

REPORT ON REALIZATION OF THE TRAINING *WORKSHOP IN OVIEDO (26TH-30TH SEPTEMBER)*

The realization of this course was related activity 3.2 (**PROFESSIONAL DEVELOPMENT OF TEACHING STAFF**).

General data: After having undertaken different types of training, observation of other teachers implementing the studied methodologies and technologies becomes a fundamental step to acquire the competences, to solve the doubts and to reinforce the learning.

There was not a proper training material since the teachers attended lectures and took notes during the observation.

The objectives of the training: University and college teachers of natural and mathematical sciences attended different lectures at the University of Oviedo to share the experience of the implementation of new methodological and technological tools. Together with the training, some institutional visits were held and a meeting to discuss about dissemination of the project was held.

The realization of the training:

Mode of delivery: The training delivered face-to-face in Oviedo.

Dates: September 26th to 30th 2022.

Agenda:

Monday 26th September

17:00-18:00	Welcome and general presentation of the meeting. Sala de Grados, 3 rd floor, Facultad de Formación del Profesorado y Educación (https://goo.gl/maps/salva2vne4L2)
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Tuesday 27th September

9:30-12:30	Discussion about dissemination and sustainability of the project. Sala de Grados, 3 rd floor, Facultad de Formación del Profesorado y Educación (https://goo.gl/maps/salva2vne4L2)
17:30-18:30	Visiting lectures on Mathematics at the Faculty of Education (Laura Muñiz-Rodríguez). Room S-21, 2nd floor, Southern Building, Facultad de Formación del Profesorado y Educación (https://goo.gl/maps/salva2vne4L2)

Wednesday 28th September

9:00-1 1:00	Plans and obligations for the finalization of the project, documentation, etc.
11:30- 13:00	Meeting with innovation projects leaders of the Faculty of Chemistry (Juan Manuel Marchante) and visit to the Vice-Rectorate for Students (https://goo.gl/maps/KcGgAywUBBisyLjMA)
17:00- 18:30	Visit to lectures on Mathematics at the Faculty of Education (Luis J. Rodríguez Muñiz). Room S-11, 1st floor, Southern Building, Facultad de Formación del Profesorado y Educación (https://goo.gl/maps/saLva2vne4L2)

Thursday 29th September

11:00	Meeting with the Vice-rector for Internationalization of the University of Oviedo. Sala de Prensa. Historic Building of the University of Oviedo (https://goo.gl/maps/SKKUAXDM5rWTwmcc7)
13:00	Meeting with the Rector of the University of Oviedo
17:00- 20:00	Visit to lectures on Computation at the Faculty of Computer Science (theory+labs) Room A-S-02 School of Computer Science Oviedo (17-18 h) Room L-02 School of Computer Science Oviedo (lab 18-20 h.) https://goo.gl/maps/ZUczTwvJoTALyAx17

Friday 30th September

9:00-1 3:00	Summary and conclusions of the workshop. Sala de Grados, 3 rd floor, Facultad de Formación del Profesorado y Educación (https://goo.gl/maps/saLva2vne4L2)
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Course participants: The total number of course participants who attended the course was 16.

Teachers: The course was taught by teachers with experience in teaching innovation from the faculties of Teacher Training, Chemistry and Computer Science.

Assessment: After each one of the sessions, participants discussed with the teachers about the lectures.



Laura Muñiz Rodríguez

Laura Muñiz-Rodríguez has a degree in Mathematics and a PhD in Mathematics and Statistics (University of Oviedo) and in Educational Sciences (Ghent University). She is an assistant professor at the Department of Statistics and Operational Research and Mathematics Education of the University of Oviedo. Her research focuses on the field of initial and continuous training of future mathematics teachers, the use of games and manipulatives for the teaching and learning of mathematics, and the role of feedback in the teaching and learning process.

Luis J. Rodríguez Muñiz

Luis J. Rodríguez-Muñiz is Associate Professor (with accreditation for Full Professor) in the University of Oviedo from 2003, within the Department of Statistics and Operations Research and Mathematics Education. Bachelor's and Ph.D. Degree in Mathematics (awarded with the Extraordinary Doctoral Prize). His late research interests are focused on mathematics education, within two research lines. The first one is statistics and probability education: analysis of textbooks, resources, and curriculum analysis, and students' difficulties. The second line is the initial and continuous teacher training, particularly, the initial training of secondary mathematics teachers. He is the coordinator of the Mathematics Education Research Group (MERG), which is certified by the Spanish National Agency. From 2018 he is the president of the Education Commission of the Royal Spanish Mathematical Society (RSME). He is also a member of the Spanish Society for Research in Mathematics Education (SEIEM).

Juan Manuel Marchante Gayón



Juan Manuel Marchante is a full professor in Analytic Chemistry, with a large experience in teaching innovation. He has been the responsible of the adaptation of the University of Oviedo degrees to the European Higher Education Area (2008-2016) as well as Vice-Dean of the Faculty of Chemistry for Innovation (2017-2021) and the director of Access in the University of Oviedo

(2021-today).

Carlos Mencía Cascallana



Carlos Mencía has a degree in Computer Engineering and a PhD in Computer Science (University of Oviedo). He is an associate professor at the Department of Computer Science of the University of Oviedo. His research interests include constraint satisfaction and optimization problems, especially scheduling problems and Boolean satisfiability, as well as the analysis of inconsistency in these domains.

Raúl Mencía Cascallana



Raúl Mencía has a degree in Computer Engineering and a PhD in Computer Science (University of Oviedo). He is an assistant professor at the Department of Computer Science of the University of Oviedo. His research focuses on the field of artificial intelligence and combinatorial optimization, especially on the use of evolutionary and local search approaches for solving complex scheduling problems.