

Chemistry and Chemical Biology (CCB)

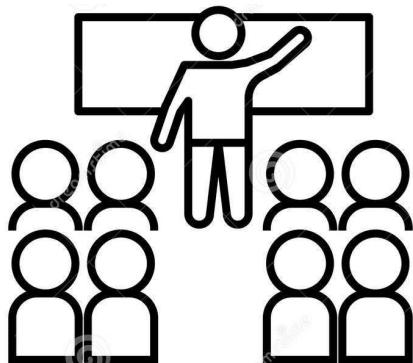
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Pedagogical Training over Zoom

Chem 301

- Scientific communication practicum taken by CCB grad students in preparation for teaching fellowships
- Pedagogy Fellows coach TFs-in-training before and during their first graduate teaching experience



Zoom training and coaching

- Adapted training strategies to zoom learning environment
- Prepared demonstrative presentations
- Observed students in practice presentations and in sections

Future goals for CCB PFs

- Streamline observation process
- Integrate PF role earlier into spring semester teaching

Chem 301: G1 Teaching Practicum

Course overview

- Mandatory for all CCB grad students (~36 students)
- Taken in the first year before and during first teaching assignments
- 3 microteaching assignments, observations of labs and sections, and ~ 5 group meetings

Fall 2020:
Training




Chemistry G1s receive training

PF duties

- Created zoom videos to demonstrate an organization and engagement over Zoom
- Supervised microteaching

Spring 2021:
Teaching



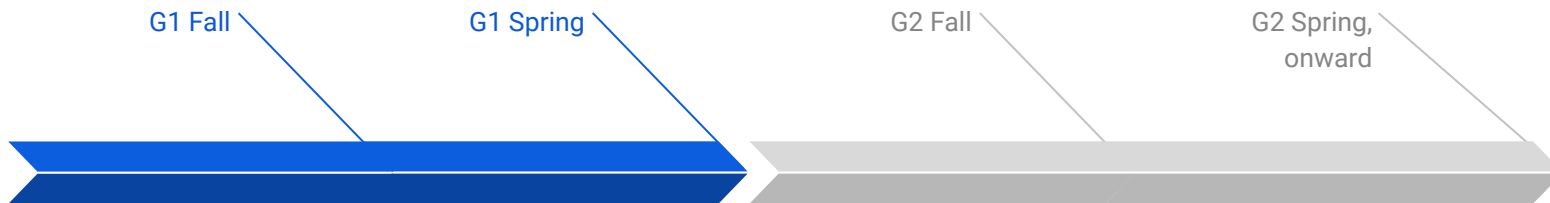
Chemistry G1s being teaching

PF duties

- Observed and met with each G1 as they began teaching

Supporting Chemistry TFs

CCB grad student timeline:



Chem 301: Teaching Practicum (with Pedagogy Fellows)

Incoming G1 students receive pedagogical training

G1 TFs begin teaching undergraduate students

Continued Teaching Fellowship, Voluntary Teaching

G2 students complete CCB teaching requirement

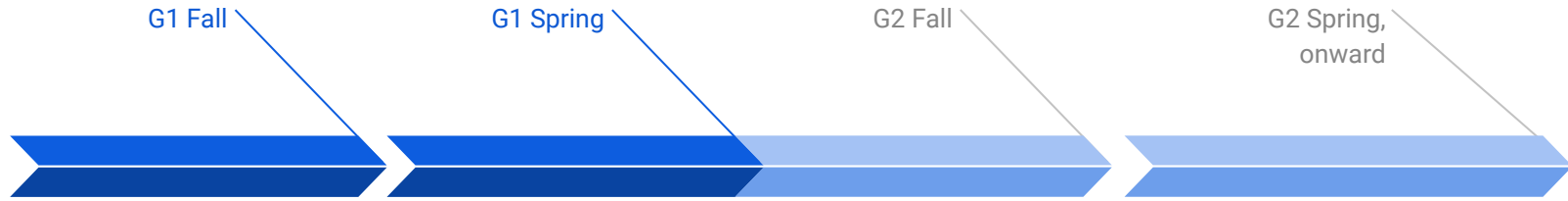
Graduate students have the option to continue teaching / serve as Head TFs

TF support needs

- Lesson design
- Time management
- Work load
- Self-confidence
- Section engagement
- Support for students

Evolving the PF Role

CCB grad student timeline:



Training

- PFs introduce teaching at the college
- PFs facilitate microteaching and advise TF assignments



Teaching Appointments 1 and 2

- PFs consult with TFs at semester beginning to gauge support needs
- PFs note candidates to teach upper level courses



Voluntary Teaching

- PFs conduct peer check-ins with upper level TFs

