

# Advancement to PhD Candidacy

- The write-up
- Timeline/scheduling
- Committees

# The write-up

Your PhD Dissertation	Your Advancement write-up	Your Master's thesis
<ul style="list-style-type: none"><li>- Title</li><li>- Abstract</li><li>- Intro</li><li>- Background</li><li>- Awesome paper 1</li><li>- Awesome paper 2</li><li>- Awesome paper 3</li><li>- Discussion</li><li>- References</li><li>- Appendices</li></ul>	<ul style="list-style-type: none"><li>- Title</li><li>- Abstract</li><li>- Executive summary (~2 pages)</li><li>- Intro</li><li>- Background</li><li>- Project 1</li><li>- Project 2</li><li>- Project 3</li><li>- Timeline of completion</li><li>- References</li><li>- Appendices</li></ul>	<ul style="list-style-type: none"><li>- Title</li><li>- Abstract</li><li>- Intro</li><li>- Background</li><li>- Awesome paper 1</li><li>- Discussion</li><li>- References</li><li>- Appendices</li></ul>

## 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

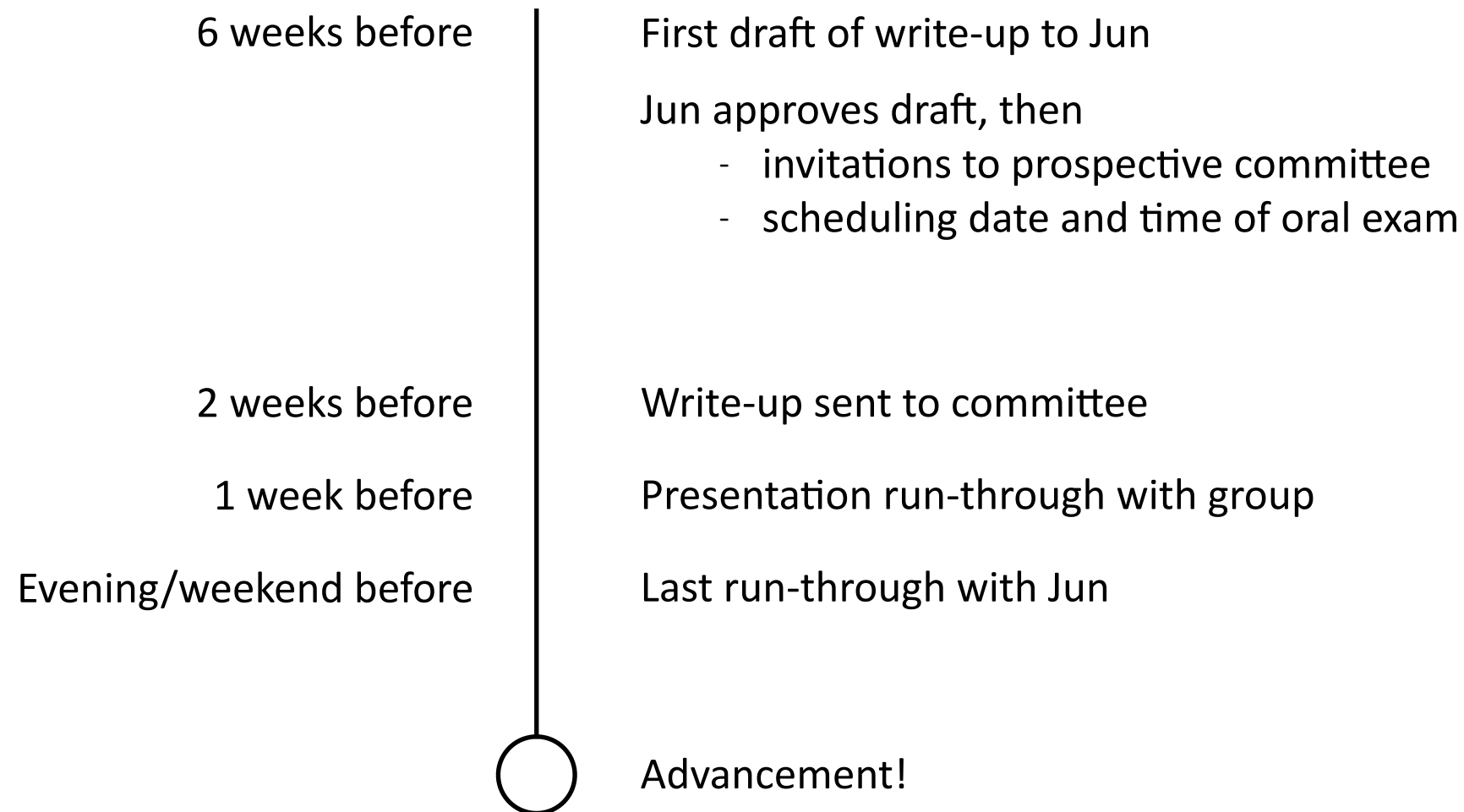
- Titles deserve deep thought.
- Unlike for papers, the title doesn't need to actively contain the result.
- Executive summary is **self-contained**. See “Project summary” examples.
- Intro can express your personal point of view
- Background is where you derive stuff, for example.
- For published/submitted 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

