and digital modulation techniques, communication systems devices and techniques.	
Skills	Describe and compare device and telecoms systems operation, evaluate the modulation techniques and the working frequencies as a function of the operating environment, chose the measure devices basing on the functional characteristics.	
Lessons time	15 hours	
Training methods	* class lesson □ debriefing * practice/exercises □ training dialogue * problem solving	* laboratory □ project work □ simulation – virtual Lab * brain – storming □ Others (*specify*)…….
Means, tools and supporting material	* laboratory equipment ○ modulation simulator ○ measure tools ○ telecoms components * lessons notes □ virtual - lab	□ book □ multimedia devices □ tools for electronic calculation □ measure tools □ Others (*specify*)……..
Tests	* structured test □ semi-structured test □ laboratory test * report	□ observation tables * problem solving □ graphic works □ Others (*specify*)……..

SHIP MANAGEMENTMODULE	
Lessons contents	Fundamentals of: ● Administration management ● Navigation management, ● Management of the ship in port ● Safety management ● Environmental management
Abilities	Organisation and planning of ship management activities, both in navigation and in port, Identification of the trends which could compromise the ship safety and the environment protection. Knowledge of the main IMO standards concerning the ship management and the environmental protection: Marpol, Colreg, STCW, Solas.
Knowledge	Navigation related technical knowledge: Planning and running a crossing, position determining, Knowledge of Technical English and IMO- Standards Marine Communication Phrases (SMCP), Standards concerning stability, safety of navigation, load handling and stowage.

Skills	Technical skills concerning the navigation course, international agreements, Maths, Physics, Nautical English, Ship Theory, Navigation Safety, Documentation on board, electronics, Transmissions, electronic devices supporting navigation.	
Lessons time	15 hours	
Training methods	X *class* lesson □ debriefing X practice/exercises □ training dialogue X problem solving	X laboratory □ project work X simulation – virtual Lab □ brain – storming □ Others (*specify*)……..
Means, tools and supporting material	X laboratory equipment ○ PC ○ ……. X lessons notes □ virtual - lab	□ book X multimedia □ tools for electronic calculation □ measuring tools □ Others (*specify*)……..
Tests	□ structured test □ semi-structured test X laboratory test X report	□ observation tabs □ problem solving □ graphic works □ Others (*specify*)……..