Computer Science 690B: Research Methods in Computer Science II

Introduction

Your Thesis in Pictures (Again)

Course Organization and Workload

Course Philosophy
Your Thesis in Pictures I

1 year [1.6 years]

thesis topic selection → thesis proposal → thesis

2 years [4 years]

→ degree (MSc [PhD])
→ presentation(s)
→ publication(s)
Course Organization

- Starting Research: Selecting and Validating a Research Topic
- Doing (and Surviving) Research
- Presenting Research I: Conference Submission
- Presenting Research II: The Joy of Peer Review
- Presenting Research III: Conference Presentation, Attendance, and Beyond
- Funding Research: How to Get Shown the Money
Course Workload

• Evaluation scheme:

  Assignments (2)  40%
  In-class Presentation  20%
  Course Project  40%

• Assignment #1 = Abstract I + annotated bibliography.

• Assignment #2 = Abstract II + literature review + conference paper peer review

• Course project will be either a stripped-down thesis proposal or a stripped-down research funding proposal (choice in consultation with instructor).

• Final mark = (40% 690A mark) + (60% 690B mark).
Course Philosophy: Paragons and Pragmatists

Mahatma Gandhi (1869–1949)
What We Should Do

Niccolò Machiavelli (1469–1527)
What We Actually Do
Course Philosophy: The Importance of Story

“It doesn’t have to be revolutionary and it doesn’t have to be very difficult but it must tell a story.”

— Juris Hartmanis (1928–)
Welcome to Research Boot Camp

“ARE YOU READY???”