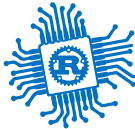# Introduction

Lecture 1

Welcome

to the *Internal Strcuture of Operating Systems* class

You will learn, understand and experiment

- learn how operating systems work

- understand how an embedded operating system works (Tock)

- understand how an a new generation research oriented operating system works (Redox OS)

- understand how a production grade operating system works (Linux)

- write code using the Rust language that boots a computer

- experiment with building your own small operating system

We expect

- to come to class

- ask a lot of questions

Team

Our team

Lectures

- Alexandru Radovici

Labs

- Teona Severin
- Vlad Bădoiu
- Alexandru Vochescu

Advisor

- Răzvan Deaconescu

Conclusion

we talked about

- How an OS internally works

- Tock

- Redox OS

- Linux

- Rust