

23VT-2DV702 - Internet Security

Introduction to Practical Work



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I. LAB SETUP

This is a first step guide to get acquainted with the laboratory work for the Internet Security course. We will present four assignments for the course, where help and hints are provided to solve various tasks. The lab tutoring will be given twice a week in one-hour sessions each time, where the assignment is first presented together with some programs/tools needed for solving it. The remaining time will be used for you to ask questions and to get help if needed.

You are expected to read the lab material and start to work on the tasks BEFORE the lab is presented. Each assignment will therefore be available a couple of days in advance in MyMoodle. By being prepared, you have a better understanding and can ask the right questions to get the work done faster. Most of the assignments are done individually and we expect individual solutions from everyone in this case. Any attempt of cheating or copying will be reported. Remember that we are there to help you, just ask! Other times, you need to collaborate with another student, where you work together on lab solutions. You still must submit individual reports, written independently.

Attending the FIRST lab session is mandatory as well as every assignment introduction session. This is the way for you to get registered for the practical work and a way for us to see how many students are actively participating in the course. **The first lab session is on Tuesday the 4th of April, between 15:15-17:00.** Please be on time!

Attending the subsequent lab sessions, whether in classrooms or online, is NOT mandatory. If you have read the lab material and know exactly how to solve the tasks, the only thing you need to do is to hand in your assignment report on time. However, taking part in the lab sessions presenting the assignments is mandatory, to get a clear idea of how to work with the tasks. The remaining lab slots are mainly used to give extra support if needed. Questions to the instructor are asked during the lab sessions. There is also a forum on *Slack* where you can get some help from the instructor and your fellow students (no solutions may be given here of course).

• GRADING & DEADLINES

The grades that can be obtained for the laboratory work are in the band A-F, with “A” being the top grade. A good grade for the practical work will affect and improve your total grade for the course.

Please note that deadlines are firm! The system will not accept your submission after the time of hand-in has passed. If you have problems meeting the deadline, a valid reason needs to be given to your instructor BEFORE the date of hand-in.

• REPORT TEMPLATE

A template for the report in OpenDocument Text (.odt) and LaTeX format will be available for you to use, which can be found on MyMoodle, containing a front-page and a predefined font size/style. You must use this template to write the report as this is the only acceptable format. When you are done, convert your report to a .pdf file format and name it with your details as *Firstname_Lastname_Assign#.pdf*, e.g., “*Harald_Gormsson_Assign1*”. Do not change the font style/size; instead, focus on the content of your report. Also, do not forget to add your name and student ID to the front-page. The report should describe how you solved each task and answer any of the questions in the assignment, if present. **No task should be left empty.**

Sometimes, you may need to use references to support what you are explaining. We expect you to use the example style for your references, which is described in the lab template. For example, you state that:

nmap is a popular tool used by network administrators for security auditing [1].

Your bibliography at the end of the report will subsequently contain a list with your used references. The information to be included in a reference are generally as, Author, Year, Title, URL (if online), Access date (if online). Again, to give an example, the source for the above sentence marked with [1] is written as:

[1] Gordon Lyon, “*Nmap Security Scanner*”, <https://nmap.org>. [Accessed: 2013-08-08]

This is a rather simplified form of IEEE styling. In case you are interested, further information regarding IEEE referencing style is available [here](#) and [here](#). Remember that it is never allowed to copy a sentence straight from any source unless you use quotation marks. The best way is to simply read the information from the webpage/book/article and formulate your own sentence as you have read and understood the information.

• ASSIGNMENT RULES

To avoid redoing your assignments follow these guidelines:

- **None of the tasks should be left empty.** All students are required to try to solve every task. Even if the task was not in the form of a question, you need to explain what you have done for it, and which steps you have taken.
- **Do not repeat the assignment requests and questions in the report.**
- For every report that can be done in group, only one of the group members should submit.
- Every report that specifies a maximum amount of pages refers to the content, therefore excluding TOC, bibliography and cover.
- You are required to use the given report template for each assignment and write in proper English.
- Every report that requires it, needs to have a *Setup premises* section and always a *Bibliography*, on a separate page. You will use many resources and your report should reflect this by means of a bibliography and necessary referencing within the text.
- Every report needs a cover page as provided in the relevant report templates, including all given details.
- Upon missing a deadline, or failing an assignment, you will be able to submit your report or corrections, on the next available resubmission date. Submissions are not accepted via email, or any other medium.
- If you are not able to attend a mandatory activity, inform your instructor well in advance and explain the reason.
- Do not copy the text from the tasks, or questions in your report. Just include your solutions. Make sure to structure your report the same as task numbers.
- Add a few screenshots throughout your reports to support your solutions when necessary. Make sure to check the final report file for legibility of these screenshots.
- Use your full name when attending online lectures, or in any other course related activity. Avoid using nicknames, or just your first name.
- Make sure to follow the introduced naming conventions for your files, emails, and other particulars.
- You are not allowed to share solutions, or answers to questions included in tasks. Also, when asking questions from your classmates, you should not use course related platforms as a search engine for solutions. What you are allowed and encouraged to do is to share ideas or discuss high-level approaches.
- Follow the given page count limits for assignments. The page count limit applies to content, i.e., everything except the cover page. Bibliography is considered as content.
- **Posting any course material on the Internet, social media, blogs, etc., will be considered as plagiarism!** LNU provides multiple ways for collaboration and storage of files.

• LATE SUBMISSIONS/RESUBMISSIONS

Resubmission periods will take place after the end of the course and will be announced accordingly through the course page. For each resubmission, whether it is the second chance or the third, you will be able to upload your reports the same way as before. There will be new links available for these. The same assignment rules as Section IV also apply for these submissions. Additionally:

- You are not allowed to submit for retakes if you already have a passing grade.
- You are expected to address all issues from previously failed submission, based on the received feedback.
- The second and the third submission rounds are usually held in June and August, respectively. These dates are only indicative and could change.
- You can use the same report templates as before.

You are required to make certain considerations for your resubmissions. Follow the below points for correct grading of your reports:

- For retakes of failed assignments during the second submission round, text added as corrections to incorrect answers, missing solutions, or basically any change, should be typed in **BLUE** colour.
- During the third submission round, text added as corrections to incorrect answers, missing solutions, or basically any change, should be typed in **ORANGE** colour.
- Late submissions of full reports (if you have missed the earlier submission) in these periods, can be written in regular **BLACK** text colour.

Good luck!