



# How Theses Get Written: Some Hot Tips

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# Outline

## → Part 1: Writing your thesis

- (1) Context: What is a thesis (for)?
- (2) How Do I Get Started?
- (3) What Should My Thesis Contain?
- (4) How Do I Get Finished?
- (5) Summary

## → Part 2: The Examiner's View

- (1) Oh God, not another thesis to read...
- (2) What's this one about?
- (3) Now there must be some corrections...
- (4) Let's see, what can I ask the candidate?



# What is a thesis?

- An argument
- An exposition of an original piece of work
- The product of an apprenticeship
- Probably the largest (most self-indulgent) piece of work you'll ever do
- Something that could be published:
  - ↪ at least one paper in a scholarly journal
  - ↪ but you will probably never publish the whole thesis

*"A thesis for the PhD must form a distinctive contribution to the knowledge of the subject and afford evidence of originality shown by the discovery of new facts and/or by the exercise of independent critical power."  
(University of London regulations)*



# Examination Issues

→ **Your examiners need to appreciate your research:**

- ↪ Choose your examiners well
- ↪ Target your thesis at them
- ↪ Keep abreast of their work

→ **Your examiners need to be told about your research:**

- ↪ If it's not in your thesis, they won't find out about it
- ↪ No matter how good your research is, you need to write a good thesis



# How do I get started?

→ Do this **today**:

- ↪ Decide your title
- ↪ Write your title page
- ↪ Start a file
- ↪ (Look at some theses in your area)
- ↪ Plan your argument

*I do really mean today.  
Before you go to bed tonight.  
Tomorrow is too late!*

→ You can change things later

- ↪ But you can't change it unless you have something to change!



# Plan Your Argument

1 sentence for each:	Example
<i>Introduction (area of study)</i>	“A Ph.D. is examined by submission of a thesis...
<i>The problem (that I tackle)</i>	“Many students fail to complete their theses within the regulation four years...
<i>What the literature says about this problem</i>	“Empirical studies indicate that late submission is highly correlated with delaying the start of the write-up...
<i>How I tackle this problem</i>	“A model of PhD study that encourages an early start to the thesis writing task is clearly desirable...
<i>How I implement my solution</i>	“Such a model encourages the student to plan a structure for the thesis and collect material for each chapter throughout their study...
<i>The result</i>	“Application of this model dramatically improves submission rates.”



# Plan your thesis

## → Convert this argument into a chapter outline

- ↪ At least one chapter per sentence
  - ...maybe more than one for some sentences

## → Start a file with a division for each chapter

- ↪ Collect material in this file
- ↪ Set out clearly what each chapter should say

## → Don't be afraid to change your mind

- ↪ As you write the thesis, your ideas will evolve
- ↪ Don't wait for them to stop evolving:
  - It's much easier to change an outline that you've written down than one you haven't.



# What the thesis should contain

**Title (and title page)** - conveys a message

**Abstract** - for the librarian

**Contents Listing** - shows the right things are there

**Acknowledgements** - get your supervisor on your side!

**Introduction** - says "I am going to look at the following things".

**Review of Previous Work** - show you know the subject

**Philosophy of Approach** - no great detail

**Plan of Attack** - a bit more specific

**Description of the work**

**Critical analysis of the results** - show you know its limitations

**Future Work** - show you know what's missing

**Conclusions** - repetition of the intro, but with reference to the detail.

**References** - Cover the field; examiners will look for the key references

**Appendices** - Nitty Gritty details that would clutter your eloquent description





# Say everything thrice

→ In the thesis as a whole:

What the thesis will say (Introduction)	Details of the work (Body)	What the thesis said (Conclusion)
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→ Within each chapter / section

What this section says (Signposting)	The details (Body)	What this section said (Summary)
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→ Within each paragraph...

- ↪ Each paragraph describes a single idea
- ↪ The first sentence introduces the idea (linking it with the previous one)
- ↪ The last sentence concludes the idea (linking it with the next one)

→ But it's not just repetition, it's linking and rationale.



# Bibliography

## → Keep a database of complete references

↪ Use a consistent citation style

↪ Use a tool

➤ Bibtex, Refer, Endnote, ProCite, or whatever.

↪ Attention to detail is important

➤ Get the spellings right

↪ Keep complete references

➤ page numbers, volume numbers, editors names, locations and dates for conference proceedings, etc.

## → Find out what the local rules are for citation style

↪ If there are no local rules, use [Name, Year] format

➤ This improves readability by saving the reader flicking to the back

↪ Assume the reader is familiar with the main references

➤ But that doesn't mean you should skip them!



# How do I get finished?

→ Answer: by not getting stuck.

You've written most of it ...  
... but for the bits you're avoiding ...  
... you keep rewriting other bits ...  
... doing more reading ...  
... tinkering with the layout ...  
... seeking neat quotations ...



Q: Why are you stuck?

A: Because you've set yourself too hard a task.

↪ Don't be afraid to change your plan if it proves too hard.

↪ Be savage in cutting irrelevant bits.



