

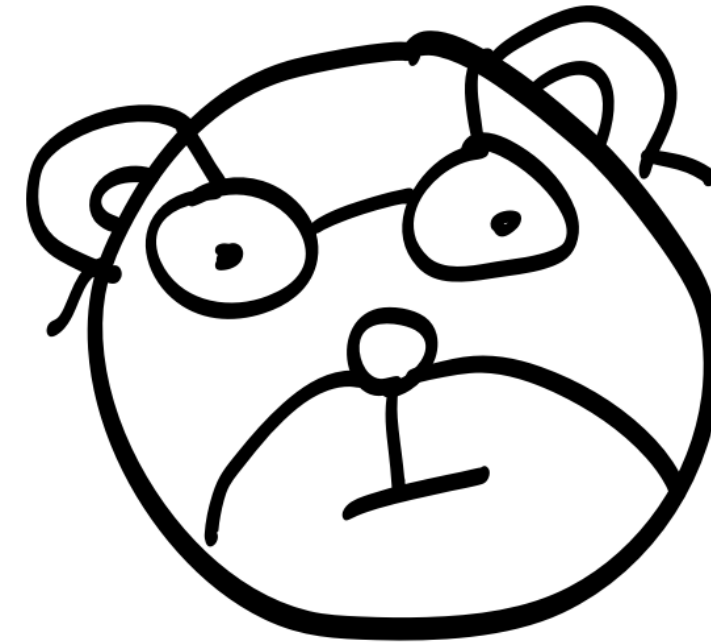
Lecture 01_{/16}:

Boot camp

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Sep 7, 2016



Hello!



Introduce myself / yourselves

Syllabus

For this semester run



Summary

- 16 weeks
- 1 hour lecture + 1.5 hours. Lab.
- One Exam (mid-term)
- One project (final)

	%
Attendance	35
Assignments	25
Project	25
Mid-term	15

Attendance check

- -5% for each absent
 - 7 times absent = 35% of total grade score
 - However, to take mid-term and final, you should attend at least 11 lectures
 - Univ. law (min. 66.7% of total lectures to take exams.)
- Exceptions
 - Military service / governmental duties (*certificate needed*)
 - Death of grandparents / spouse / children (*certificate needed*)
 - Absent by menstruation (*application needed*)

First

1	Topic	Introduction to Open-source
	Activities	* Definition of open-source, F/OSS. * ZeroMQ as an example * Basics to submit assignments
2	Topic	History, culture and community of open-source
	Activities	* History of open-source software activities * Learn by run: making course community structure
3	Topic	Fundamental parts of open-source projects
	Activities	* Development procedure / project setup / writing structure / documents * Learn by run: setup using github
4	Topic	OSS License and documentation
	Activities	* Point out various OSS Licenses / Issues and lawsuits around OSS License
5	Topic	Version Control System with github
	Activities	* Version control system (with git) * Learn by run: making git repository
6	Topic	Version Control System with github
	Activities	* Learn by run: making personal page with github.io / gist
7	Topic	Communications in open-source developments
	Activities	* Mailing list / forum / IRC * Learn by run: working with IRC chat
8	Topic	Mid-term exam.
	Activities	Not hard, not easy. You can also google for answers during exam.

Second

9	Topic	Setting up term projects
	Activities	Term project how to / teaming-up or standalone? / Various ways to be part of
10	Topic	Special Lecture #1 : Open-source in reality
	Activities	Invited talks (global open-source developer) / Enterprise career with open-source experience
11	Topic	Open-source program development (1)
	Activities	Collaboration / documentation / wikidocs / reStructuredText
12	Topic	Open-source program development (2)
	Activities	patch / pull request / discussion
13	Topic	Open-source hardware
	Activities	* Open-source hardware history * Open-source hardware projects * Learn by run: Physical world interaction with arduino basics
14	Topic	Open-source in research field
	Activities	* Open-source softwares in research field * Learn by run: statistics with open-data and open-source
15	Topic	Special Lecture #2 : Deep-learning with open-source
	Activities	Invited talks (deep-learning specialist / open-source developer)
16	Topic	Final project demonstration / presentation
	Activities	* Problem-solving process

Assignments

- One for each lecture
- 10 times (or less)
- Strongly related to personal / team
- Exceptions
 - Today, pre-mid-term, pre-final, final, two special invited talks

Mid-term

- Open-ended questions
- Github related task submission
- You can use everything including Google
 - But you will not have enough time...
- Total score: 300 / maximum score : 100

Projects

- Consists of assignments + finals
- Projects will be individually / independently scored

Learn by run: lecture 01

- Register the interactive course page
 - <https://www.codeonweb.com/course/@oss-basics-hu>
 - <https://www.codeonweb.com/circle/@oss-basics-hu>
- Watch “Revolution OS” (2001)
- Create github account

Topic: Peter Hintgens

- Creator of ZeroMQ
- And he is dying
 - <http://hintjens.com/blog:115>
- Long story short: Life is too short to develop dying pieces



Team by your interest

- Let's organize your open-source team!
- Interests / Skills
- Interests
 - Desktop / Web / Android / etc.
- Skills
 - Programming language /
- Minimum: 1 / maximum: 3

<https://goo.gl/forms/hIquDt2BcIJPckAn1>

“First with the head, then with the heart.”

–Bryce Courtenay's *The Power of One*



Next is...

2_{/16}: History, culture and community

@inureyes

Questions? inureyes@gmail.com

OR

<https://www.codeonweb.com/circle/@oss-basics-hu>

