

# Open-source development

PB173/oss, spring 2021

[https://github.com/crocs-muni/  
open-source-development-course](https://github.com/crocs-muni/open-source-development-course)




Course goal:

Encourage, **learn** and **do** real-world  
open-source development





# Course structure

1. Coding open-source
  2. Six guest lectures
  3. Four student sessions
  4. Three homework assignments
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# Requirements

1. Open-source coding  
(50—60 hours, time tracking, expected contribution)
2. Completing three homework assignments
3. Three short presentations (status update)
4. Lecture attendance



# Course info (lectures, assignments)

[github.com/crocs-muni/open-source-development-course](https://github.com/crocs-muni/open-source-development-course)

(link in IS and email)






# Choosing a project

What project qualifies?

(any language, sizeable, active, new to you)

Project selection needs to be approved!



(Email us till the end of 2nd week, ideally sooner.)

# Red Hat open-source contest

Possibility to join and win.

<https://research.redhat.com/red-hat-open-source-contest/>

Contest tasks pre-approved for PB173/oss.

**NOT THIS SEMMESTER :-|**





# Project inspiration

PC software you actually use

Mobile apps you use

[Awesome First PR Opportunities](#)

[Up for grabs](#)

[GitHub explore](#)





# What is your favorite open source project?

(DevConf 2021 survey)

Code, Quarkus, Tensorflow, django, kubernetes, atom, Wildfly, Emacs, Hyperledger, Google Brain, sakara, sakai, Foreman, Qiskit, Tor Project, Maven, Ripper, JHipster, Pig, Python, 389-ds, ...

# What open source software did you use in college?

(DevConf 2021 survey)

Fedora, Linux, tor, wireshark, git, gcc, python, vim, emacs, g++, go, golang,  
libreoffice, OpenOffice, Ansible, Fedora, Debian, Firefox, Blender, GIMP,  
mutt, newsboat, Maven, Java, Python, Wordpress, ...

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# Project liveness check

Commit activity

(latest commit, frequency, number of contributors)

Issues & pull requests

(amount open/closed, recency, labeling,  
responsiveness, style of reactions)

# Questions?

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(Try to think of a project here and now.)