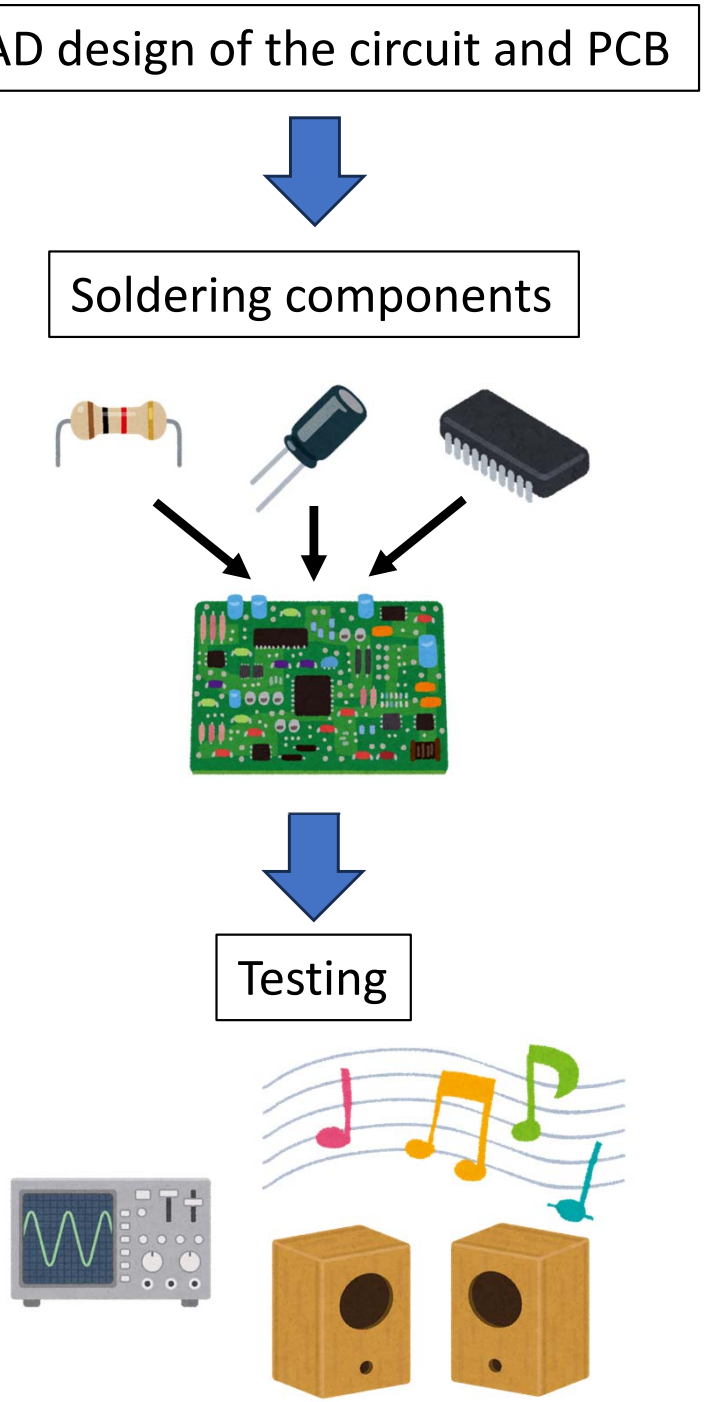
# Build your own analog circuits!

The ability to build your own electronic circuits for measurement and other purposes is extremely valuable in laboratories. In this course, you will learn the fundamentals of electronic components—especially operational amplifiers—and gain hands-on experience with the entire development process, from CAD design to soldering. As a practical project, you will create an audio circuit that removes vocal tracks from music, producing a karaoke-style instrumental output. Additionally, you will learn about 3D printing by designing and printing a custom enclosure to house your completed circuit.

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**Capacity** 4

**Time and place**
2nd semester, Tuesday, 16:20 – 17:50
EIPE Building 1 (D10), Room 552