

# Dissertation: Introduction

Planning

Information Searching

Writing

Presenting & Opposing

# What is a Dissertation? **MODEL**

- Table of Contents
- Abstract
- Ch1: **Introduction**
- Ch2: **Background**
- Ch3: **Experiment**
- Ch4: **Results**
- Ch5: **Conclusion**
- References
- Appendices
- # pages:
  - C-level ~**60**
  - D/E-level ~**80**
- # refs:
  - C-level ~**20**
  - D/E-level ~**40**
- Workload: **50% / 100%**
  - ~**50% dissertation**
  - write continuously
  - ~**50% project**
- **Time: 20 weeks**

# C / D-E Dissertations

- C dissertation
  - practical
  - application oriented
  - product oriented
  - well delimited
- Project areas
  - prototypes
  - evaluations
  - industry projects
- Goal
  - independent work
- D-E Dissertation
  - more in-depth
    - theory/models (applied)
    - application context
  - CS context
    - technical literature
    - application and extension of existing ideas
  - working (!?) prototype
  - 80% / 20% model
    - theory / practice

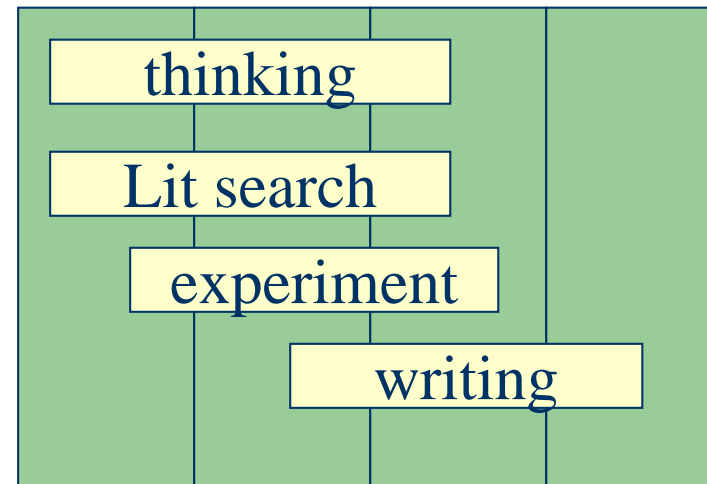
# Dissertation Intro Course

- Organisation
  - all info on **Web pages**
  - **study plan** on Web
  - dissertation language
    - English
    - Swedish
  - supervisors & planning
    - see Web
- Student **participation**
  - preparation in advance
  - read the material
  - self reflection
  
  - suggestions welcome
  - questions

# Dissertation - General

1. **Introduction** (10%)
  - overview
2. **Background** (20%)
  - study in context
  - terminology
3. **Experiment** (30%)
4. **Results** (30%)
  - interpretation
5. **Conclusions** (10%)

## ● Planning



# Dissertation - Planning

- TO DO!
  - find a **topic**
  - find a **supervisor**
  - read the **literature**
  - design **experiment**
    - fallback plan!
  - THINK !!!
  - plan (work schedule)
- Literature search
  - **sources**
    - CS library
    - Kau library
    - the Web
  - **how to start?**
    - seminal paper / book
    - recommendations
    - reference trail

# Dissertation - Planning

- **Experiment / study**

- have a clear goal
- design experiment / study on paper
- talk through the design
- evolve a strategy
  - literature search
  - equipment / software
  - time schedule (goals)

- **Writing**

- start documenting early
- chapter **outline** sketch
- order of writing
  - **Ch 2**: study in context
  - **Ch 3**: experiment
  - **Ch 4**: interpretation
  - **Ch 5**: conclusions
  - **Ch 1**: introduction

# Dissertation - Exercises

- Study some previous dissertations (CS Web)
  - study the **organisation**
    - intro / background / experiment / result / conclusions
  - read (1) the **abstract** (2) the **intro** (3) **final chapter**
  - look for the **RED THREAD**
  - study the **language style**
  - look at the **reference list** (books/papers/Web/other)
  - does this answer any of your questions?