

**OCW 2020  
FUNDAMENTALS OF GEOTECHNICAL  
ENGINEERING**

**TEACHING STAFF**

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**Jesús M<sup>a</sup> Hernández** is associate professor in the area of Solid Mechanics at the Faculty of Engineering in Bilbao. Since 1989, she has taught in different courses in the Civil Engineering and Mining Engineering degrees, in the Master in Construction Engineering, and in the Doctorate Programme of the Department of Mechanical Engineering. From 1993 to 1998, he was working in the regional government.

Soil and Rock Mechanics, Strength of Materials, Theory of Structures, Steel and Concrete Structures in the degrees mentioned above, and Geotechnical Engineering in the Master and in the Doctorate Programme are subjects that he had given. In addition, he has led more than 40 final degree projects.

Professor Hernández has participated in more than 40 research projects in competitive calls. Consequently, he has published 30 articles on high impact journals, book chapters and communications in conferences.

Since 2013, he is the coordinator of the Civil Engineering degree in the Faculty of Engineering in Bilbao. Also, he is member of the Academic Commission of the Master in Construction Engineering since 2010.

**M<sup>a</sup> Helena Fernandes** is associate professor in the area of Solid Mechanics at the Faculty of Engineering in Bilbao. Since 1993, she has taught in different courses in the Civil Engineering and Mining Engineering degrees, in the Master of Mechanical Engineering: Design and Production and the Master in Construction Engineering, and in the Doctorate Programme of the Department of Mechanical Engineering.

Strength of Materials, Theory of Structures, Steel and Concrete Structures in the degrees mentioned above, and Experimental Analysis of Vibrations, and Instrumentation and Measurement Techniques in Masters and the Doctorate Programme are subjects that she had given.

In addition, she has led more than 70 final degree projects, and final master's projects.

Professor Fernandes has participated in more than 50 research projects in competitive calls, leading 13 of them. Consequently, she has published 40 articles on high impact journals, book chapters and communications in conferences.

She has participated in different educational innovation projects, training courses in new teaching methodologies and in the design of the current Civil Engineering syllabus.