www.ipleiria.pt

www.polytech.am

DOUBLE MASTER DEGREE IN ENVIRONMENTAL SCIENCES

TAKE YOUR SKILLS AND QUALIFICATIONS TO THE **NEXT LEVEL** AND ADVANCE YOUR CAREER

You will get two official Master diplomas issued by two prestigious institutions with a deserved reputation on Environmental Sciences

Polytechnic Institute of Leiria
Leiria, Portugal
+
National Polytechnic University of Armenia
Yerevan, Armenia

CONTACT AND ADDITIONAL INFORMATION:

POLITÉCNICO DE LEIRIA

Polytechnic Institute of Leiria
Master coordinator
coord.meena.estg@ipleiria.pt

National Polytechnic University of Armenia
Head of Chair of Thermal Power Engineering and Environmental protection
mery.gg@mail.ru
mery_gg@seua.am

RETHINK. Reform of Education THru INternational Knowledge exchange TEMPUS

RETHINK. Reform of Education THru INternational Knowledge exchange

Co-funded by the Tempus Programme of the European Union

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.
Project number: 544178-TEMPUS-1-2013-1-PT-TEMPUS-JPCR

WHY SHOULD I CHOOSE TO STUDY THIS DOUBLE MASTER DEGREE?

Double Master Degree in Environmental Sciences, offered jointly by the Polytechnic Institute of Leiria (IPL) in Portugal and National Polytechnic University of Armenia (NPUA) In Republic of Armenia, gives students the appropriate skills necessary to improve their opportunities to develop a professional career in the current evolving global environment.

Double Degrees are the ultimate level of cooperation among higher education institutions within the global education scenario and this Master offers you training according to the highest European academic standards, together with the most international and intercultural tools needed for success in our globalized world. It has the advantages of being versatile, flexible and improve opportunities in careers and networking.

WHAT WILL I GET AFTER FINISHING MY STUDIES?

You will get two official Master diplomas issued by two European prestigious institutions:

>**Master degree in Energy and Environmental Engineering** by Polytechnic Institute of Leiria (IPLeiria), Portugal;

>**Master degree in Environmental Protection (in power engineering)** by National Polytechnic University of Armenia (NPUA), Republic of Armenia.

This program will provide you with technical and scientific skills to the level of renewable energy, energy efficiency and environmental technologies associated with the management of water, air, waste, noise and transport. Are still conferred on the areas of energy and environmental policies, in its dimensions ecological, social, economic and technological developments, with a view to promoting sustainable development and management.

WHAT DO I NEED TO ENROL?

The Double Master Degree in Environmental Sciences is designed for students and professionals with different scientific backgrounds such as biology, chemistry, environmental health and several branches of Engineering.

The basic prerequisite is to hold an undergraduate Degree from a European Higher Education Area (EHEA) university or equivalent from a non-EHEA university with access to Master Degrees in their own academic systems.

At least you have to accredit a B1 English level to enrol.

MASTER IN ENERGY AND ENVIRONMENTAL ENGINEERING
+
MASTER IN ENVIRONMENTAL PROTECTION (IN POWER ENGINEERING)

SEPTEMBER – JULY
4 SEMESTERS
120 ECTS

STUDY PROGRAMME

Sudents from NPUA

Semester	Curricular unit
1 (NPUA)	Science history and methogology
	Foreign language
	Information technology
	Mathematics
	Elective Chair 1
	Scientific seminar
	Research Work
	Research Internship
	Final Thesis Completion
2 (IPLeiria)	Electives Chair 2
	Electives Chair 3
3 (NPUA)	Influence of technical water supply systems of TPP and NPP on environment
	Economics and prediction of nature management
	Estimation of water resources use in power engineering
	Energy saving and power management
	Scientific seminar
	Research Work
	Final Thesis Completion
3 (NPUA)	Radiation Safety Basics
	Environmental impact assessment
	Human ecology
	Scientific seminar
	Research Work
	Final Thesis Completion

Elective chairs 1 (NPUA): one of the following chairs
Environmental problems of fuel combustion
Ecological problems of power systems
Actual problems of nuclear power plants radioactive waste storage

Elective chairs 2 (IPLeiria): two of the following chairs
Water Quality Management
Waste Management
Energy and Environment in Transports

Elective chairs 3 (IPLeiria): two of the following chairs
Rational Use of Energy
Heating, Ventilation and Air-Conditioning Systems
Renewable Energies Technology

Sudents from IPLeiria

Semester	Curricular unit
1 (IPLeiria)	Decision and Optimization Methods
	Thermofluids
	Electives Chairs 2
2 (NPUA)	The ecological legislation and law problems of environmental engineering protection
	Environmental impact assessment
	Influence of technical water supply systems of TPP and NPP on environment
	Estimation of water resources use in power engineering
	Energy saving and power management
	Radiation Safety Basics
	Elective Chair 1
3 & 4 (IPLeiria)	Dissertation or Internship or Project*

Elective chairs 1 (NPUA): one of the following chairs
Environmental problems of fuel combustion
Ecological problems of power systems
Actual problems of nuclear power plants radioactive waste storage

Elective chairs 2 (IPLeiria): two of the following chairs
Environmental Management Policies
Energy Policy and Sustainable Development
Evaluation of Environmental Parameters
Air Quality Management