# Reviewing

→ **Get other people to read your drafts**

↪ Peers will give friendly comments (and may have the most time!)

↪ Supervisor will steer you

↪ Other academics will spot things your supervisor has missed.

→ **Above all, get the bugs out before the examiners see it.**



# Summary

- Start writing today (never tomorrow)
- Make up a title page for inspiration
- Write down your argument succinctly
- Turn the argument into a chapter plan
- Maintain a file of stuff to put into these chapters
- Don't be afraid to change the plan



# The Examiner's View

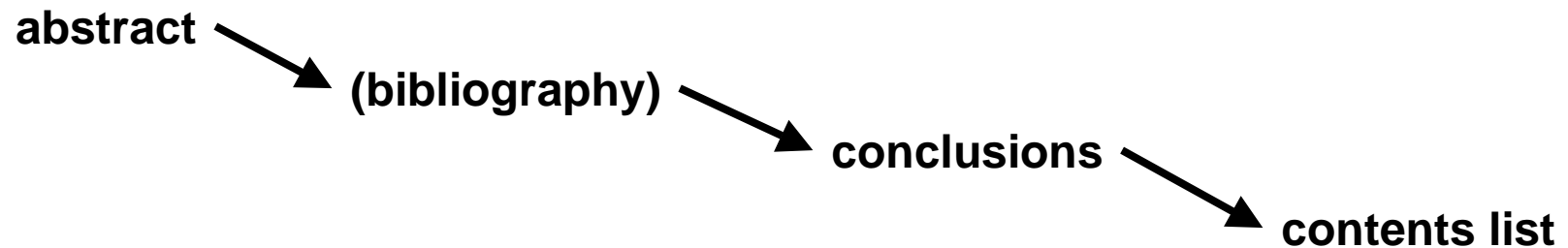
- Oh God, not another thesis to read...
- Your examiners are busy people
- Examining theses is a chore, but:
  - "It might help me keep up to date with an area of research"
  - "It might inspire me"
  - "I might learn something"
- Note: the reading will be done in trains, planes, and departmental meetings!



# Examiner's first question

## → What's this one about?

↪ Examiners have little time available, so they want to extract the most juice in the shortest time:



→ This may be enough to decide whether it's worth a PhD.

## → Then:

- 1) What questions now spring to mind?
- 2) ...read through...
- 3) Were the questions answered?



# Corrections

→ “Now there must be some corrections...”

↪ Many examiners don't feel they've done the job unless they find some corrections to do.

→ Typical corrections

↪ Typographical / grammatical errors

↪ Poor presentation

↪ Missing statements / references

↪ (Superfluous / redundant statements)

↪ Missing pieces of work

↪ Whole sections missing...

- research questions
- critical review of literature
- research methodology
- presentation of results
- discussion and conclusions





# Thesis defense

→ “Let’s see, what can I ask the candidate?”

↪ The examiners may have decided before the exam whether to pass you.

→ Defense, viva, exam, ...

↪ viva = “viva voce” = “lively discussion”

→ The exam is to check it’s your work...

↪ Talk fluently about the work; show you’ve thought about it (which you have!).

↪ This is easy - after all you’ve spent four years talking about it!

→ ...and a chance to clarify things that aren’t clear in the thesis.

↪ These are areas where corrections are likely.



# Summary

- Know your audience
- Help them understand:
- Keep it short; use signposts; get the contents right.
- Make sure you've covered the bases
- (Leave some simple mistakes in?)



# What the examiners are looking for

[Adapted from Brown, G., and Atkins, M. (1988) Effective teaching in Higher Education. London: Routledge]

## → Review of literature

- ↪ To what extent is the review relevant to the research study?
- ↪ Has the candidate slipped into "Here is all I know about x"?
- ↪ Is there evidence of critical appraisal of other work, or is the review just descriptive?
- ↪ How well has the candidate mastered the technical or theoretical literature?
- ↪ Does the candidate make the links between the review and his or her methodology explicit?
- ↪ Is there a summary of the essential features of other work as it relates to this study?

## → Methodology

- ↪ What precautions were taken against likely sources of bias?
- ↪ What are the limitations in the methodology? Is the candidate aware of them?
- ↪ Is the methodology for data collection appropriate?
- ↪ Are the techniques used for analysis appropriate?
- ↪ In the circumstances, has the best methodology been chosen?
- ↪ Has the candidate given an adequate justification to the methodology?

## → Presentation of results

- ↪ Have the hypotheses in fact been tested?
- ↪ Do the solutions obtained relate to the questions posed?
- ↪ Is the level and form of analysis appropriate for the data?
- ↪ Could the presentation of the results been made clearer?
- ↪ Are patterns and trends in the results accurately identified and summarized?
- ↪ Does the software appear to work satisfactorily?

## → Discussion and Conclusions

- ↪ Is the candidate aware of possible limits to confidence/reliability/validity of the work?
- ↪ Have the main points to emerge from the results been picked up for discussion?
- ↪ Are there links made to the literature?
- ↪ Is there evidence of attempts at theory building or reconceptualisation of problems?
- ↪ Are there speculations? Are they well grounded in the results?