Chemistry and Chemical Biology (CCB)

Emily Kerr and Paloma Tuttle-Vasseur
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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

Chemistry G1s receive training

Fall 2020: Training

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

Spring 2021: Teaching

PF duties
- Observed and met with each G1 as they began teaching
Supporting Chemistry TFs

CCB grad student timeline:

- **G1 Fall**
  - Chem 301: Teaching Practicum (with Pedagogy Fellows)
  - Incoming G1 students receive pedagogical training
- **G1 Spring**
  - G1 TFs begin teaching undergraduate students
- **G2 Fall**
  - Continued Teaching Fellowship, Voluntary Teaching
  - G2 students complete CCB teaching requirement
- **G2 Spring, onward**
  - Graduate students have the option to continue teaching / serve as Head TFs

**TF support needs**

- Lesson design
- Work load
- Section engagement

- Time management
- Self-confidence
- Support for students
Evolving the PF Role

CCB grad student timeline:

**G1 Fall**
- Training
  - PFs introduce teaching at the college
  - PFs facilitate microteaching and advise TF assignments

**G1 Spring**
- Teaching Appointments 1 and 2
  - PFs consult with TFs at semester beginning to gauge support needs
  - PFs note candidates to teach upper level courses

**G2 Fall**
- Voluntary Teaching
  - PFs conduct peer check-ins with upper level TFs

**G2 Spring, onward**
- PFs conduct peer check-ins with upper level TFs