

**Northeastern University**  
**Center for Advancing Teaching**  
**and Learning Through Research**

# **Evidence-based Teaching in Your First Semester and Beyond**

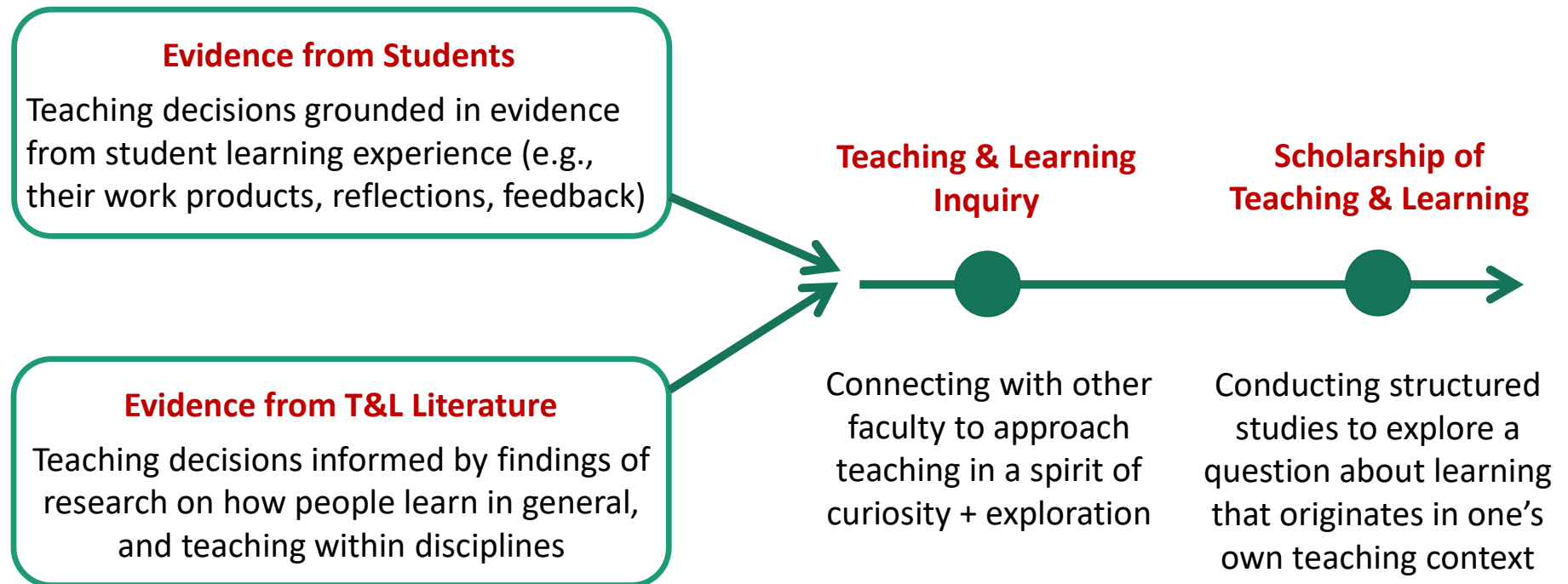
**Gail Matthews-DeNatale, Ph.D.**

# Goals

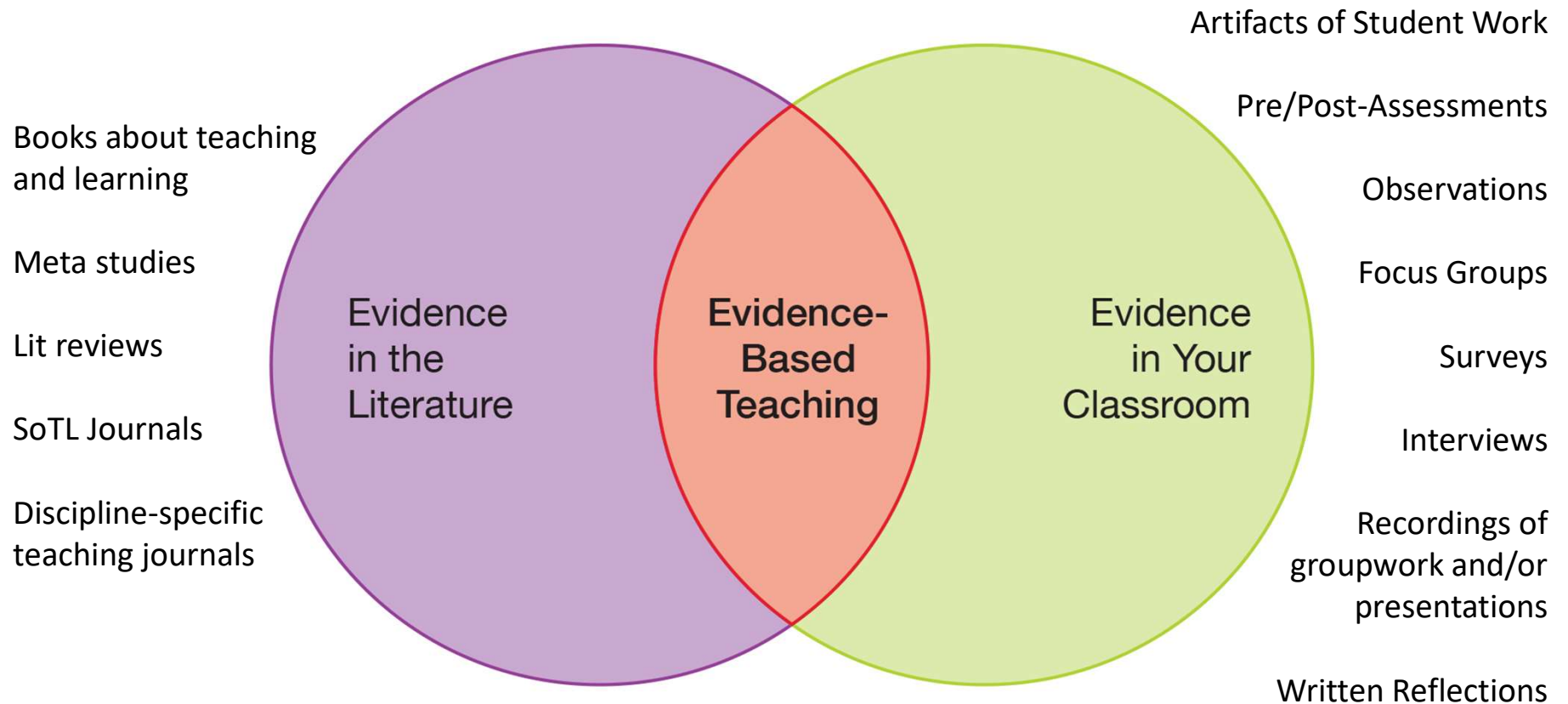


- Overview of the concept of Evidence-Based Teaching
- Benefits of Evidence-Based Teaching
- Consider NU Faculty use of EBT and insights derived
- Apply the concept to your teaching at Northeastern
- Resources and opportunities offered by CATLR

