LECTURERS
Main
Eduardo Fortunato
José Nuno Varandas
Madalena Barroso
Maria João Falcão Silva
Marta Carvalho
Paula Couto
Simona Fontul
Tiago Silva
Zuzana Dimitrovová
Invited
Ana Maria Fonseca
André Marques Paixão
Elsa Lourenço Alves
Filipe Telmo Jeremias
Joana Carreto
João Bilé Serra
José Delgado Muralha
Luis Oliveira Santos

Classes also include lectures given by personalities of recognized merit in the field.

STUDY SCHEDULE
Training will be given online on Zoom platform in post working hours, on Fridays from 5pm till 9pm and on Saturdays from 9am CMT. The end of training on Saturdays will depend on the selected optional units, however, the number of hours per week will be 10 hours.

STUDY FEE
1500€

APPLICATION PERIOD
From February 15, 2024, to March 12, 2024
Vacancies: 25

ADMISSION - MINIMUM REQUIREMENTS
• 1st cycle of higher education in engineering sciences.
• Specialization in civil engineering, or mechanical engineering or other considered related.
• Exceptions will be analyzed individually.

RANKING - SELECTION METHOD
• Academic education.
• Professional experience.
• Possible selection interview.

COORDINATOR
Zuzana Dimitrovová
zdjm@fct.unl.pt

SCIENTIFIC COMMITTEE
Zuzana Dimitrovová (FCT NOVA)
Eduardo Fortunato (LNEC)
Paula Couto (LNEC)

CONTACT
Department of Civil Engineering, FCT NOVA
NOVA School of Science and Technology
2829-516 Caparica | Portugal
zdjm@fct.unl.pt
https://sites.fct.unl.pt/postgraduate-study-rehabilitation-railway-infrastructures/
REHABILITATION OF RAILWAY INFRASTRUCTURES

POSTGRADUATE STUDY

OBJECTIVES

The course aims to provide trainees with the acquisition of a set of multidisciplinary knowledge, in the area of ballasted railway track rehabilitation, theoretical and practical, enriched by lectures given by recognized personalities in this area.

- Fundamental concepts about railway inspection and rehabilitation techniques.
- The use of computational tools is promoted in several curricular units.
- The focus on the use of new materials, such as geosynthetics, is also supported.

COMPETENCES

Trainees should acquire the ability to assess the current state of the railway, propose efficient and effective rehabilitation measures, and evaluate their additive value in terms of improving the dynamic performance of the track. The knowledge acquired will provide complementary competence to current Pre-Bologna Graduates, or Post-Bologna Masters. The course is also beneficial for students who only finish the 1st cycle of higher education.

CAREER OPPORTUNITIES

The study aims to provide specific training useful to the railway sector, which will allow the graduates to access the labour market more easily or to continue on a research and development program. The study is also directed to professionals to improve their current qualifications.

STUDY PLAN

The necessary number of passed credits to obtain the Diploma of the course is 16 ECTS.

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