

Introduction to Embedded Systems (IES)

Module 1 Introduction

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Agenda

1. Welcome

- Introduction of participants

2. Background and aim for this course

3. Practicalities

- Student background and expectations form
- Student teams
- How to conduct the exercises
- Module reports
- Course materials
- Publication of course activities

4. Introduction to the course

- Practical applications of embedded systems
- Course theoretical and experimental content
- The Raspberry Pi Pico teaching kit
- Embedded systems fundamentals
- The Arduino programming software
- Arduino programming examples

5. Exercises

- Compiling an Arduino program
- Upload to the Pico
- Arduino programming examples