



What skills should the MSc thesis show?

Ability to manage a large theme systematically, with a defined goal and valuation scheme in mind

Independent work

Research steps

Learning of the topic (search of information, critical

Formation of a research question (single line focus)

Solution construction and evaluation

Coherent and complete written report (precise scientific argumentation and ease of understanding)



What types of MSc theses there are?

Surveys

Collection and critical evaluation of related works

Explorations

Empirical approach, evaluation, construction of recommendations

Designs

Small survey of related domains, combination of the findings to a design of a system, potentially construction, evaluation of the design $\,$

Always base your knowledge on articles published on scientific forums



Scientific publications after graduation

- Journal articles
- Conference or workshop papers
- (Technical reports)
- PhD studies require some number of scientific publications to be done during the studies
- These will form the core of the thesis



Publication process

- Different publishing schedules
 - Journal articles: several years from a manuscript to a published version
 - Conference or workshop articles: from few months to a year
- Different peer-reviewing processes
 - Level of refereeing (confidence on evaluation)
 - Journal, conference and workshop articles: reviewed by several objective referees
 - Technical reports and manuscripts: no peer review
 - At best, valuable feedback for authors



Publication forum

- Intended publication forum may influence the contents and form of the text
 - · Length of the text
 - Lavout and structure of the text
 - Approach/perspective to be taken: theoretical or
- Authors should also take into account
 - the readers of the forum and their background knowledge
 - · relevant work published on the same forum



Questions and feedback session

- · Now is your last chance to get answers to any unclear issues!
- Feedback: How to improve the course
- Remember to fill the feedback form for this course and all other courses as well - For every course during your studies!



Internship 2014

(Use career services offered by Univ.)

- Your own responsibility not organised by dept
- HIIT&dept offer some positions
- application-based
- Companies announce positions, but accept open applications also
 - · Helsingin sanomat (may be)
 - oikotia f
 - via personal connections
 - tko-äly rekry mailing list
- bulletin board at department

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- General information
 - · guidetoworkinginfinland.fi
- www.mol.fi/mol/en/index.jsp
- www.tek.fi (Harjoittelupalkkasuositukset)
- Unemployment funding requires voluntary membership in union or unemployment cash

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Course exams and separate exams

Examination sessions:

- start sharp at the hour
- no bags near your
- turn of your mobile phone and put it in bag

You may have with you:

- pencils and rubber (and/or pens)
- small amount of snacks
- ID card (student ID is not official, but might be accepted)

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Course exams and separate exams

Normally answers written to a 'concept paper' (folded A3-paper with grid)

- -write name, student number, date, course name and your signature on every paper
- Start filling the folded paper as if it was a course book. (So first the cover, then turn open to left and fill left side, right side and finally the back cover)
- -You can use multiple papers if necessary

-(On some courses, you might be asked to give answers to each question on separate sheet)

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Answering

- -Not just overview, but justifications and reasoning also
- Ofter questions require applying the knowledge, not just repeating
- Most courses: exercises give hints on the key points on the course
- A single right answer might not give you full points, if you have not explained how you reached the answer

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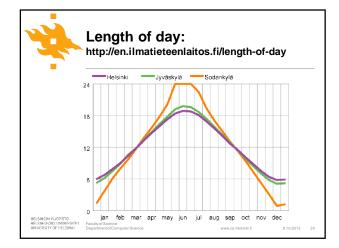
Preparing for exam

- Do the weekly exercises and relate them to the study goals of the course
- Understand the course content, both details and the 'big picture' memorising is not enough for a master's
- Study the slides and the exercise questions
- read and learn the book (but not just memorizing!)
- When available look at the older exams

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Finnish Winter is coming

- October: A lot of rain, first snowstorms, no snow cover, but can be
- November: Very short days and cloud cover, a lot of rain or snow, or wet snow, or... usually in Helsinki no snow cover or wet snow, or...
- December: Verv. verv short days, snow or wet snow, snow cover in Finland, might be also in Helsinki/Espoo
- January: Days slightly longer, snow cover in Helsinki also. Gulf of
- February: Nice winter days, sun shine and blue sky, maybe skating above sea
- March: Nice winter days. The snow starts melting
- April: Davs longer than night. Snow melts, still some snowstorms
- May: Long days, no snow, green trees and grass



Oral presentation

- Prepare
- · Clear goal and message
- Not everything in the paper to the presentation
- Focus on key points
- Make transparencies or some other visual support



Oral presentation: Transparencies

key words, no sentences, mistsakes

Figures, pictures

Tables, lists

Numbers (used in the presentation)

Examples

Do not overfill one page

Avoid too small font size (this is 14). this is 18, this is 24, this is 12



Font size

32 points : automatically offered by PowerPoint

28 points

24 points: smallest useable in Auditorium

20 points

18 points: smallest useable in any presentation (occasionally too

small) 16 points

14 points

10 points: A bit small even for printed res



Slide layout

Please, try to avoid full written sentences. They make the work for the audience very difficult. There is no time to follow the speech, because all the time and concentration goes to reading the slide.

This becomes even worse, if the presentation is directly read from the transparencies. There is no point in listening anymor Also, the presenter eagerly uses very complex sentences that try to cover in one extreamly long sentence most of the terial without loosing any details and facts.



Example: Portable and handheld devices in a distributed system

Devices

Mobile phone

Laptop Camera

Connection points

WAP WLAN

USB Intranet, Internet How to clarify?

Figure!