# Overview: What is Evidence-Based Teaching?



# Overview: Types of Evidence





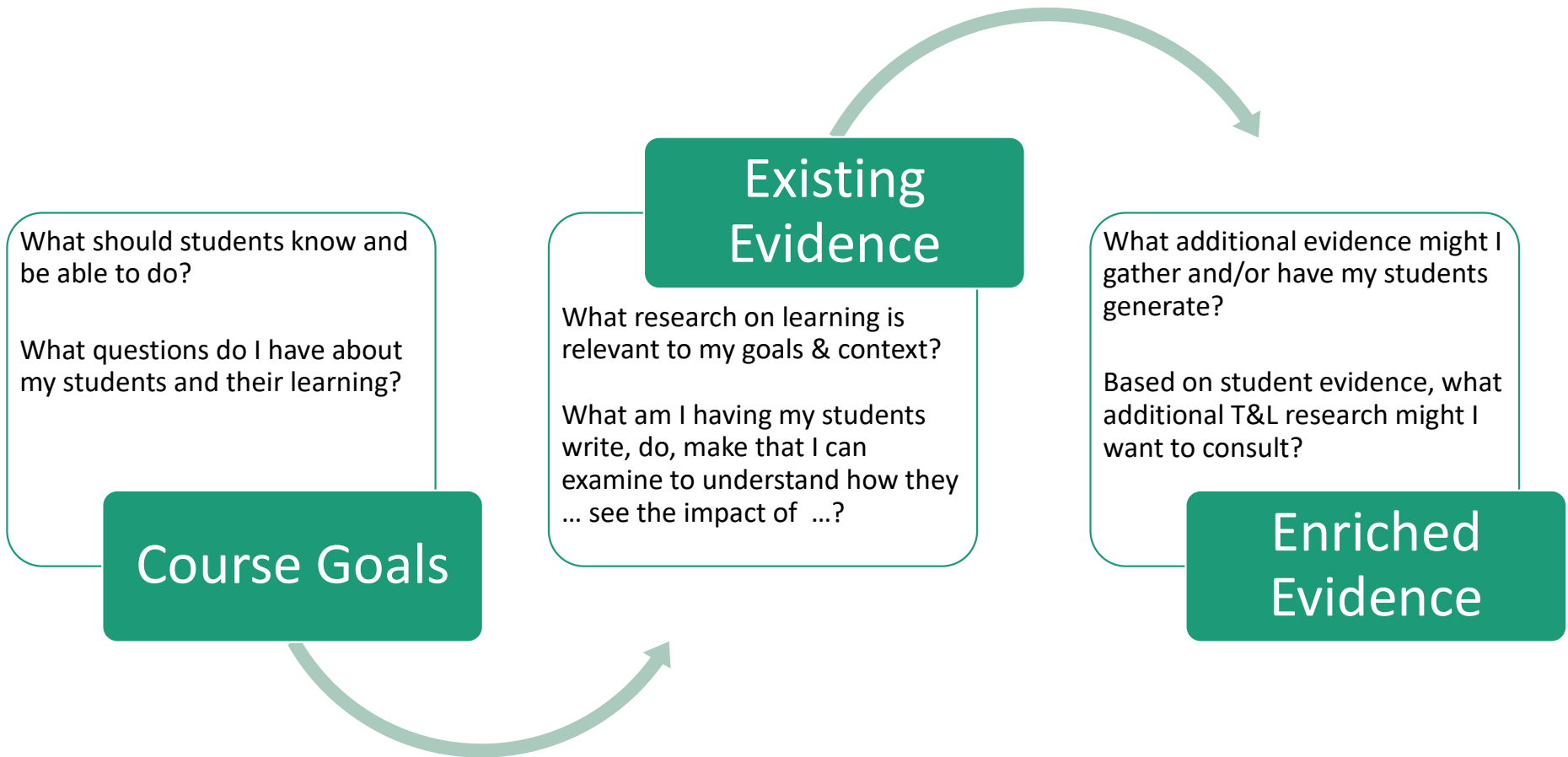
## **Now**

- Improved teaching and student learning
- Shared language around the learning sciences that supports collegial conversation about teaching

## **Looking to the future ...**

- Potential conference presentations and publications
- Promotion dossier
  - Prepares you to write a strong teaching statement
  - Documentation of teaching effectiveness & teaching-related scholarship

# EBT Process



# Example



**Lucy Bunning**  
Associate Teaching  
Professor  
NU Global

Students take the risk of communicating in English inside and outside the class, increasing proficiency and confidence

