PhD'ing
Three Primary Areas

- Course Requirements
- Qualifiers
- Research (Dissertation)
Course Requirements

- 90 Credits beyond a BS
- If have an MS, then 30 credits awarded
- CS 7900 – Seminar (2 credits)
- CS 7970 – Dissertation (27 credits min)
- 7000 level (12 + 3)
- No more than 9 credits outside the dept.
Course Requirements – 7000 Level

- Min of 12 Credits of CS 7000 level
  - 12 credits from CS dept
  - 3 other credits
    - Outside of dept allowed
    - Outside of student's specialization within CS
  - Basically, 15 credits
- CS 7900 does not count towards this
- What about 7950?
  - Committee/Adviser
  - But there is great concern this is abused!
Course Requirements – 5000 Level

- If have an MS: Count max of 15 credits
- If no MS: Count max of 21

- You can take less than this, just not more
Course Requirements – 6000 Level

- Fill remaining courses requirements with these and 7000 level
Course Requirements - Example

- Have an MS: 30 Credits Awarded
- 7000 Level Courses
  - CS 7460 (3)
  - CS 7350 (3)
  - INST 7870 (3)
  - CS 7500 (3)
  - CS 7850 (3)
- CS 7900 (2)
- Dissertation (CS 7970)
  - Taken (6)
  - Remaining (37)
- Totals
  - MS – 30
  - 7000 – 15
  - Seminar – 2
  - Dissertation - 43
Qualifiers

- Two Types
  - Written
  - Oral
- If have MS: Completed 12 credits (6 @ 7000)
- If no MS: Completed 18 credits (6 @ 7000)
- May only take 6 credits of 7970 before completing qualifiers
Qualifiers - Written

- Write a publication quality research paper
  - Topic chosen/accepted by PhD committee
  - “Sole Author”
  - Defense before PhD committee
- Purpose : Validate you can succeed in writing
Qualifiers - Oral

- **Two Parts**
  - Competency
  - Thesis Proposal defense
- **Competency**
  - Review, present & define set of papers
  - When: Within 1 year of written qualifier
- **Thesis Proposal**
  - Determine if proposed research if PhD level
  - When: ???
Dissertation/Research

- That is between you and your Adviser