Bachelor thesis

Syllabus

Course code:	1612
Number of ECTS credits:	12
Semester:	2nd (February-June)
Prerequisites:	168 ECTS approved.
Recommended components:	None in particular
Language of instruction:	Spanish. Part of the written memory and of the exposition should be in english.

Course description

The student must carry out a personal and autonomous work in order to show in an integrated form that he/she has acquired the general competences of the Degree in Mathematics. Each student will be assigned a supervisor.

The work must result in the elaboration of a written memory that must be presented individually.

Learning outcomes and competences

After completion of this course you will:

1. Develop the necessary skills to solve problems in an academic, technical, social. . . ambit by the use of mathematical methods.

   Here "problems" are understood as challenges that are not well delimited and in which, a priori, it is not clear which tools will be needed in its solution.

2. Work out proofs of mathematical results. Assimilate the definition of new mathematical objects, relating them with other known concepts and establishing their properties.

3. Formulate conjectures and work out strategies to confirm or refute them.

4. Propose, analyze, validate and interpret models for simple real situations by the use of the mathematical tools more adecuate to the pursued goal.

5. Write a memory of the work developed during the course, and present it orally, possibly with the help of audiovisual media.

Course contents

At the beginning of the academic year there will be a process of proposal, application and assignation of "lines of work". The specific topics that the student will have to work with depend on the line assignated.

References

Depend on the "line of work" assignated to the student.