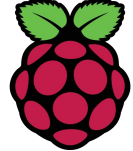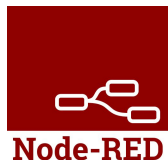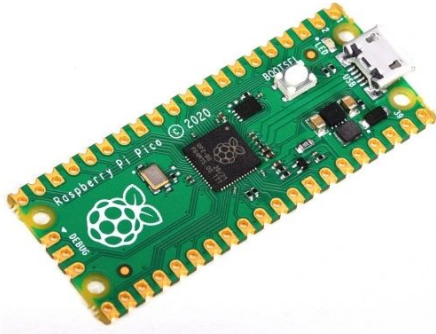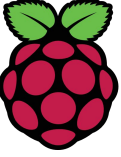# Embedded Systems

Course introduction

Basic information

- classes - 24h

- meetings - 6 x 4h

- laboratory - B109P (build. B)

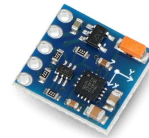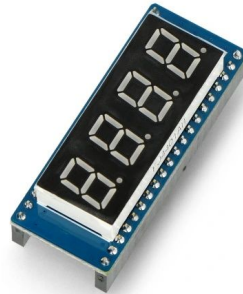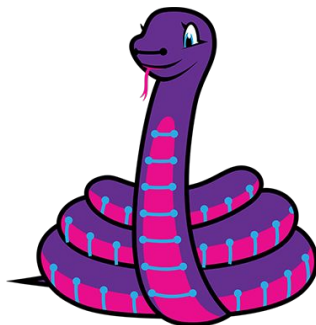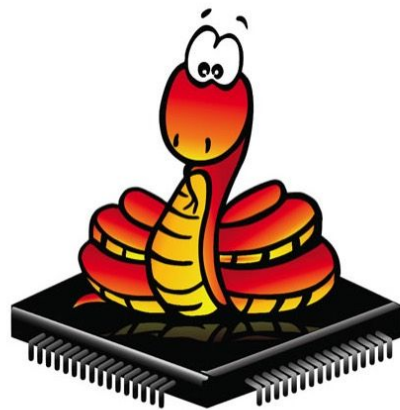- projects documentation - Google Docs

Hardware

Raspberry Pi
Pico

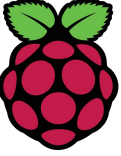Raspberry Pi
Pico W

Raspberry Pi 4B

Programming language

Timetable
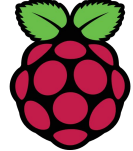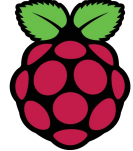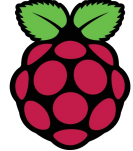
- **class #1** - Raspberry Pi Pico - General Purpose

  Inputs/Outputs

- **class #2** - Raspberry Pi Pico - Analog inputs

- **class #3** - Raspberry Pi Pico - PWM

Timetable

- **class #4 -** Raspberry Pi Pico - Interrupts

- **class #5** - Raspberry Pi Pico W - Communication

- **class #6** - Raspberry Pi - User interface

Grades - classroom path

- 3.5 - presented solutions for an unsolved task

  from every manual - class 1 to 4;

- 4.0 - presented solutions for an unsolved task

  from every manual - class 1 to 5;

- 5.0 - presented solutions for an unsolved task

  from every manual - class 1 to 6.

Grades - project path
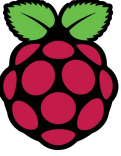
- individual project;

- deadline #1 - 30.04.2024 - UI design;

- deadline #2 - 29.06.2024 - project presentation;

- grade depends on quality of a presented solution

  and answers for questions about the solution.

Classes organization
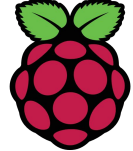
- **1st hour** - solutions presentation

- **2nd hour** - new topic introduction

- **3rd hour** - own work - time to solve tasks

- **4th hour** - own work - time to solve tasks