

TTM4137 Wireless Security
Framework for Technical Essay

Department of Telematics, NTNU, September 1, 2011

This assignment is a mandatory part of the course. The purpose of this exercise is to encourage information security thinking by independent examination of one specific topic in depth.

An essay introduction lecture will take place on **Tuesday 06/09, 14:15–15:00** in EL3 Elektro building. Submit your essay title and description proposal via It's learning as soon as possible, and within **Sunday 23/10**. The course staff will approve or revise the title continuously, and within **Friday 28/10**. The technical essay is to be submitted via It's learning within **Sunday 13/11**.

Title Each student will propose a distinct essay title. You are encouraged to create your own topic and title. The topic should not be directly from the lectured syllabus, but within the field of the wireless security. Your essay should take on a challenge or questions that you are curious about and will try to answer. Take a look at examples of successful essays that have been submitted in this course. If you are stuck, talk to the course staff.

Format The whole document must be limited to 3 A4 pages, not more nor less. You must use the L^AT_EX template provided. The submitted file format must be pdf.

You can use your favorite L^AT_EX compiler or download PCTeX from the web (see the following links):

<http://www.ntnu.edu/adm/it/helpdesk/software/distribution>
<http://www.ntnu.no/adm/it/brukerstotte/programvare/pctex>
<http://www.ntnu.no/itinfo/programvare/tekstbehandling/latex.html>

Structure The text should be at least structured with an introduction, a problem discussion and a conclusion. Furthermore, you can find a guide to structuring your work [1].

Style The essay must be written in Norwegian or English. Check for spelling errors and unreadable language before you submit, there must be none of the sort in a three pager.

The text should be intelligible, logical, interesting and easy to read. Write to your fellow students, and assume that the reader has the same general theoretical background as yourself. Use definitions, facts and logical argumentation. Your essay will be automatically checked for plagiarism by It's learning, and the results will be reported to the evaluators. Cooperation with others is good, but copying is bad. You should not copy from others without using proper references and citations where applicable [2].

Interpret and refine the title, discuss the problem and intended scope in your introduction. In the text, do not introduce facts that are not analysed later or that are not relevant to your problem. Bring your own analysis and thinking into the essay if you want a good grade. If you can, bring in new ideas. When you include tables or figures, they should be referred to and explained in the text.

It is important to have a good and relevant reference list when writing a technical text. We recommend that you choose references to published articles and books. When you find information on the Web, be careful about its quality.

Evaluation The essay will be graded and count as 20% of the total grade for the course. Feedback and comments to your technical essay will be given via It's learning. The evaluation criteria are:

- Format as required.
- Presence of figures or tables when appropriate.
- Structure (logical sectioning).
- The text is complementary to the lectured material.
- Discussion of the title, the problem and the scope in the introduction.
- Clarity, consistency and completeness of the content in relation with the title and the scope.
- Accuracy of definitions, facts and statements.
- Logic in arguments and discussion.
- Present your own analysis.
- Depth of your understanding of the discussed material.
- Quality of references.
- Potential for the best essay publication.

Honors The two best essays will be honoured with publication to the class and at It's learning, and with diplomas. These essays will be edited if necessary and become part of the syllabus.

References

- [1] Esther Daborn and Bill Guariento. Writing an E.E.E. technical essay. http://www.elec.gla.ac.uk/Student_info_page/EEE5/Index.htm, visited 29/08/2011
- [2] Citation. <http://en.wikipedia.org/wiki/Citation>, visited 29/08/2011