

Title of the Masters Course:**EURHEO: European Masters in Engineering Rheology****Duration:** 2 years**Course description:**

The objective of EURHEO – European Masters in Engineering Rheology is to offer an advanced education programme on Rheology and its applications to different Engineering areas. EURHEO combines the expertise of seven leading European Universities in the field of Rheology and the syllabus is designed to provide its graduates with the necessary competences to understand the relevance of Rheology in Materials Science and Engineering and apply the knowledge gained in solving real-world Engineering problems both autonomously and included in multidisciplinary research teams.

The Masters Course will have a duration of 120 ECTS credits, or 2 academic years, using English as the primary language of instruction with French and Spanish as secondary languages. The size of the student population is 35 per annum and the professor to student ratio is approximately 1/2, as opposed to typical values of 1/10 in Engineering.

In the first year the students will take the Primary Studies Programme in one of six partner Universities according to their background and area of election. This first year is designed to give students a strong basic education in the different areas of Materials Science and Engineering to which Rheology is directly relevant

The second year will consist in an the Integrated Studies Programme, taken at a different University from that where the student attended in the first year; initially there will be general courses on the main areas of application of Rheology, these being designed to impart to students basic knowledge on Materials Science and Engineering, Instrumentation and Experimental Rheology and Theoretical and Computational Rheology. These will be followed by Advanced Topical courses that will be devoted to the in depth study of particular areas of Rheology that are of specific interest to each individual student. Finally, there will be a final R&TD project that will be geared towards scientific or industrial research. Each student will have an individually tailored study plan for the two years.

The Higher Education Institutions involved are the University of Minho (Portugal), Leuven Catholic University (Belgium), Louvain Catholic University (Belgium), University of Huelva (Spain), University of Calabria (Italy), the Grenoble Institute of Technology – University Joseph Fourier (France) and the University of Ljubljana (Slovenia). The awarded degree will be a Double Degree from the institutions involved in each student's mobility. The admission criteria include a good quality undergraduate degree with a minimum of 180 ECTS credits or equivalent qualifications in relevant areas such as Engineering, Exact Sciences and Natural Sciences

Website:

www.uminho.pt/eurheo

Partners:

University of Minho, Portugal (Co-ordinating Institution)

University of Calabria, Italy

University of Huelva, Spain

Joseph Fourier University/Grenoble Polytechnic National Institute, France

University of Ljubljana, Slovenia

Catholic University Louvain, Belgium

Catholic University Leuven, Belgium

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Grants:

865 000 €(15 000 €consortium + 850 000 €scholarships), 2008