# ADDENDUM MODEL OF THE TEACHING GUIDE FOR THE ADAPTATION OF THE ONLINE TEACHING

| UNDERGRADUATE CIENCIAS AMBIENTALES/GEOLOGÍA/DOBLE GRADO EN CC.AA. Y GEOLOGÍA | | | |
|---|---|---|---|
| Subject: Statistics and Data Analysis (Codes 757709203 – 757609107 - 757914109) | | | |
| Course | 1º | Semester | 2º |

**Syllabus adaptation for online teaching:**

*The syllabus contents do not change in online teaching*

## Adequacy of training activities and teaching methodologies

Theory classes sessions and face-to-face exercises are replaced by online sessions taught at the same times already established. The face-to-face computer practice sessions are replaced by online computer practice sessions, using the same statistical packages previous to the face-to-face classes, and at the same times established for the practices.

In both cases (Theory / exercises and practices) the sessions are taught through videoconferences with Zoom or Adobe Connect, the links are integrated into the Moodle virtual classroom. In addition, forums for consultation and resolution of doubts are incorporated.

## Adaptation of evaluation systems

**The face-to-face assessment systems were:**

1. Activities in the classroom and online questionnaires. They have a weight of 10% on the overall rating. A minimal note is not required.

2. Evaluation of the computer practices (weight of 30% on the final rating): there are two activities (one with Excel (15% on the final rating) and the second with Rcmdr (15% on the final rating)) applying the techniques studied on a set of real data. These activities are graded on a scale from 0 to 10 points. The practical part can be overcome provided that the qualification obtained in each one of the activities is equal to or greater than 5 points.

3. Once completed the contents of block 1 (Descriptive Statistics), there will be a voluntary test of exercises corresponding to this module. The mark for overcoming it is 5 points. This partial test result is not saved to September. It suppose the 50% of the theory (30% of the final rating).

**Students with the final single evaluation system:**

Evaluation of the theoretical content-exercises part (70% of the final rating). The exam will contain three or four exercises. Students are required to obtain a minimum score of 5/10 in the exam to pass this part.

2. Students must perform an activity in the computer room with Excel and Rcmdr, applying the statistical techniques studied, on the same date as the final exam of the subject. The practical part can be overcome provided that the qualification obtained is, at least, 5 points. (30% of the final rating).

**The online assessment systems that replace the face-to-face ones defined previously are:**

- The two theory-face-to-face exams will be replaced by three virtual written tests that the students must take at the time established by the teacher, and for which they will be informed in sufficient time about their content and conditions of completion. Each of these tests will consist of a problem solving questionnaire, and the development and results of the problems must be scanned and incorporated into the virtual classroom as a task before that time ends. The test related to the contents of block 1 of the subject will have a weight of 30% on the final

grade, while the tests of blocks 2 and 3 will have a weight of 15% each on the final grade. Altogether the weight of the theory-exercises part represents 60% of the final grade.

- The evaluation of the practices (weight of 30% on the final grade) is maintained with two objective test for solving data analysis questions (one with Excel and the second with Rcmdr), also established at a concrete time frame.

- The online self-assessment questionnaires are maintained with a weight of 10% on the overall rating.

| EVALUATION SYSTEM | | | PERCENTAGE | |
|---|---|---|---|---|
| **Objective test (test type)** | **Excel** | | 15% | **30%** |
| | **Rcmdr** | | 15% | |
| **Open answer written test** | **Module 1** | | 30% | **60%** |
| | **Module 2** | | 15% | |
| | **Module 3** | | 15% | |
| **Self-evaluation** | | | **10%** | |

**Summative / final face-to-face assessment indicated above will be replaced by:**

- 70% of the final theory and exercise exam is replaced by a virtual exercise exam (written test) with a weight of 60% and an objective test with a weight of 10% on the final grade, these tests will be held on the date established by the Center. The exam will consist of a problem-solving questionnaire, and the development and results of these exercises must also be scanned and uploaded as a Moodle task. It will be necessary to get at least 4 points out of 10 in each of the parts.

- The evaluation of the practices (weight of 30% on the final grade) is maintained with two Objective tests (one with Excel and the second with Rcmdr), each with a weight of 15% on the final grade. It will also be necessary to get at least 4 points out of 10 in each of the parts.

- To pass the subject, a weighted average grade of greater than or equal to 5 must be obtained.

| EVALUATION SYSTEM | PERCENTAGE (%) |
|---|---|
| **Open answer written test** | **60%** |
| **Objective test (test type) (Theory/Exercises)** | **10%** |
| **Objective test (test type) (computer Practices)** | **30%** |