Welcome to slabC


```c
#include <stdio.h>
int main()
{
	printf ("hello class\n");
	return 0;
}
```

Course Staff

Teacher: Dina Schneidman

TA: Yoni Sher

Course exercises coordinator: Omer Ben Haim

Course's email: labc@cs

Course's site: **www.cs.huji.ac.il/~labc**

Please don't send emails to our personal mailboxes.

This course

6 weeks of classes + TAs of C

+ 3 time consuming exercises.

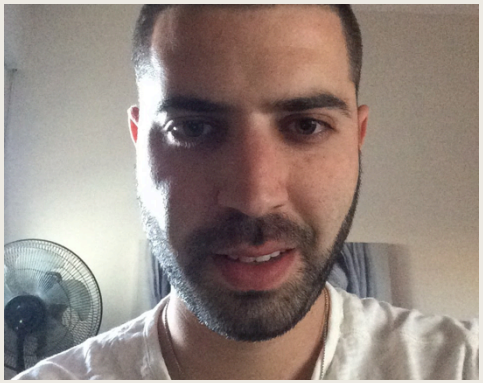
+ 3 not time consuming but important quizzes.

+ tons of FUN ☺

Lectures: Tue 12:00-14:00, Thu 15:00-16:00

TA : Wed 11:00-12:00, 18:00-19:00, Thu 16:00-17:00

Where can I get help?



Lab support: Tamir Nachum

- Monday - 13:30-19:30
- Tomorrow: 12:45-15:45
- published on course website

- **Forums (you must follow the News Forum)**
- **Reception hour:**
  - **Dina,** (B501) by appointment.
  - **Yoni**, Wed, 17:00-18:00 A201 and by appointment
  - Can be found on course website

Administration

Read and follow (on course web site):

- Course's guidelines:
  - Submission policy
  - Communication and news forum
  - Grading policy
- (Adapt to the) class' Coding style
- Weekly quizzes are short:
  - No late submissions/taking last year's.

Course Grading

- 3 theoretical exercises (quizzes) 3x2 = 6%
- 3 programming exercises 3x8 = 24%
- 2 online exams 2x35 = 70%

- You must have a pass grade (60) both in the exercises average, and in the online exams
- You must have a grade >= 20 in each exercise
- You must do all quizzes on time

Online exams

- This year the written exam will be replaced by two online exams (similar to the C++ online exam in the summer)
- There will be a re-take option (מועד ב') if you miss one
- The quizzes will most likely be on Sundays (Nov 12th, Dec 3rd) - 9:00 in the aquarium and will take 45 minutes
- You will be able to run the code that you write

(No) Plagiarism policy

- You may discuss your exercise with friends
  - Sharing screens while coding is NOT discussing
- You must not exchange any written material (or code) between students
  - Exception: It's OK to exchange tests
- You are not allowed to copy code from external resources

(No) Plagiarism policy

Assignments are to be done alone (no pair programming of any form) - at the end, it will only benefit you

If you'd like a high HW grade:

- ✓ Be honest
- ✓ Organize your time and start as early as possible
- ✓ Work where you're most efficient
- ✓ Read the instructions carefully before coding
- ✓ Use the forum if something is unclear
- ✓ **Pass the pre-submission script!**

If you'd like a high HW grade:

- ✓ Test your code, including edge cases
- ✓ Write tests and collaborate on tests
- ✓ Follow the coding standards guidelines

If you'd like a high exams grade:

- ✓ **Do** all exercises and quizzes by yourself
- ✓ **Explore** testing code snippets and try quiz questions with modifications
- ✓ **Understand** (not memories) slides
- ✓ Make sure you can **explain** every line in the reference card
- ✓ **Relax** :)

Course Objectives

Learn the unique features of C:

1. C as a procedural programming language
2. Pointers
3. Memory management

Course Objectives

Practice of programming:

- Style
- Modularity
- Testing & Debugging
- Efficiency & Portability

This course is not:

an introductory programming course

Why attend lectures and recitations?

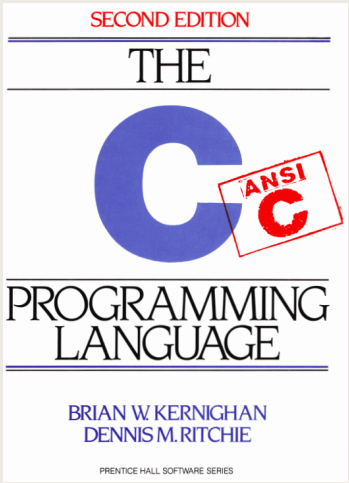
- ✓ it is the most **efficient way to learn** the material and get good grades
- ✓ You will **learn what you need** to know
- ✓ You will find out what you don't need to know
- ✓ You will be more prepared for homework and quizzes
- ✓ Lectures teach **concentration**
- ✓ Lectures are **more than slides**
- ✓ Lectures give you opportunities - **ask questions!**

Active Learning

Active learning is a form of learning in which students are involved in the activities, such as reading, writing, discussion, or problem solving that promote analysis, synthesis, and evaluation of class content.

Join room CLAB2017

Books & Other resource



Books

1. "The C Programming Language" , 2nd Edition,
   Brian W. Kernighan & Dennis M.Ritchie
2. "C in a Nutshell", 1st edition, Peter Prinz & Tony Crawford, O'reilly 2005.
3. "The Practice of Programming", Brian W. Kernighan & Rob Pike
4. "Programming Pearls" 2nd Edition, Jon Bentley

Web

1. Wikipedia, the article: C (programming language), to begin with is a nice reading.
2. MSDN
3. http://www.cplusplus.com/, http://en.cppreference.com/w/, and
   http://stackoverflow.com/

Working environments

Your exercises must compile and run on the school machines (aquarium)

Writing C code:

- IDE : such as Clion or Visual Studio (explore).
- Any text editor + Shell commands (for basics)

Working from home:

- http://wiki.cs.huji.ac.il/wiki/Connecting_from_outside
- SSH to CS's "river" server (**Only river**)
- You can install Linux on your personal computer.
- If you want to work on windows: use Visual Studio.
- CodeBlocks with some free compiler – http://www.codeblocks.org
- If you wish to practice code snippets: http://compileonline.com/