Advancement to PhD Candidacy

- The write-up
- Timeline/scheduling
- Committees

The write-up

Your PhD Dissertation	Your Advancement write-up	Your Master's thesis		
- Title	- Title	- Title		
- Abstract	- Abstract	- Abstract		
	 Executive summary (~2 pages) 			
- Intro	- Intro	- Intro		
- Background	- Background	- Background		
- Awesome paper 1	- Project 1	- Awesome paper 1		
- Awesome paper 2	- Project 2			
- Awesome paper 3	- Project 3			
- Discussion		- Discussion		
	- Timeline of completion			
- References	- References	- References		
- Appendices	- Appendices	- Appendices		

Notes

- Three projects is not an absolute condition.
- Co-authored papers can be excerpted, provided you add a suitable Intro and Discussion, and a Statement of Co-authorship
- COMMON PITFALL: Be clear to distinguish the state of the field and **your** contribution.

The write-up

Your Advancement write-up

- Title
- Abstract
- Executive summary (~2 pages)
 - Intro
 - Background
 - Project 1
 - Project 2
 - Project 3
- Timeline of completion
 - References
 - Appendices

- Titles deserve deep thought.
- Unlike for papers, the title doesn't need to actively contain the result.
- Executive summary is **self-contained.** See "Project summary" examples.
- Intro can express your personal point of view
- Background is where you derive stuff, for example.
- For published/submitted papers, copy the tex source and dump it in your Advancement write-up. What was Supp Mat or Appendix can be part of main body.
- For project not yet submitted, the Project description should minimally contain:
 - Major question
 - Specific question
 - Method
 - Target results
 - Preliminary results: at least one figure
 - How you hope the results address the specific question

4 TIMELINE

Aims	1a	1b	1c	1d	2a	2b	2c	2d	3a	3b
Year 1	Modeling	Mod/Exp	Mod/Exp	Experiment					Mod	Mod
Year 2		Mod/Exp	Mod/Exp	Mod/Exp	Exp				Mod	Mod
Year 3					Exp/Mod	Exp	Modeling	Modeling		
Year 4						Exp/Mod	Exp/Mod	Exp/Mod	Exp	Exp
Year 5						-	-	-	Mod/Exp	Mod/Exp

- Use bibtex and a modern bibliographic tool for References (BibDesk, Mendeley, Mekentosj Papers, ...).
- Multiple bib sources can be combined e.g., the one we made for the paper, and one you make for Intro +Background — provided you look it over for duplicates.

Timeline

6 weeks before

| Jun approves draft, then
| - invitations to prospective committee
| - scheduling date and time of oral exam

| Write-up sent to committee
| 1 week before | Presentation run-through with group
| Evening/weekend before | Last run-through with Jun

| Advancement!

Timeline

First draft of write-up to Jun

Jun approves draft, then invitations to prospective committee scheduling date and time of oral exam

Write-up sent to committee

1 week before

Presentation run-through with group

Evening/weekend before

Advancement!



	28	29	30	31	1	2	3
June	4	5	6	7	8	9	10
	Kathryn	12	13	14	15	16	17
	18	19	20	21	22	23	24
	L <u>a</u> ra	26	27	28	29	30	1
July	2	3	4	5	6	7	8
	Matt	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	1	2	3	4	5
August	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	1	2

September

Committees

Kathryn

- 1. Jun (Physics, Math, MCSB Core)
- 2. John Lowengrub (Math, MSCB Core)
- 3. Anya Grosberg (BME, MCSB Core)
- 4. Natasha Komarova (Math) Core??
- 5. German Enciso (Math, MCSB Core)

External

- 1. Michael Zaragoza (Med)
- 2. Medha Pathak (Med)

Matt

- 1. Jun (Physics, Math, ChaMP)
- 2. Steve (Dev Cell, Physics, ChaMP)
- 3. Clare Yu (ChaMP)
- 4. Albert Siryaporn (ChaMP)
- 5. Thorsten Ritz (ChaMP)

External

- 1. Arthur Lander (Dev Cell)
- 2. Elliot Botvinick (BME)
- 3. Zeba Wunderlich (Dev Cell)
- 4. Jered Haun (BME)

Lara

- 1. Jun (Physics, Math, MCSB Core)
- 2. Qing Nie (Math, MCSB Core).
- 3. Lee Bardwell (Dev Cell, MCSB Core)
- 4. Elizabeth Read (ChEMS, MCSB Core)

External

- 1. Jered Haun (BME)
- 2. Zuzanna Siwy (Physics)

MSCB Core Faculty: