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

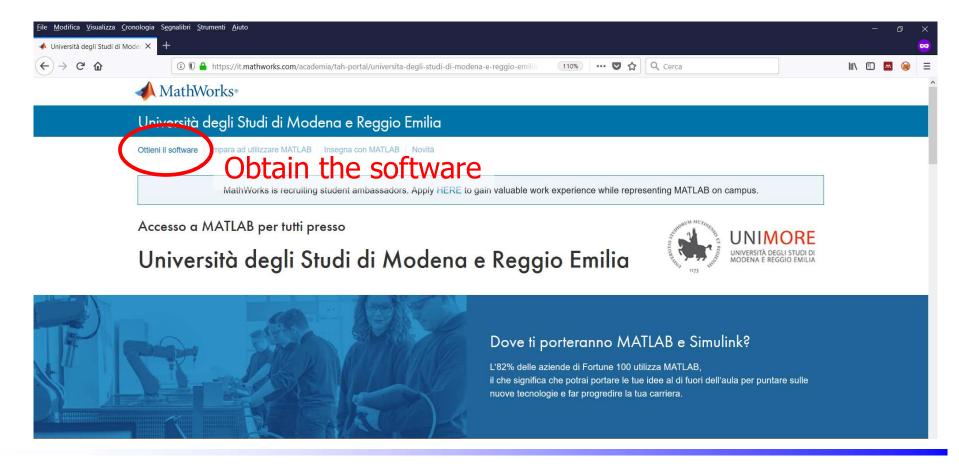- Exam: There is no assessment on this part BUT fundamental for project completion

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 dinamic 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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System and Control Theory
Introduction

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