

Embedded System Design and Modeling

Introduction

Organization

- ▶ 3 credits (?)
- ▶ Professors
 - ▶ Lectures: Nicolae Cleju
 - ▶ Applications: Nicolae Cleju
- ▶ Time schedule
 - ▶ 14h lectures, 14h labs, 14h project
 - ▶ 5 lectures x 3h, 5 labs x 3h, 4 weeks x 3h project
- ▶ My office hours: *To Be Announced* (best by appointment)

Evaluation

- ▶ Exam
 - ▶ 40% of final grade
 - ▶ Consists of both theory questions and exercises (e.g. 1 problem + a few theory questions)
- ▶ Laboratory
 - ▶ 20% of final grade
- ▶ Project
 - ▶ 40% of final grade
- ▶ Final grade = 40% Exam + 20% Lab + 40% Project

1. **Main reference:** “Introduction to Embedded Systems - A cyber-physical systems approach”, E.A.Lee and S.A. Seshia, MIT Press, 2nd Edition, 2017.
 - ▶ Available online at
<https://ptolemy.berkeley.edu/books/leeseshia/download.html>
2. “Embedded System Design”, Peter Marwedel, Springer, 2nd Edition, 2011.
3. “Managing Model-Based Design”, Roger Aarenstrup, The MathWorks, 2015.