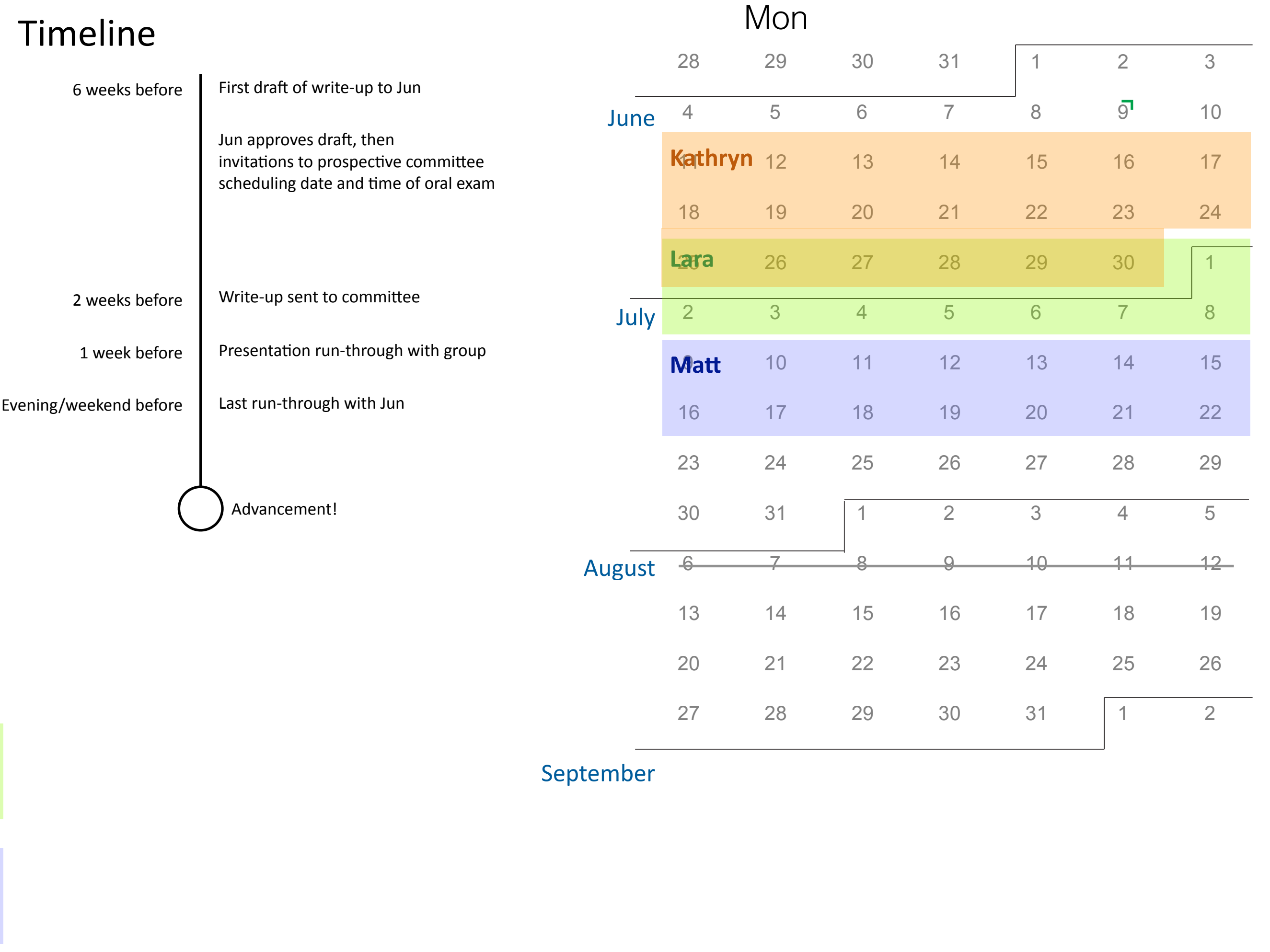
Aims	1a	1b	1c	1d	2a	2b	2c	2d	3a	3b
Year 1	Modeling	Mod/Exp	Mod/Exp	Experiment					Mod	Mod
Year 2		Mod/Exp	Mod/Exp	Mod/Exp	Exp				Mod	Mod
Year 3					Exp/Mod	Exp	Modeling	Modeling		
Year 4						Exp/Mod	Exp/Mod	Exp/Mod	Exp	Exp
Year 5									Mod/Exp	Mod/Exp

- 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



# Timeline



# 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)