

# Hacking in C

General information about this course

Radboud University, Nijmegen, The Netherlands



Spring 2018

# Teachers

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## About this course

- ▶ Lecture (hoorcollege): Tuesday, 10:30–12:30 in HG00.304
- ▶ Exercise class (werkcollege): Thursday, 10:30–12:30 in **HG00.075** and HG00.137
- ▶ Exam on Thursday, April 12, 8:30–10:30 in LIN 2
- ▶ Exam grade is your final grade for this course
- ▶ 3 EC points
- ▶ Website:  
<https://cryptojedi.org/peter/teaching/hackinginc-2018.shtml>
- ▶ Language of the lectures: English

# Homework

- ▶ Homework assignments will be online (at the latest) Thursday morning
- ▶ Homework assignments are typically due Thursday (one week later) by midnight (sharp!)
- ▶ Homework submission through Blackboard
- ▶ Homework submission in groups of 2
- ▶ Grading of homework in **g**, **v**, **o**, and **NSI**
- ▶ Grading has no effect on final grade, but:

**More than one NSI 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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- ▶ No IDE, just editor, compiler and other command-line tools
- ▶ All tools installed on desktop computers of FNWI
- ▶ 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
Feb 6	Lecture		
Feb 8	Werkcollege	Homework 1	
Feb 13	— (Carnival)		
Feb 15	Werkcollege		
Feb 20	Lecture (Carlo)		
Feb 22	Werkcollege	Homework 2	Homework 1
Feb 27	Lecture		
Mar 1	Werkcollege	Homework 3	Homework 2
Mar 6	Lecture		
Mar 8	Werkcollege	Homework 4	Homework 3
Mar 13	Lecture		
Mar 15	Werkcollege	Homework 5	Homework 4
Mar 20	Lecture (Carlo)		
Mar 22	Werkcollege		
Mar 27	Lecture		
Mar 28			Homework 5
Mar 29	Werkcollege (+Q&A)		
Apr 12	Exam		