

# MICHIGAN STATE UNIVERSITY



*illuminating the Path Forward*

**Thomas D. Jeitschko, Ph.D.**  
**Dean and Associate Provost for Graduate Education**





*Illuminating the Path Forward*

# Preparing Future Faculty to Assess Student Learning

CGS Winter Meetings  
December 2018, Washington DC

**Rique Campa (Associate Dean)**  
**Thomas D. Jeitschko (Dean)**  
**Melissa McDaniels (Senior Advisor to the Dean)**



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Lectures, Brownbags, Panels, etc.  
30-90 minutes



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Year-long programs  
Generally cohort based

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  - RCAH Teaching Fellows
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# Organizational Principle

## Center for the Integration of Research, Teaching and Learning (CIRTL) Core Ideas:

Teaching-as-Research

Learning Communities

Learning-Through-Diversity



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# Student Learning Assessment

## Teaching-as-Research: **Backward Design**

1. Clear statement of learning objectives
2. Identification of data/measures to assess objectives
3. Design educational experiences



# FAST: Future Academic Scholars in Teaching

- Started in 2006
- Modelled after Lilly Teaching Fellow Program
- High-engagement, cohort-based year-long program
- Focus on STEM disciplines
- 10-14 fellows per year, selected in competitive process

**Backward Design:** Scaffolding approach towards developing measurable learning objectives

# FAST: Future Academic Scholars in Teaching

## Assessment:

- Pre- and post surveys, artefacts, exit interviews
- Approaching 150 participants
- Better placements (with 80% in Academic Positions)
- Faster Time-to-Degree
- Promotes early post-placement career development

**Contact:** Rique Campa ([campa@msu.edu](mailto:campa@msu.edu))

See also: Prevost et al. 2018; Innovative Higher Education

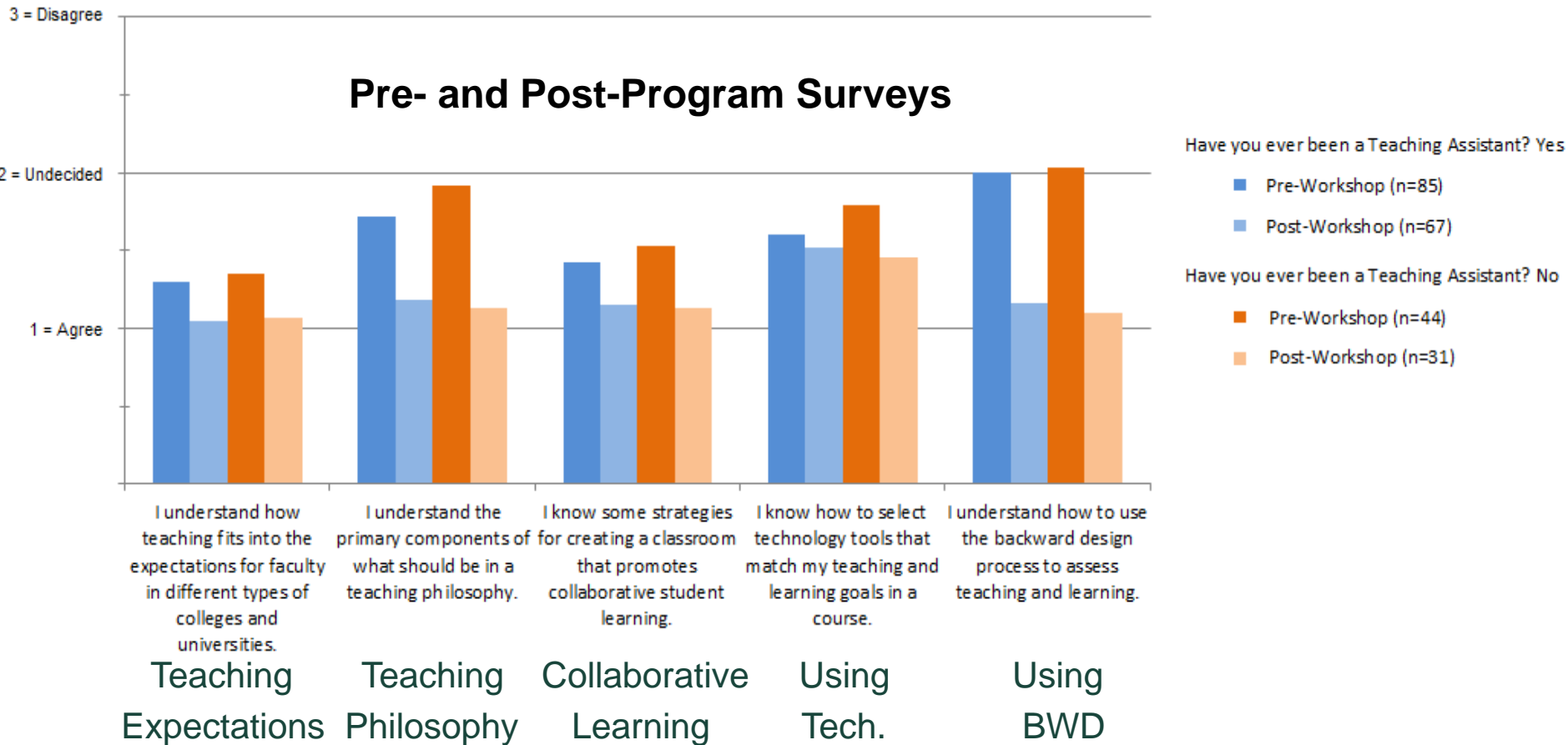
# Certificate in College Teaching Institute

