Computer Programming

Alberto Casagrande Email: acasagrande@units.it

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Who am I?

Alberto Casagrande

E-mail: acasagrande@units.it

Office: Building H2-bis, 3rd floor, Room 330

Phone: 040 558 2620

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- what a programming language is how source code is related to applications some fundamental problem solving strategies few base notions on OS and sills
 - a quick presentation of Cit

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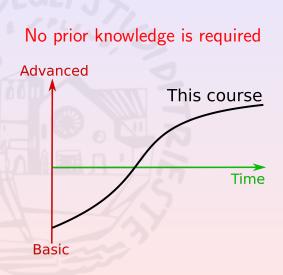
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We will see:

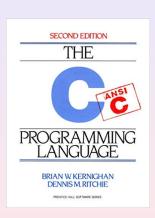
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Suggested Textbook

The C Programming Language (2nd Edition)
Kernighan, Ritchie
Prentice Hall



You can find many free books and tutorials on-line.

Course material

You can find it on Moodle as soon as released



How will we learn?

- Frontal lessons
 - Examples of code
- Exercises and homework (no evaluation

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When?

See a complete schedule of all the courses at

https://dssc.units.it/lecture-plan



Why learning computer programming?

- practice both analysis and formalization of complex problems
- perform tasks that are "hard" for human being (e.g., how many different ways to change 1M of euro in coins exist?)
- improve the efficiency of activities through automation (e.g., engine control)
- have fun (e.g, challenging friends for the shortest program that solves a given problem)

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- survive DSSC program
- . . .

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Programming languages are easier than Vietnamese, but still programming languages.

You have to exercise!!!

What about the exam?

Pre-courses do not have exams



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Many will come!!!

So, get ready as much as you can and exercise!!



Question time



Coming next...

- what are computers?
- what are programs?
- how computers do encode data and programs?
- what are programming languages?