

IERG 4130 - Introduction to Cyber Security (2022 Fall)

Assignment and Lab General Guidelines

Revision History

v1.0 Sep. 6. 2022

Create and release this document.

Description

The assignments and lab tasks are designed to let students review and practice what they have learned in this course. Most contents will be based on SEED Lab - Hands-On Labs for Security Education (<https://seedsecuritylabs.org/>). There will be 2 labs and 3 assignments in total. Each lab/assignment may have extra tasks or questions, which serves as a bonus for undergraduate students (The bonus will be added to the assignment grade without exceeding the full mark). Students should finish the labs/assignments individually.

Tentative Schedule

Note: The following schedule is subject to change.

	Release Date	Topic	Due Date
Asg 1	Sep. 20	Software Security	Oct. 6
Lab 1	Sep. 20	Software Security	Oct. 27
Asg 2	Oct. 11	Cryptography	Oct. 27
Asg 3	Nov. 1	Network&Web Security	Nov. 22
Lab 2	Nov. 1	Network&Web Security	Dec. 1

Lab Environment Setup

(Reference: https://seedsecuritylabs.org/lab_env.html)

All the lab tasks can be done on a personal laptop. Students should download a pre-built Virtual Machine Image and install it on VirtualBox or VMWare as the lab environment. All the software used in the lab is open-source and free.

We have uploaded the following files (except for VM image) to Blackboard. Students can also download them from SEED Labs website. (Note: we will use Ubuntu 16.04 version)

- *VM image download:* [SEEDUbuntu-16.04-32bit.zip](#)
- *Instructions of configuring VM on VirtualBox:* [SEEDVM_VirtualBoxManual.pdf](#)
- *User Manual:* [Ubuntu16_04_VM_Manual.pdf](#)

Includes the account and password information, list of software and servers installed, and configuration.

Submission Policy

Students are required to submit their works (in PDF format) to the course BlackBoard. Each assignment/lab has a firm submission deadline.

- *Assignment Submission* - Please write down and submit the detailed answers in a PDF file.
- *Lab Submission* - Please submit a detailed lab report (a PDF file) including screenshots, code snippets (if any), necessary explanation, etc. (refer to lab specification)
- *Late Submission Penalty* - Late submission will be penalized by mark deduction of $(10\% \times n)$, where n is the round-up number of days delayed (e.g. 9 hrs late \rightarrow 10%, 25 hrs late \rightarrow 20%, 49 hrs late \rightarrow 30%, and so forth).

Honesty in Academic Work

CUHK places very high importance on honesty in academic work submitted by students, and adopts a policy of *zero tolerance* on cheating in examinations and plagiarism. Students are NOT allowed to submit anything that is plagiarised. Therefore, we treat every assignment our students submit as original except for source material explicitly acknowledged. We trust that students acknowledge and are aware of University policy and regulations on honesty in academic work, and of the disciplinary guidelines and procedures applicable to breaches of such policy and regulations, as contained on the website <http://www.cuhk.edu.hk/policy/academichonesty/>.