- Moderate engagement multi-day workshop on college teaching
- Involves individual and groups based exercises
- Can be attended stand-alone or as part of the Certificate in College Teaching Program
- 80-120 participants each year

**Backward Design** included as one of the learning objectives

# Certificate in College Teaching Institute

## Pre- and Post-Program Surveys





# Teaching Assistant Orientation

Pre-2013:

- Long string of presentations focused on compliance  
→ “death by powerpoint”

Since 2013:

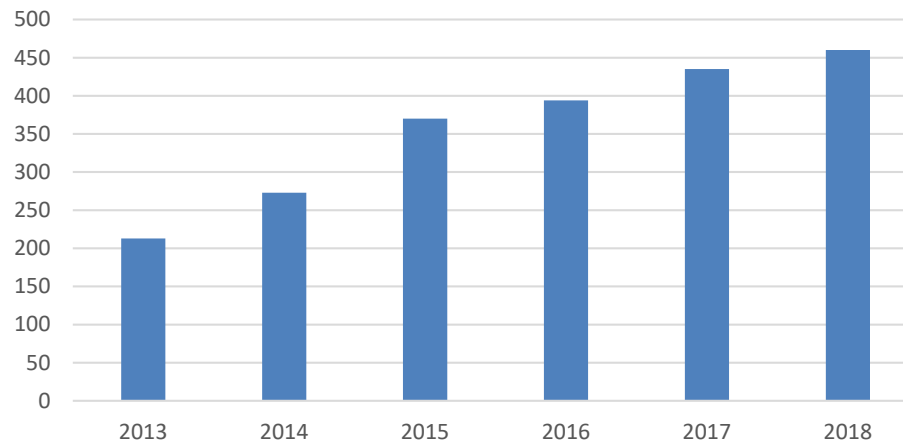
- Moderate-engagement workshop
- Open to all new and “returning” TAs
- Active learning and modelling

**Backward Design: “How to write a learning objective”**

# Teaching Assistant Orientation

**Assessment:** strong favorable feedback from participants and employing units

New TA Institute Participation



**Contact:** Melissa McDaniels ([mcdani73@msu.edu](mailto:mcdani73@msu.edu))

# Supplement

- Total participation across our programs reaches in the thousands
- Many offerings are open to post-docs and faculty
- CIRTTL Core Idea: “Learning Communities”  
I teach MSU (#iteachmsu) and other learning communities

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