

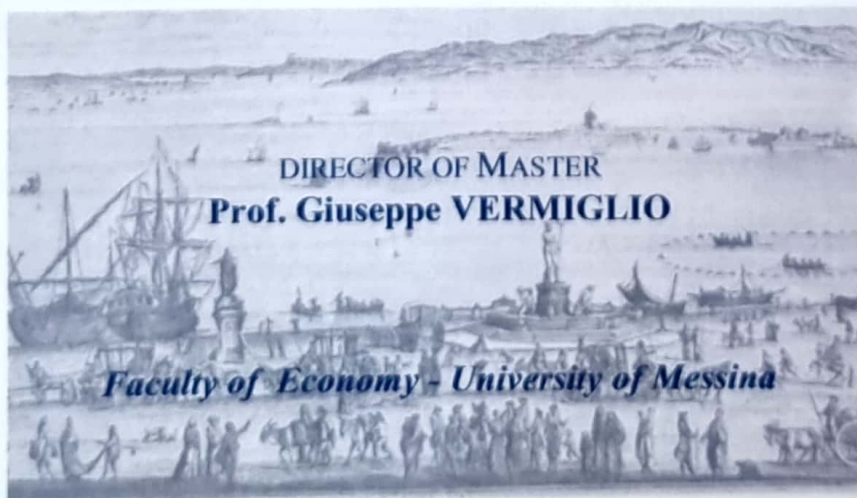


CENTRO UNIVERSITARIO di STUDI sui
TRASPORTI EUROMEDITERRANEI
"Elio Fanara"
Università degli Studi di Messina

PROGRAM

2° Level Master in

*"Sustainable development of transport
in the Mediterranean Sea"*



PRESENTATION

The Master is composed by 1500 hours of lessons, exercises and training:

- **300 hours of didactic activity in classroom:**
250 hours of theory lessons and practice exercises;
20 hours of computer science laboratory;
20 hours of language laboratory;
10 hours of marine ecology laboratory.
- **400 hours of applicable activities:**
200 hours of training;
200 hours of study visit.
- **800 hours of individual study and writing of an elaborate which will be discussed during the final exam.**

The didactic activity in classroom requires medium 5 hours a day for 2 days a week: Friday evening, 2 p.m. – 7 p.m., Saturday morning, 8.30 a.m.-13.30 p.m.

The lessons will be held in classroom nr 6, on 3° floor, in the Faculty of Economy of Università degli Studi di Messina.

The stages of about one month are going to be carried out by public agencies, companies of navigation, enterprises of transport, logistics and shipments, and also in the societies that contributed to the financing .

The didactic course aims to the formation of a professional, highly qualified figure, in possession of legal, economic, technical and ecological basic knowledge verified in the stages experience, in order to face problematic and thematic inherent to the environmental and economic sustainability of a complex system

N.B. THE ACTIVITIES CORRESPOND TO 60 DIDACTIC CREDITS

Articulation of classroom activity

The calendar of lessons which will be set on Fridays and Saturdays from 1st December 2006

Typology and technologic features of means.

Means of transport. Cargo units. Means of movement.

Goods transport technology.

Railway transport, Street transport, Marine transport, Air transport, Mixed, arranged, overlapped and intermodal transports.

Elements of economy and statistic of transports.

The market of international marine transport: liner and tramp. The system of conferences and conduct code. The system of open register. The market of international earth and air transport. Basic knowledge of statistics: graphics.

Introduction to shipping law

Maritime law, International, communitarian and national marine environmental law, Green Paper "Towards a future maritime policy for the Union: a European vision for the oceans and seas".

Law of the sea

International, communitarian and national source, International Waters and Territorial Sea, Straits, Archipelagos, Contiguous Zone, Exclusive Economic Zone, Fisheries

Elements of international public law

Nature and Origin of International Public Law, Sources, International Customary Law, International Conventions and Other Treaties, General Principles of International Law, Judicial Decisions, Role of "Soft Law" in International Law, International Law and Municipal Law.

Communitarian Law of maritime, road and air transport

Evolution of discipline of maritime and air navigation and of transport in Communitarian Law. Maritime navigation law and communitarian navigation law towards the marine European politics.

Shipping law – ship safety

Legal theory of the ship. Physical Attributes of a Ship. Legal regimen of the ship and leisure crafts. Suitability of the ship for navigation: assessments and tests. Classification Societies. International Convention for the Safety of Life at Sea 1974 (SOLAS) as amended. International Convention on Load lines. Cargo Safety.

Property and equipment of a ship

Title and ownership, carrier, Sales and Shipbuilding Contracts of Ships, Shares in Ships, Ships Mortgages and Hypothecs, Maritime Liens and Privileges.

Articulation of classroom activity

The Subjects and international institutions

The Subjects of International Public Law and International, Basis of Jurisdiction, State Responsibility, Law of Treaties, United Nations, Specialized Agencies, (in particular: IMO), other agencies, Role of Non-Governmental Organizations.

