



# External Practices

## Syllabus

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| <b>Course code:</b>             | 1605  |
| <b>Number of ECTS credits:</b>  | 6   |
| <b>Semester:</b>                | 1st (September-January) or 2nd (February-June)  |
| <b>Prerequisites:</b>           | The student must have completed at least 120 (out of a total of 180) credits of the first three years of the Math Degree, including the 60 ECTS of <i>basic courses</i> . |
| <b>Recommended components:</b>  | Those corresponding to the courses of the first three years of the Mathematics Degree.  |
| <b>Language of instruction:</b> | Spanish   |

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### Course description

This course offers students the possibility to acquire professional experience by doing practices in a working-place environment. These practices help integrate students academic knowledge with real jobs related to Mathematics. The practices must also improve students' specific skills that will help them find a job after completion of their studies.

The course will take place in an external institution, company, or entity, under the guidance of an external tutor and an internal faculty member.

### Learning outcomes and competences

After completion of this course you will improve your:

1. knowledge of the applications of Mathematics in a professional environment, either in a company or in an administrative, educational, or research institution.
2. abilities to apply Mathematics in real-life situations.
3. abilities to work in groups.
4. develop practical applications based on the competencies acquired in other courses of the Mathematics Degree.

### Course contents

The Faculty of Mathematics already has agreement with several companies and institutions of the Region of Murcia for accepting students for these practices, although it is always possible to contact additional ones, should a student have a particular interest. We now list a number of places students have done or are doing practices in the last years, that can also serve as inspiration for new students.

- I. Different offices of the Regional Government: *Health, Environment, Industry,...*
- II. Local councils of major cities in the Region: *Murcia, Águilas,...*
- III. Hospitals in the Region: *Virgen de la Arrixaca, Virgen de la Vega,...*
- IV. Several public and private high-schools in the Region.
- V. Technical administration of the University of Murcia: *ATICA (TIC services), Research Facilities (Statistics).*
- VI. Companies: *Bionet Engineering, Cáritas Diocesana, Instituto Oncológico del Sureste, Ortopedia Plus, Sinergiatec,...*

## References

Does not apply.