General Information	
Academic subject	Sustainable Management of Port Infrastructure
Degree course	
Curriculum	
ECTS credits	8
Compulsory attendance	Not required
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Roberta Pellegrino	roberta.pellegrino@poliba.it	ING-IND/35

ECTS credits details	Area		CFU/ETCS
Basic teaching activities			

Class schedule	
Period	First semester
Year	1
Type of class	Frontal lessons Exercise

Time management	
Hours	168
In-class study hours	64
Out-of-class study hours	102

Academic calendar	
Class begins	Start of first semester: September 14, 2020
Class ends	End of first semester: December 18, 2020

Syllabus	
Prerequisites/requirements	
Expected learning outcomes	*Knowledge and understanding on:* The course of *Sustainable management of port infrastructures* aims to introduce students to the themes of sustainable infrastructure management, with particular reference to major projects in the sectors of the Blue economy. To this end, it addresses both theoretical issues and topics related to practical applications. *Applying knowledge and understanding* on: The student will make the notions his own, learning a method of analysis and knowledge of sustainable infrastructure management processes, with particular reference to large projects in the sectors of the Blue economy. *Making informed judgments and choices:* The course aims to train students specialized in understanding and solving management engineering problems in the management of port infrastructures. The student will be able to acquire an integrated and comprehensive view of port infrastructures, suitable for the development of analytical and managerial skills, useful in business practice. *Communicating knowledge and understanding* At the end of the course, the student will have acquired the managerial vocabulary necessary to operate in managerial and entrepreneurial roles in maritime-port companies, and in particular in the management of port infrastructures, holding functions of command, planning, administrative coordination, organization and management.

	Capacities to continue learning The learning path requires the student to acquire the basic knowledge essential for the sustainable management of infrastructures, with particular reference to large projects in the sectors of the Blue economy.

Contents	Module 1. Introduction: port and port business Definition of port and port infrastructure Role of ports and port infrastructure in the supply chain Module 2. Ports and port infrastructure management Port management and operations Property, structure and port organization Port Workforce: productivity and growth Module 3. Port infrastructure and port planning Characteristics of investments in port infrastructure Planning and schedule of projects Investments evaluation Public and private investments: Public private partnership Public subsidy
Course program	
Bibliography	Burns, M. G. (2014). *Port management and operations*. CRC press. de Langen, P., Turró Calvet, M., Fontanet, M., & Caballé, J. (2018). The infrastructure investment needs and financing challenge of European ports. Appunti del corso Letture e materiale integrativo.
Notes	None
Teaching methods	Classroom lectures and exercises supported by slides.
Assessment methods	The course includes a written test at the end of it, consisting of theoretical questions and exercises.
Evaluation criteria	1) The verification that the student has actually acquired the knowledge and skills required is carried out through a written test, consisting of exercises and theoretical questions with open answers. 2) The mark, expressed in 30ths, is obtained from the algebraic sum of the score totaled for each exercise.
Further information	Theses are assigned by contacting the teacher directly and agreeing on the subject of the thesis.