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WHEN?

HOM5

Where is it taking place?

When will the program be offered?

How will it go?!

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MHA5

Why are we doing this? Wh

Who is the program for?

What does the program entail?



MHA5

Benefits of GTA teaching development programs:

- Improves teaching confidence
- Emphasizes importance of pedagogical training
- Shifts instructor-centred mindset to learner-centred one



Crucial Gap:



"Although there are programs that exist to prepare science graduate teaching assistants (GTAs) to be more effective instructors, there is a **dearth of primary research** on the subject. What do programs geared toward developing the teaching skills of science GTAs look like? More importantly, **how**effective are these programs at changing misconceptions and beliefs about science teaching and learning of science GTAs?"

— Gardner & Jones (2011), pg. 34

WHERE?



OUR LOCATION







Canada

Western Active Learning Spaces



https://www.uwo.ca/wals/classroom_spaces/room_information.html



MHO3

Participants

Students in research-focused graduate programs (MSc, PhD) in departments of Mathematics and Statistical and Actuarial Sciences.





WHEN?

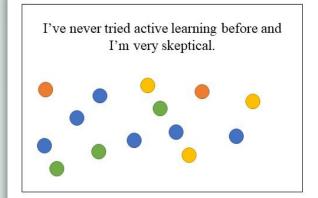
September, 2021

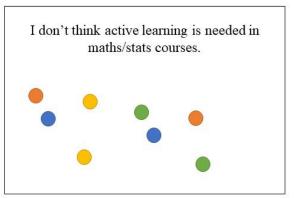


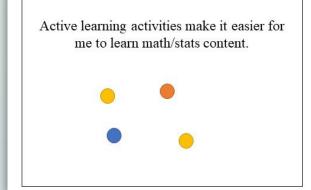
Motivating Activity

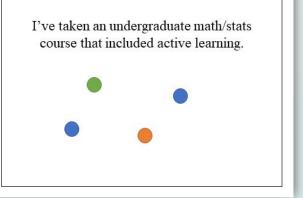
Dotmocracy

Dotmocracy Activity









Motivating Activity

Dotmocracy

Intro & LOs

Quescussion; Think-Pair-Share

Learning Outcomes

- **Describe** the concept of **active learning**, including how it differs from traditional teaching approaches.
- **Explain** the **benefits and limitations** of active learning activities used in undergraduate university mathematics and statistics courses.
- Develop strategies for implementing active learning activities in different types of environments, such as small labs/classes, large labs/classes, and online.
- **Evaluate** the **effectiveness** of active learning activities using classroom assessment techniques.

Motivating Activity

Dotmocracy

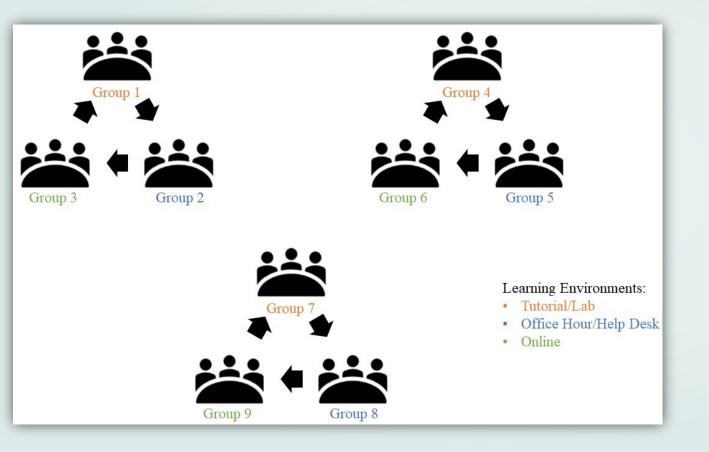
Intro & LOs

Quescussion; Think-Pair-Share

Participatory Learning

Café Conversation

Café Conversation



Steps:

- 1. Reflect
- 2. Examples
- 3. Possible benefits& limitations
- 4. Overcome & evaluate
- 5. Group discussion

Motivating Activity

Dotmocracy

Intro & LOs

Quescussion; Think-Pair-Share Participatory Learning

Café Conversation Post-Assessment

Minute Paper

Summary

Handout

Note:

Loosely follows BOPPPS model



THANK YOU

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