# TEACHING GUIDE ADAPTATION DOCUMENT DUE TO COVID-19 SPECIAL PERIOD TEACHING GUIDE YEAR 2019-20

This Adaptation Document specifies how the teaching of this course has been adapted (contents, methodologies and assessment) due to the period of temporary suspension of face-to-face educational activity as a result of the health crisis caused by the COVID-19.

**COURSE: Electronic Control Engineering**

**CODE: 600020**

## 1. CONTENTS

**No** changes/adaptations have been made to this section.

## 2. TEACHING-LEARNING METHODOLOGY. EDUCATIONAL ACTIVITIES

**Yes**, some changes/adaptations have been made to this section:
In the theoretical part, classroom teaching is replaced by videos (asynchronous teaching) that explain the theoretical foundations and include exercise solving. Online teaching (synchronous teaching) is used to solve exercises, answer student questions, and group tutorials. Both synchronous and asynchronous teaching use BBoard Collaborate.

In the practical part, the same strategy used in the theoretical part is used, combining the use of videos and online teaching. Besides, the second deliverable of the laboratory part (EPL2) has been partially modified, eliminating the part related to the evaluation of the controllers implemented in a real physical plant (DC motor), available in the laboratory. Instead, an emulated alternative has been designed, evaluating the controllers implemented in C language on a previously identified model of the plant (EPL1).

## 3. ASSESSMENT: PROCEDURES, ASSESSMENT AND QUALIFICATION CRITERIA

**Yes**, some changes/adaptations have been made to this section:
The structure of the second partial assessment exam (PEI2) and the final assessment exam (PEF) has been modified to fit into the BBoard examination tool. These exams are composed of test questions with multiple-choice answers, using the resources of BBoard. Besides, we

eliminate the minimum individual score of PEIs and EPLs required to pass both the theoretical and practical parts. The final score, having passed both parts (equal to or higher than 50 % of the maximum score), results from the weighted average of the two parts.

## 4. COMMENTS

The virtualized teaching activities to replace classroom training have not altered either the content or the acquisition of skills foreseen in the teaching guide for this subject.