Hacking in C
General information about this course

Radboud University, Nijmegen, The Netherlands

Spring 2019

Teachers

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About this course

- Lecture: Tuesday, 10:30–12:30 in CC2
- Exercise class: Thursday, 10:30–12:30 in **HG00.075**, **HG00.029** and HG00.625
- Exam on Friday, March 29, 8:30–10:30 in Hal 2
- Exam grade is your final grade for this course
- 3 EC points
- Website: https://cryptojedi.org/peter/teaching/hacking-in-c-2019.shtml

Homework

- Homework assignments will be online (at the latest) Thursday morning
- Homework assignments are typically due Thursday (one week later) by 23:59 (sharp!)
- Homework submission through Brightspace only
- Homework submission in **groups of 2**
- Grading of homework in **insufficient**, **sufficient**, **good**, and **FAIL**
- Grading has no effect on final grade, but:

    More than one FAIL and you're not admitted to the exam!

Homework environment

- Programming under Linux
- Programming in C, not C++
- No IDE, just editor, compiler and other command-line tools
- All tools installed on desktop computers of FNWI
- For your laptops: consider installing Linux

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- For your laptops: consider installing Linux
- At first this may seem clumsy
- You will (hopefully) quickly learn that the environment is extremely powerful and flexible

"Will we learn hacking in this course?"

hacker: n.

[originally, someone who makes furniture with an axe]

1. A person who enjoys exploring the details of programmable systems and how to stretch their capabilities, as opposed to most users, who prefer to learn only the minimum necessary. RFC1392, the Internet Users' Glossary, usefully amplifies this as: A person who delights in having an intimate understanding of the internal workings of a system, computers and computer networks in particular.

2. One who programs enthusiastically (even obsessively) or who enjoys programming rather than just theorizing about programming.

3. A person capable of appreciating hack value.

4. A person who is good at programming quickly.

http://www.catb.org/jargon/html/H/hacker.html

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5. An expert at a particular program, or one who frequently does work using it or on it; as in 'a Unix hacker'. (Definitions 1 through 5 are correlated, and people who fit them congregate.)

6. An expert or enthusiast of any kind. One might be an astronomy hacker, for example.

7. One who enjoys the intellectual challenge of creatively overcoming or circumventing limitations.

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8. [deprecated] A malicious meddler who tries to discover sensitive information by poking around. Hence password hacker, network hacker. The correct term for this sense is cracker.

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Course schedule overview

Date	Lecture/Tutorial	Start	Deadline
Jan 29	Lecture		
Jan 31	Exercise class	Homework 1	
Feb 5	Lecture		
Feb 7	Exercise class	Homework 2	Homework 1
Feb 12	Lecture		
Feb 14	Exercise class	Homework 3	Homework 2
Feb 19	Lecture		
Feb 21	Exercise class	Homework 4	Homework 3
Feb 26	Lecture		
Feb 28	Exercise class	Homework 5	Homework 4
Mar 5	— (Carnival)		
Mar 7	Exercise class		
Mar 12	Lecture		
Mar 14	Exercise class		Homework 5
Mar 21	Presentation last HW		
Mar 29	Exam		