

Computer Science 690AB: Research Methods in Computer Science

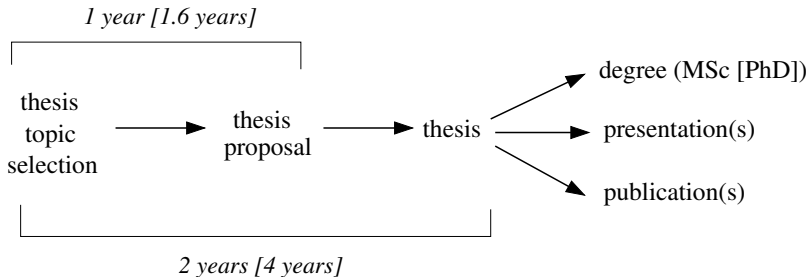
Introduction

YOUR THESIS IN PICTURES

COURSE ORGANIZATION AND WORKLOAD

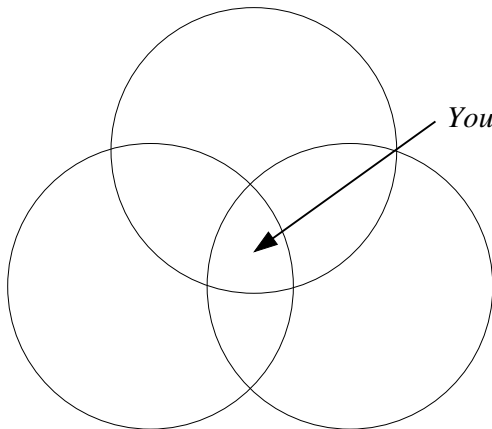
COURSE PHILOSOPHY

Your Thesis in Pictures I



Your Thesis in Pictures II

What You Can Do



You Should Be Here

What Hasn't Been Done

What's Worth Doing

Course Organization

- Giving Talks for Fun and Enlightenment
- Typesetting Documents: Fun with LaTeX and BibTeX
- Effective Literature Search
- Starting Research: Selecting and Validating a Research Topic
- Doing (and Surviving) Research
- Presenting Research I: Conference and Journal Paper Preparation and Submission
- Presenting Research II: The Joy of Peer Review
- Presenting Research III: Conference Presentation, Attendance, and Beyond

Course Workload

- Evaluation scheme:

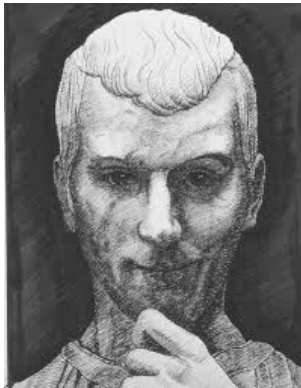
Assignments (3)	45%
In-class Presentation (2)	20%
Course Project	35%

- Assignment #1 = LaTeX typesetting + literature search
- Assignment #2 = Abstract I + annotated bibliography.
- Assignment #3 = 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).

Course Philosophy: Paragons and Pragmatists

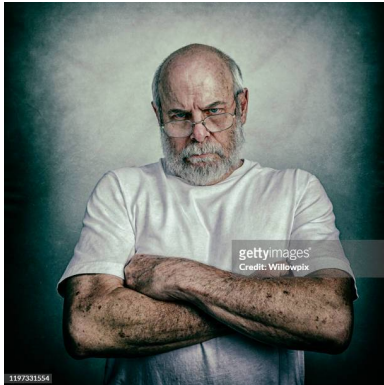


Mahatma Gandhi
(1869–1949)
What We Should Do



Niccolò Machiavelli
(1469–1527)
What We Actually Do

Course Philosophy: Getting Out Alive



Rick Power's Father
(????–????)

What We Do To Survive

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
(1928–2022)

Welcome to Research Boot Camp



“ARE YOU READY???”