

Actividades Formativas IMEIO/ Educational Activities IMEIO

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| Título/Title: Observing and Modelling the rotation of the Earth and Mars |
| Organizador/Organizer: Marta Folgueira López (UCM) ; martafl@mat.ucm.es |
| Profesores/Lecturers: Marta Folgueira López (UCM), Véronique Dehant (Royal Observatory of Belgium) and Víctor Puente García (IGN) |
| Horas totales/Number of hours: 10 |
| Lugar/Location: Faculty of Mathematics, UCM |
| Fechas/Dates: March - April 2021 |

Resumen/Summary:

The aim of this course is to provide students a general overview of the analytical models that describe the rotation of the Earth and Mars as well as the techniques for the observation of the Earth Orientation Parameters and that the instructors have developed some contributions. To this end, the course will include the following contents:

1. Introduction to the problem of the rotation of the Earth and Mars.
2. Actual research projects in geosciences and spatial sciences.
3. Modelling the rotation of the Earth and Mars. Comparison.
4. Observing the Earth rotation through VLBI and GNSS techniques. Comparisons with the theoretical model.

¿Aceptarías que el curso se pudiera emitir por videoconferencia restringido a algunos alumnos del doctorado que no pudieran asistir presencialmente?
Would you accept that the course could be given by videoconference restricted to some doctoral students who could not attend in person? YES