

Systems and Control Theory

Master Degree Course in ELECTRONICS ENGINEERING

<http://www.dii.unimore.it/~lbiagiotti/SCT.html>

System and Control Theory: short course on Matlab/Simulink

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System and Control Theory

- **Schedule:**
 - 4 Mondays (September 30th, October 7th, 14th, 21th): 11:00-13:00, Lab. Canali
- **Office hours:** Monday 9.30-11.00 AM during the course period or send me a mail (**preferred!**)
- **Material:** Slides and practical exercises can be downloaded at <http://www.dii.unimore.it/~lbiagiotti/SCT.html>
- **Exam:** There is no assessment on this part BUT fundamental for project completion

Programme

- Summary of the lectures:
 - Matlab introduction
 - Variables definition
 - Basic commands and instructions
 - Introduction to programming in Matlab environment
 - Introduction to Simulink
 - Guidelines for the simulation of dynamic systems evolution with Matlab/Simulink
 - Simulation of state-space models
- The content of this course is based on:
 - Brian Hahn and Daniel T. Valentine, *Essential MATLAB for Engineers and Scientists*, Academic Press.

Obtaining Matlab

- MATLAB Campus Licence
- Download the software and license activation from site:

<https://it.mathworks.com/academia/tah-portal/universita-degli-studi-di-modena-e-reggio-emilia-40733060.html>

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Dove ti porteranno MATLAB e Simulink?

L'82% delle aziende di Fortune 100 utilizza MATLAB,
il che significa che potrai portare le tue idee al di fuori dell'aula per puntare sulle
nuove tecnologie e far progredire la tua carriera.

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System and Control Theory Introduction

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