Maritime safety

Seaworthiness, Marine collisions, Salvage and wreck, General average, Towage, Marine pilotage.

Regulations for the marine pollution.

International, communitarian and the uniform regulations for the environment. Pollution of the environment and crimes. Marine protected areas.

Morphology of marine ecology

Coast resource. Oceanography. Problematic.

Marine Protected Areas and protected species

Pollution and depuration. Ecotoxology. Indications. Typologies and methodology of sampling

Carriage of goods by sea

Obligations of the Shipper and Carrier, law of contract, Contract of Carriage of Goods by Sea, Transport Documents and Electronic Commerce, Dangerous Goods Regulations: SOLAS , IMDG.

Regulation of maritime transport market.

Economical impact of tax custom system and of the fees for using of infrastructures and ancillary public service(mooring, pilotage, towing)

Elements of tax law.

Taxing imposition of activity of transport's trade and logistic services. Taxing system of international and communitarian freight.

Elements of custom law.

The custom code. Custom fees. Custom free. Admission. Admission of some products.

Articulation of classroom activity

Infrastructural junction and logistic platform.

Logistic organisation and costs of distribution of goods.

Regulation about international transport of dangerous goods.

Subjects involved in transport dangerous goods and their responsibilities. The figure of the security consultant for the transport of dangerous goods. L. 40/2000. Classification of dangerous goods (nr of the UN- code of classification- label of danger). Principal risks and dangers, associated with various classes and during the transport. Kelmer number. Total and partial exemptions. Transports in limited amounts LQ. Special dispositions for transport. Security programs and measures of security for goods of a high risk

The procedure of road transport: in parcels, higgledy, in tanks, in tanks ADR.

Typology of packing- simple, combined and composed packing- Big packing. Labels for packages and homologation of packing. Packing in common. Ways of loading in common. Special dispositions for transport and execution. Group of packing. Pressure containers for transport of gas. Marking and paneling of vehicles for street transport.

Constructive typologies of gas tank.

Various classes. Hierarchy of tanks. Security devices for tanks: test, periodical control. Documents. Constructive characteristics of vehicles. Special vehicles.

The document of transport.

Way of compilation. Form and language. Written instructions and documents of traveling. Staff. Emergency equipments of vehicles and board equipment. Contains of the book ADR 2005. Street transport of explosives class 1. Outlines of railway transport RID. Outlines of marine transport IMO. Formation of DGSA.

Ship's Owner Responsibility for the risk of organised activity.

Ship's owner's responsibility, according to particular criteria of imputation. Civil Liability for Oil Pollution Damage and coastal pollution .Limitation of Ship's Owner Responsibility.

Safety, security and sustainable development.

Proposals to the European Commission about communitarian politics of oceans and seas: the Green Paper.

Articulation of classroom activity

The lessons will be set in the Faculty of Economy- Università degli Studi di Messina, by professors of the university, experts and operators, both national and international, highly qualified in their field.

Articulation of applicable activities:

Practice exercises

TECHNOLOGY AND LOGISTIC OF TRANSPORTS: 5 hours meetings and discussion with terminal operator of logistics.

economy and statistic of transport- fiscal and customs law: 10 hours of meetings and discussion with customs agents, tax consultants, lawyers of enterprise and business consultants.

navigation law: 10 hours of discussion, sentences and practical cases with magistrates, lawyers and operators.

EU LAW AND INTERNATIONAL LAW OF MARINE NAVIGATION: 10 hours of meetings with operators- debates and round tables.

marine ecology: 10 hours of practices exercises of typology and methodologies of sampling.

TRANSPORT OF DANGEROUS STAFF: 10 hours of meetings and discussions with terminal operators and carriers of dangerous goods.

Didactic modules

	MODULE	TOTAL HOURS	TYOLOGY	C.F.U.
I	<i>Law of marine navigation</i>	50	Theory (40 hours) Practice (10 hours)	8
II	<i>UE Law and International Law of marine navigation</i>	25	Theory (15 hours) Practice (10 hours)	4
III	<i>Economy, Statistics and Financial Science</i>	30	Theory (20 hours) Practice (10 hours)	4
IV	<i>Technology and Politics of Transport</i>	20	Theory (15 hours) Practice (5 hours)	4
V	<i>Basic English and marine English</i>	75	Theory (30 hours) Practice (25 hours) Laboratory (20 hours)	10
VI	<i>Computer science applicable on transport</i>	50	Theory (10 hours) Practice (20 hours) Laboratory (20 hours)	8
VII	<i>Transport of dangerous goods</i>	32	Theory (22 hours) Practice (10 hours)	4
VIII	<i>Marine ecology</i>	20	Theory (10 hours) Laboratory (10 hours)	2

TRAINING: **200 hours**

STUDY VISIT: **200 hours**

SCIENTIFIC COMMITTEE

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Prof. Umberto La Torre

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Dr. Agnieszka Jurasz

PARTNER



Autorità Portuale di Messina

The Master was realized with a contribution of:



Autorità Portuale
di Messina



Fincantieri



*Marisa e Cristina
Fanara*

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