

ME-420

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Reconfigurable Robotics Laboratory

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Material Boxes

- **Electronic Kit**
 - ESP32
 - Breadboard, Motors (servo & DC), LCD display
 - Jumper Wires + Small electronic components (resistors, condensers, ...)
- **General Tools:**
 - Multimeter + Roll Meter
 - Pliers, String/Wire Cutters, Usual Cutters
 - Tape, glue, glue gun + 3 silicone tubes
- **Return Date: December 11th!** (Last class in person)
- **Choose a representative to get the Material Boxes**
 - The name will be written!

Ordering materials

- Groups are allotted a budget of **250 CHF**
- SPOT use (3D-Printing, assemblies, testing, etc)
- Ordering happens on three dates:
 - October 3rd
 - October 17th
 - November 14th
- Orders done via Google Sheets (Please also updates the SPOT cost here)

How to order

- Google Sheet order form will be sent out later
 - Orders due by 15:00 on the dates (strictly)
 - Will place orders that afternoon
- Will only process valid components
 - Parts *must* come from the previous suppliers
 - e.g., **digikkey.ch**, *not* digikkey.com
 - Part numbers must match their description or link
- Form will track budget for each group

Venders

- Orders must come from the following venders:
 - [Digikey.ch](https://www.digikey.ch)
 - (Electronic components)
 - (Mixed/specialty electronics, motors)
 - [mouser.ch](https://www.mouser.ch)
 - (Mixed/specialty electronics, motors)
 - [digitec.ch](https://www.digitec.ch) or [galaxus.ch](https://www.galaxus.ch)
 - (General components)
 - [distrelec.ch](https://www.distrelec.ch)
 - (Special Electronic components)
 - uk.misumi-ec.com/
 - (Materials)
 - [tme.eu](https://www.tme.eu)
 - (Electronic components, motors)
 - uk.rs-online.com
 - (Development shields and other components)

Shipping considerations

- Groups will be charged for shipping, unless:
 - Total from all groups over “Free shipping amount”
- Example:
 - Group 1 wants components from Mouser.ch, <54 CHF
 - Group 2 wants from Digikey.ch, <60 CHF
 - Group 1 changes their order to Digikey
 - The order is now over 60 CHF, and the shipping will be free for both groups
- Work with other groups!
- Note: Distrelec has free shipping to EPFL