**Active Learning in Organic Chemistry**

Tentative Workshop Schedule, summer 2017

Atlanta, GA

Workshop Leaders

Justin Houseknecht Wittenberg University, Springfield, OH

Alex Leontyev Adams State University, Alamosa, CO

Jennifer Muzyka Centre College, Danville, KY

Cathy Welder Dartmouth College, Hanover, NH

Leyte Winfield Spelman College, Atlanta, GA

David Collard Georgia Tech, Atlanta, GA (cCWCS Co-PI)

**Homework:**

* Choose a topic of focus for the workshop from this list: alkenes, stereochemistry, alcohols, aldehydes and ketones, carboxylic acids and derivatives, or alpha-carbonyl chemistry. You’ll work on this topic throughout the workshop, generating learning objectives, and reading questions.

**Monday Evening - Overview**

4-6 pm Arrival and Check In

6-7 pm Evening reception with heavy hors d'oeuvres

Welcome and introductions - Jennifer

7-8 pm Does Active Learning Work? A Review of the Research – Alex

8-9 pm Backward Design – Cathy

CAT: Muddiest point.

**Tuesday Morning – Course Design**

7:00-8:30 Breakfast

8:30-9:00 Muddiest Point Follow up – Alex

9:00-10:15 Flipping without video using learning objectives – Justin

CoLTs: Roundtable (#25) and Affinity Grouping (#19)

10:15-10:30 Break

10:30-11:30 Assessments – Leyte

CAT : One Minute Paper

11:30-12:00 Collaborative Learning Techniques (CoLTs) – Justin

12:00-1:00 Lunch

**Tuesday Afternoon**

1:00-1:10 Group Photo

1:10-1:30 cCWCS and OrganicERs.org – David

1:30-1:45 One Minute Paper follow up. Leyte

1:45-2:15 Flipping without video using reading questions. Jennifer

2:15-3:00 Flipping with video – Cathy

3:00-3:30 Break

3:30-4:00 Using the Tools

Explain Everything – Justin

Doceri – Jennifer

Livescribe pens – Cathy

4:00-5:00 Using the Tools

5:00-5:30 Using the Tools wrap up - Justin

5:30-6:00 Reflection

6:00-7:00 Group dinner in hotel

**Wednesday Morning**

7:00-8:30 Breakfast

8:30-10:00 Classroom Assessment Techniques (CATs) – Alex

10:00-10:30 Break

10:30-11:30 Clicker technology and use – Jennifer

11:30-12:00 CAT: Pros and cons

12:00-1:00 Lunch

**Wednesday Afternoon**

1:00-1:45 The Flipped Lab at Dartmouth – Cathy

1:45-2:45 OpenOChem (works with all course management systems) – Jennifer

2:45-3:15 Break

3:15-4:45 Writing high quality multiple choice questions – Alex

4:45-5:15 Follow-up from pros and cons CAT

5:15-5:30 Reflection period

* Considering all that we have discussed in the workshop thus far, what would you like to try to implement in your courses? *Enter your responses in the OrganicERS.org forum before 7 am.*
* If you haven’t already done so, upload something to OrganicERs.org.

6:00-8:00 Group dinner in nearby restaurant

**Thursday Morning**

7:00-8:30 Breakfast

8:30-9:15 Discussion/show and tell with previous participant (Josh Ring)

9:15-10:00 How to introduce active learning to students and colleagues – Jennifer

10:00-10:30 Break

10:30-12:00 Brainstorming – how will your teaching change? – David

Open Discussion

12:00-1:00 Box Lunch in hotel or carry out

1:00 Departure