Winter 2020

For GSIs, IAs, & Postdocs

- **27 January**
  - **Designing Learning Goals: Targeting Concepts Behind a Formula**
    - 10:00 am - 11:30 am
    - Lurie Engineering Center Johnson Rooms

- **5-6 February**
  - **Active Learning Practice**
    - Choice of 7 Sessions
    - Gorguze Family Laboratory 211

- **10 February**
  - **It’s Time for Action: Generating an Active Learning Plan**
    - 2:00 pm - 3:30 pm
    - Lurie Engineering Center Johnson Rooms

- **18 February**
  - **The Science of Learning**
    - 10:00 am - 11:30 am
    - Lurie Engineering Center Johnson Rooms

For All Interested Individuals

- **28 February**
  - **How Stereotype Threat, Impostor Syndrome, & Growth Mindset Affect Student Learning**
    - 2:00 pm - 3:30 pm
    - Lurie Engineering Center Johnson Rooms
Designing Learning Goals:
Targeting Concepts Behind a Formula
10:00 am - 11:30 am
LEC Johnson Rooms
What can we do to move our students beyond a “plug and chug” numerical competency to a deeper, conceptual understanding of formulae? In this session, instructors will learn about backwards design and the value of “beginning with the end in mind.” Instructors will then practice writing learning goals to target a common student misconception in their field, guided by research about discipline-specific bottlenecks.

Active Learning Practice
Choice of 7 Sessions
February 5-6
GFL 211
This session offers an opportunity to practice active learning techniques by presenting a lesson to a small peer group. In advance, participants review short online videos about active learning. Then, participants plan and deliver a 10 minute lesson containing an active learning technique. Finally, participants reflect on their experience and exchange supportive feedback.

It’s Time for Action:
Generating an Active Learning Plan
2:00 pm - 3:30 pm
LEC Johnson Rooms
Creating a plan to engage students in active learning can be challenging. In this workshop, you will learn about a variety of active learning techniques then begin to formulate a plan for implementing active learning in your own course.

The Science of Learning
10:00 am - 11:30 am
LEC Johnson Rooms
In this workshop, we will summarize key findings on how people learn, and connect them to practical implications for teaching. Through interactive activities based on the science of learning, you will investigate teaching strategies you can use to optimize learning for all of your students.

How Stereotype Threat, Impostor Syndrome, & Growth Mindset Affect Student Learning
2:00 pm - 3:30 pm
LEC Johnson Rooms
Research shows that when students worry about fulfilling a negative stereotype related to certain social identities, it can hurt their learning (a phenomenon known as stereotype threat). Research also shows that an instructor’s beliefs about their own and their students’ intelligence and ability impact the classroom environment. In this interactive session, participants will reflect on instructor and student social identities and learn about strategies for mitigating stereotype threat, impostor syndrome, and encouraging a growth mindset for students in their classes.

To register, please visit: crlte.engin.umich.edu/workshops

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