Programming Fundamentals - Laboratory General Guidelines

2022/2023

GENERAL LABORATORY MATTERS

- Laboratory grade is worth 25% of the final grade of the subject.
- Compulsory: a grade equal to or above 4 is required to pass the subject.
- Retakeable: students who fail the laboratory part in the ordinary period can get a new assessment in the extraordinary period.
- Laboratory part consists of laboratory sessions and laboratory exams.
- The programming language used for every task proposed in the laboratory part (sessions and exams) will be Java.
- Laboratory sessions are weekly, according to the schedule below.
- Work during the sessions will be carried out in teams of 4 students.
- All members of each team must belong to the same laboratory group.
- There will be a final laboratory exam for both the ordinary and extraordinary periods. The exam will consist in solving a programming problem with the computer (the students must bring a computer to the designated exam classroom).
- **Laboratory exams are taken individually, not in teams**.

ASSESSMENT ON THE ORDINARY PERIOD

Laboratory grades in the ordinary period for students on **continuous evaluation** consist of the following:

- **Assessment of laboratory sessions**: 5% of the grade
  - Throughout the term, 7 assignments will be proposed to be solved by the students. The assignments will be presented in lab sessions.
  - The assessment takes into account the work progress during the sessions, although a numeric grade won't be provided until all the sessions on the ordinary period have ended.
  - There will be three submission milestones via campus virtual:
    - The first one for assignments 1, 2 and 3 (**6 November**).
    - The second one for assignments 4 and 5 (**27 November**).
    - The third one for assignments 6 and 7 (**22 December**).

- **Final laboratory exam**: 20% of the grade
  - The exam will take place on the same day that the theory exam (16 January 2023).
  - It will be related to the assignments taken during the term.
  - Correct functioning of the exam exercise is a necessary condition to pass, but in addition, other parameters will be considered when assessing the final grade, such as code "cleanness", efficiency, effectiveness, design, structure and modularization, etc.

Laboratory grades in the ordinary period for students on **non-continuous evaluation** consist of the following:

- Final laboratory exam: 25% of the grade
  - The exam will take place on the same day that the theory exam (16 January 2023).
  - Correct functioning of the exam exercise is the minimum requirement in order to pass, but in addition, other parameters will be taken into account when assessing the final grade, such as code "cleanness", efficiency, effectiveness, design, correct use of the builders provided by Java, etc.

ASSESSMENT ON THE EXTRAORDINARY PERIOD (for students who failed the laboratory part on the ordinary period)

Laboratory grades in the extraordinary period for both students on **continuous** and **non-continuous evaluation** consist of the following:

- Laboratory grade in the extraordinary period will correspond to the grade obtained in the final laboratory exam. This exam will take place on the same date as the final theory exam (5 June 2023).

- The student may maintain the laboratory grade obtained in the ordinary period for the extraordinary period, as long as it is equal to or above 4 (out of 10).

GRADE RECOGNITION

Students who pass the laboratory (with a grade of 5 or greater) can maintain their grade for the next course (2023/24). The laboratory can only be validated for one year.

SCHEDULE FOR THE LABORATORY SESSIONS

Session	Purpose	Date
1	Assignment 1 (Introduction to Java, Eclipse)	6 Oct
2	Assignment 2 (Selection)	13 Oct
3	Assignment 3 (Iteration)	20 Oct
4	Questions and doubts, extra work	3 Nov
5	Assignment 4 (1D arrays)	10 Nov
6	Assignment 5 (2D arrays)	17 Nov
7	Questions and doubts, extra work	24 Nov
8	Assignment 6 (Modularization 1)	1 Dec
9	Assignment 7 (Modularization 2)	15 Dec
10	Questions and doubts, finish previous work	22 Dec

CONTACT:

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Office hours for tutorials:

- Monday 11.00 - 14.00
- Friday 11.00 - 14.00

Tutorials will be held through Microsoft Teams.

Associate professors office (ESI, 1st floor, between both staircases)

Important: Send an email with anticipation to set up an appointment for a tutorial