

**Work Placement: Advisor Modality**

Code: 104891  
ECTS Credits: 18

Degree	Type	Year	Semester
2503852 Applied Statistics	OT	4	0

## Contact

Name: Antonio Lozano Bagen

Email: Antonio.Lozano.Bagen@uab.cat

## Use of Languages

Principal working language: catalan (cat)

Some groups entirely in English: No

Some groups entirely in Catalan: Yes

Some groups entirely in Spanish: No

## Teachers

Dolors Herbera Espinal

## Prerequisites

The student must have passed the first two courses of the degree and it is necessary, in addition, to have passed a minimum of 150 ECTS credits. Each case may be studied individually.

## Objectives and Contextualisation

The main objective of this course is to bring the student closer to the work reality and facilitate their professional insertion.

By studying this subject the student will be able to contrast the theoretical-practical knowledge acquired in the undergraduate studies with the needs of the professional life and will have the opportunity to work in interdisciplinary teams.

Given the duration of these practices, the student may have the possibility to experience the initiation, prospecting, assessment, organization, execution, completion and subsequent realization of the report of the same "real" project.

## Competences

- Analyse data using statistical methods and techniques, working with data of different types.
- Critically and rigorously assess one's own work as well as that of others.
- Design a statistical or operational research study to solve a real problem.
- Make efficient use of the literature and digital resources to obtain information.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.

- Use quality criteria to critically assess the work done.
- Work cooperatively in a multidisciplinary context, respecting the roles of the different members of the team.

## Learning Outcomes

1. Apply the knowledge acquired in professional practice.
2. Critically assess the work done on the basis of quality criteria.
3. Make effective use of references and electronic resources to obtain information.
4. Perform tasks involving the statistical analysis of data that require decision-making based on critical reflection.
5. Reappraise one's own ideas and those of others through rigorous, critical reflection.
6. Solve problems in statistics within interdisciplinary teams.
7. Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
8. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
9. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
10. Verify the theoretical and practical knowledge acquired throughout bachelor's degree studies
11. Work cooperatively in a multidisciplinary context, accepting and respecting the roles of the different team members.

## Content

Stages and activities to be carried out by the student throughout the internship period:

Interview with the academic tutor. Preparation of the CV .....	2 hours
Planning: search, interviews, organization .....	10 hours
Work in the company.....	400 hours (*)
Report writing.....	30 hours
Preparation of the public exhibition of the work carried out .....	6 hours
Public presentation and attendance to the presentations of the classmates ...	2 hours

(\*) The development of work in the company includes, among others, the following activities: first contact with the work team in which the student must be integrated; reading and study of computer manuals, economics, finance, ...; realization of the proposed tasks, collaboration in the presentations of these tasks to the work team; preparation of reports, ... In the computation of hours, the hours that the student must dedicate outside the company, whether to prepare tasks, study manuals, etc., must also be included. We consider that, approximately, it can be about 10 hours of work; therefore, about 120 hours will be left to make the company's dentistry. It is advised that the 120 hours that must be done within the company are distributed in such a way that:

Do not exceed 4 hours a day.

Be done, if possible, within the same four-month academic year.

As a result, the internship in the company will be extended over approximately 6 weeks, with a weekly dedication of 20 hours (4 hours a day from Monday to Friday).

## Methodology

Detail of the stages and activities to be carried out by the student throughout the internship period:

In section 1:

You must fill in the initial form and prepare the CV. Send both to the academic tutor. Maintain an interview with the academic tutor and redo, if necessary, the CV. It must take into account what types of jobs are appropriate to the needs and conditions of the student.

In section 2:

Search for work and go to interviews. Once the job has been chosen, the UAB-Company agreement proposal must be completed, together with the company. You must specify the work to be done, how to do it, with what time and on what dates. It is also necessary for the company to appoint a tutor who will ensure, within the company, the student's training; This tutor, once the work is completed, must prepare an evaluation report that shows the accreditation of the hours worked and the work done, how the relationship / adaptation of the student to the work team was developed.

In section 3:

Perform the tasks entrusted by the company with the supervision of the company's tutor.

In section 4:

Preparation of the report of the practices carried out. The student will have a guide on the Virtual Campus.

In section 5:

Preparation of the public exhibition of the memory (it must have a maximum duration of 15 minutes). The use of IT is recommended.

In section 6:

Public exhibition of the memory and attendance at the presentations of the other colleagues who have done the practices during the same period.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Interview and planning	12	0.48	9, 7
Type: Supervised			
Work in the company	400	16	1, 5, 2, 10, 4, 9, 7, 8, 6, 11, 3
Type: Autonomous			
Report and public presentation	38	1.52	5, 4, 9, 7, 3

## Assessment

The criteria that are used for the evaluation of the course are the following:

- Report of the tutor designated by the company (70%)
- Content of the internship report (20%)
- Public exhibition of the report in front of a court and of the companions who have carried out the practices in the same period (10%)

To be evaluated positively, two conditions are indispensable:

- (a) That the tutor's report is positive.
- (b) Obtain a positive evaluation of the exposure.

The student will be considered as "Not Submitted" in the event that the tutor of the company does not certify that he or she has actually done the work, or in the event that the presentation is not made. In summary, it is necessary:

- Accreditation of work hours by the company's tutor.
- Report / evaluation of the company's tutor (must include the work done, the hours worked and an assessment of how the work was carried out and the adaptation to the work team).
- Oral presentation of the work done in front of a court and of the other colleagues who have also done the internships in the same period.

The academic tutor, responsible for the course, puts the note. This note must be agreed with another member(s) of the court and the tutor of the company.

### Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Public presentation	10%	0	0	5, 4, 9, 7, 3
Work in the company	70%	0	0	1, 5, 2, 10, 4, 9, 7, 8, 6, 11, 3
Work report	20%	0	0	5, 4, 9, 7, 3

### Bibliography

The bibliography will be variable depending on the type of practices, many times it will be provided by the company itself. It may be useful to have at hand the bibliography used in the courses of the degree.