**Goal**

**Existing  
Evidence**

**What factors might be at play when students decide whether to speak?**

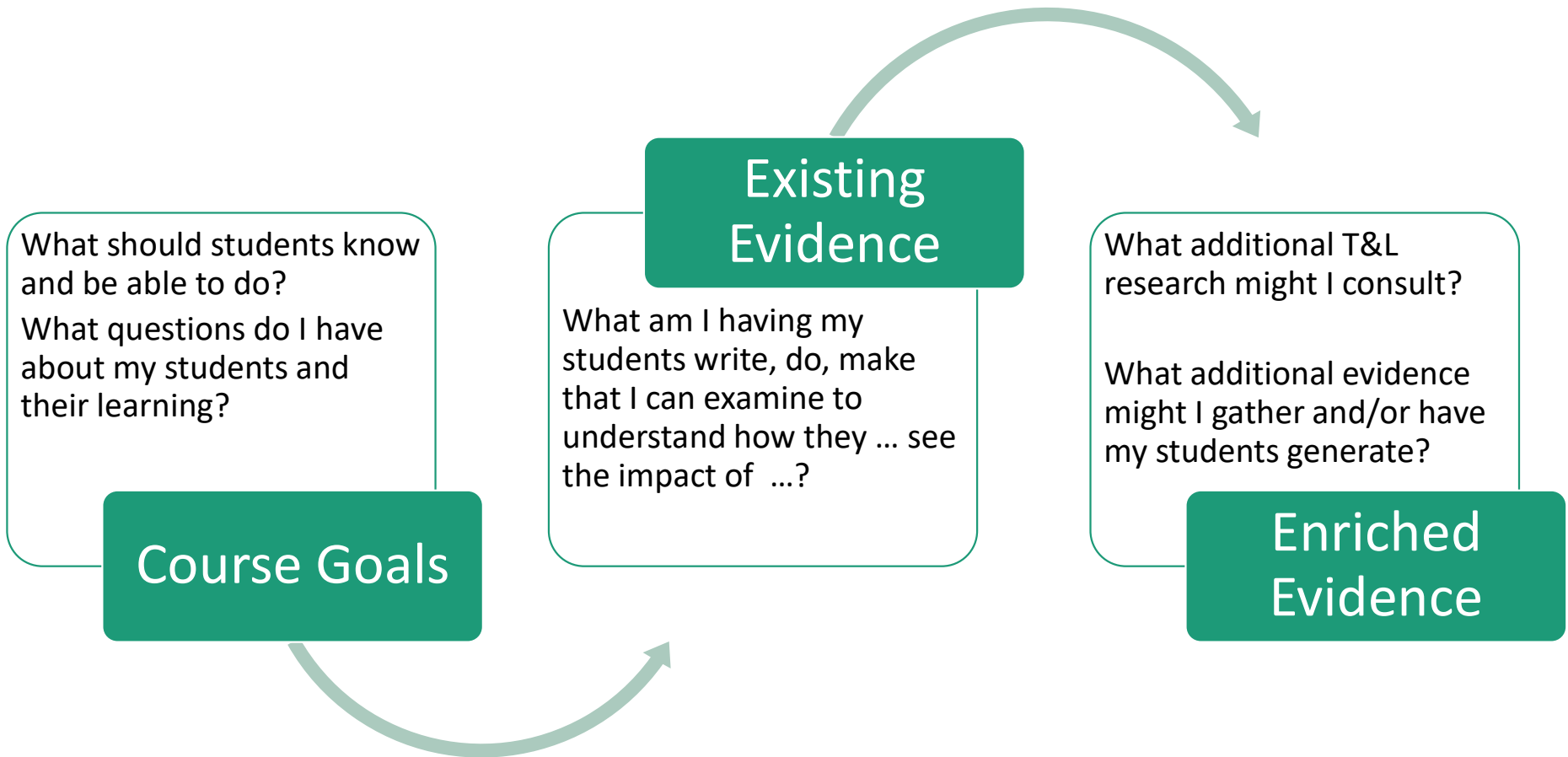
- Outside of class: journal
- In class: think-pair-share
- In class: exit ticket

**“Willingness to Communicate”**



**Enriched  
Evidence**

# Your Turn: In Pairs or Triads







What student learning goals did you focus on? What do you want to know about them?

What observations or questions emerged from this exercise?

# Evidence-Based Teaching Recap



TYPES OF EVIDENCE		
Books about teaching and learning	Discipline-specific teaching journals	Surveys
Meta studies	Artifacts of Student Work	Interviews
Lit reviews	Pre/Post-Assessments	Recordings of groupwork and/or presentations
SoTL Journals	Observations	Written Reflections
	Focus Groups	

You May Be Thinking ...



**Wow, this is a lot!**

How can CATLR help me document my teaching and develop a body of work for promotion?

# How CATLR Can Help



## Ongoing Offerings

### *Consultations*

- Assignment and course design
- Class observations
- Student focus groups
- Analyzing course evaluations

### *Events and Groups*

- Workshops related to EBT
- Thematic inquiry groups focused on topics of interest
- Groups dedicated to shared area of T&L research

## Teaching Innovation Scholars

Application in Winter semester. Year-long program, fully online, runs May 2025-26.

### Program Overview:

- Develop a systematic study of teaching innovation aligned with NU T&L priorities
- Collegial, cross-disciplinary community
- Author resources and essays featured in CATLR newsletter and website
- Present at CATLR's annual CAEBL conference
- Assistance in developing conference proposals and publications beyond Northeastern

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We are here to help  
Feel free to contact us at  
[CATLR@northeastern.edu](mailto:CATLR@northeastern.edu)