

Course Coordination Kick Off:
MATH 1112, 1113, 1190
2019–2020

Kennesaw State University

August 16, 2019



KENNESAW STATE
UNIVERSITY
COLLEGE OF SCIENCE AND MATHEMATICS
Department of Mathematics

SEMINAL: Student Engagement in Mathematics through an Institutional Network for Active Learning

- Grant seeks to study how to sustain success in implementing active learning in undergraduate mathematics classes
- Active Learning is defined as teaching methods and classroom norms that promote:
 - students deep engagement in mathematical reasoning;
 - peer-to-peer interaction; and
 - instructor interest in and use of student thinking.
- KSU is entering its second year of the three year program (KSU is part of a community of 12 institutions across the country.)
- Implementation of course coordination is one part of our proposed program

Why Course Coordination?

- Encouraged by the MAA
- Makes the job of the instructors easier
- Makes the experience of the students better
- Shows the Dean our commitment to student success

Facets of Course Coordination

- Pre-term meeting (what we're doing right now!)
- Peer-Observation process (participation is **encouraged**, not *mandated*)
- Access to Library of Materials, including
 - Course document templates (e.g. syllabus, learning outcomes, homework lists)
 - Active learning activities (e.g. worksheets, clicker questions)
 - Observation documents (e.g. Observation template, instructor email list)
- **Suggestions:** Is there anything you would like us to do?

FLC 2020

You are invited and encouraged to apply for the 2020 CSM FLC Cohort!

- Application is online and due Sept. 1, 2019
- The seven teams include two that are particularly relevant:
 - Active Learning in College Algebra, Trigonometry, and Precalculus Team
 - Active Learning in Calculus 1 and Beyond Team
- If you're interested, discuss your interest with Sean prior to applying. **Part time, Limited term faculty are encouraged to apply!**
- Information and link to application is available here:
<https://csm-intranet.kennesaw.edu//node/118>

Active Learning

Time for an activity!

What is Active Learning?

Many definitions, but to keep it simple:

Active learning is any class activity where the students are NOT passively listening and taking notes.

- Having students work problems in class, individually or in groups
- Sending groups of students up to the board to work on problems
- Having students compare their notes with their neighbor to see if they missed anything
- Using clickers
- etc...

Why use Active Learning?

- The science is settled - more students learn better that way.
- See literature in the Shared Resources folder

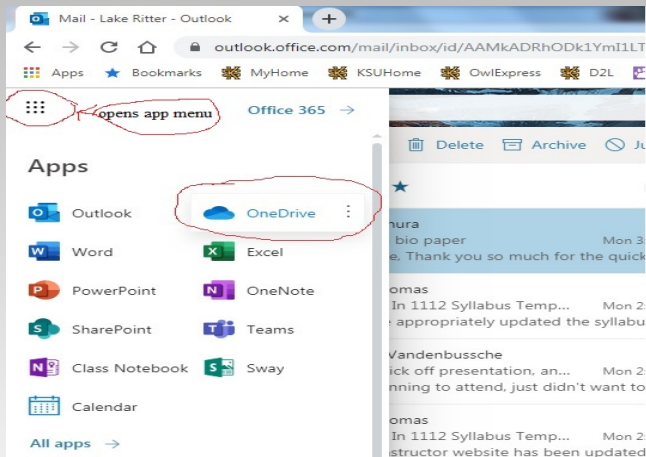
Shared Resources in OneDrive

Materials located in the shared folder

- Document with general (not content-specific) ideas
- Clicker questions
- Other materials organized by
 - course (1112-1113)
 - chapter (1190)
- In-class worksheets, both long and short; activities

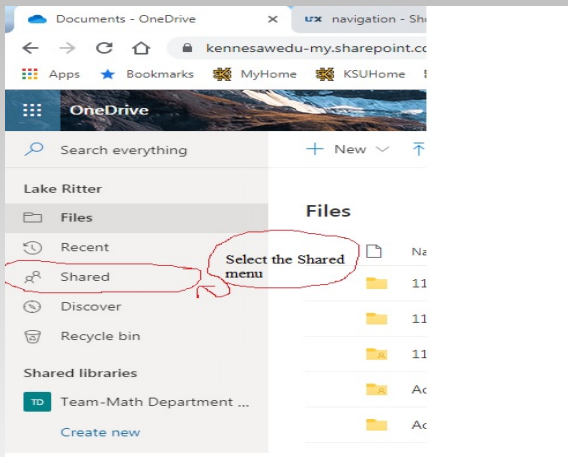
If you have created activities that you'd like to share with colleagues, please send them to us!

Shared Resources in OneDrive (regular web access)



From the web-based Outlook Email page, open the Apps by clicking on the apps grid, then select the OneDrive button.

Shared Resources in OneDrive (regular web access)



The folder can be found by selecting the "Shared" option on the left.

Remarks on Shared Resources

- To edit or modify an activity, download a copy. (Source documents are available for many worksheets.)
- **Important:** If you use a new activity (whether shared or not), please email your coordinator (Erik or Lake). We plan to report aggregate statistics to the Dean (e.g. *Y% of 11XX instructors tried a new active learning activity...*)

Peer Observation

- We would like to encourage everyone to (a) observe one of your peers teaching, and (b) be observed by one of your peers
- Helps to share good ideas across the department
- When being observed, you can ask for focus on a particular topic

Peer Observation

- The shared resources folder contains an Observation Summary (suggested protocol) and an Observation Template (you may wish to use).
- Please fill out the **first page**¹ of the Observation Template and send it to your coordinator² (Erik–1190, Lake–1112/13).
- Observation details are strictly between the observer-observed. You may wish to write/receive observation related letters for inclusion in annual/major review packets.

¹at least the top four lines with basic info (who/when/what course)

²This too will be reported in aggregate to the Dean—no names or details, just % participation.

Peer Observation: Basic Process

- Connect with another instructor³. (email list w/ some section info is in the folder)
- Begin with pre-observation meeting or phone call where you discuss what you would like the observer to focus on
- Meet again after the observation to discuss.
- Send (email/mail) just the cover page info to the coordinator.
- Observer may write a letter⁴ to the observed describing the experience.

³Coordinators are happy to help facilitate connections.

⁴Sample letters are available in the Observation folder.

Thank You!

We want to help you! If at any point this semester we can help you with your courses in any way, please let us know.

- 1112/1113 Coordinator for Fall 2018-Spring 2020: Lake Ritter
(lritter@kennesaw.edu)
- 1190 Coordinator for Fall 2019-Spring 2020: Erik Westlund
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