

What elements of **GTA development** do GTAs find most useful?

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Physics GTA Preparation

Integration of pedagogy, physics, and professional development

Pedagogy

GTA

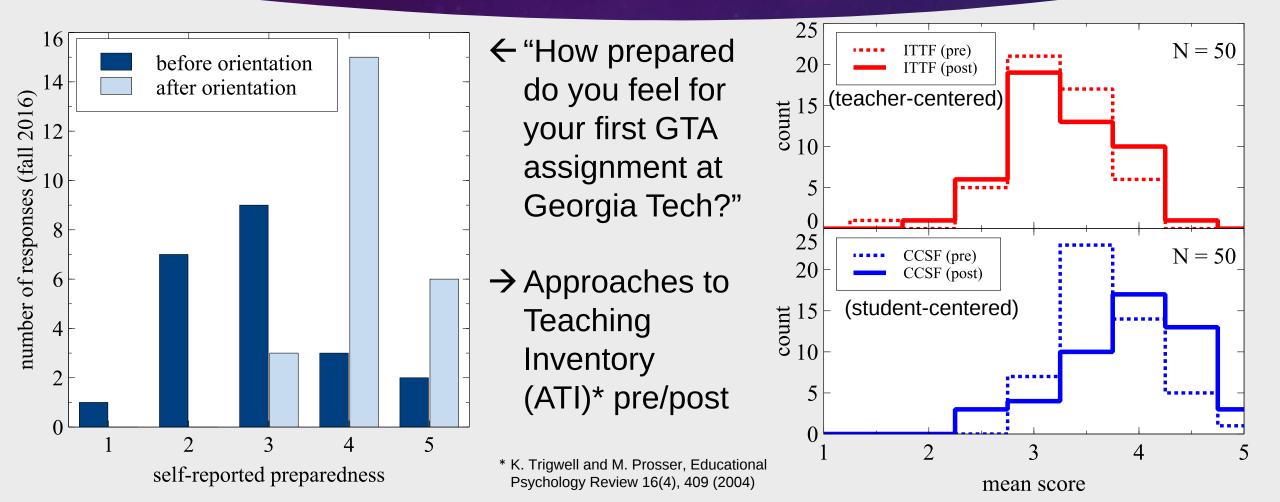
Preparation

Professi

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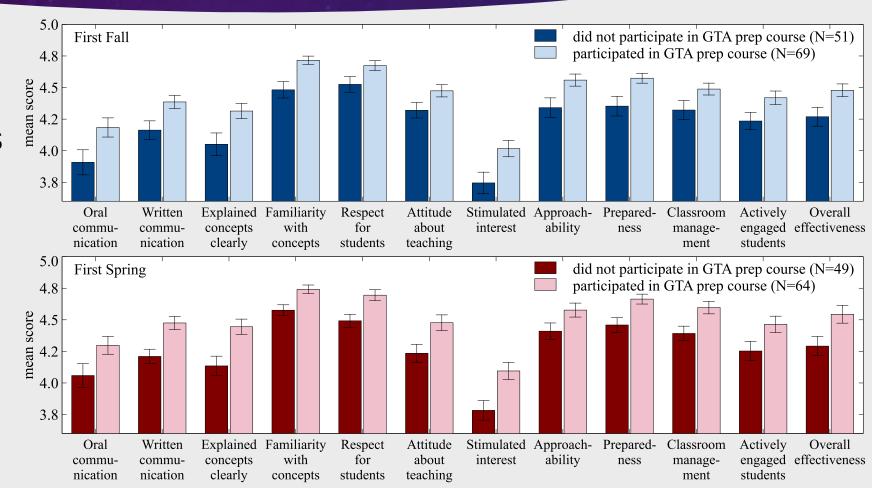
- Established in 2013; prepared 92 grad students to date
- Major goals:
 - Help GTAs develop and apply learner-centered teaching practices
 - Explain physics concepts, address student preconceptions, and facilitate problem solving
 - Give/receive feedback; manage classroom dynamics
 - Identify transferable skills useful for future career

Increases GTA Self-Confidence and Learner-Centered Teaching



Improves Teaching Effectiveness of First-Time GTAs

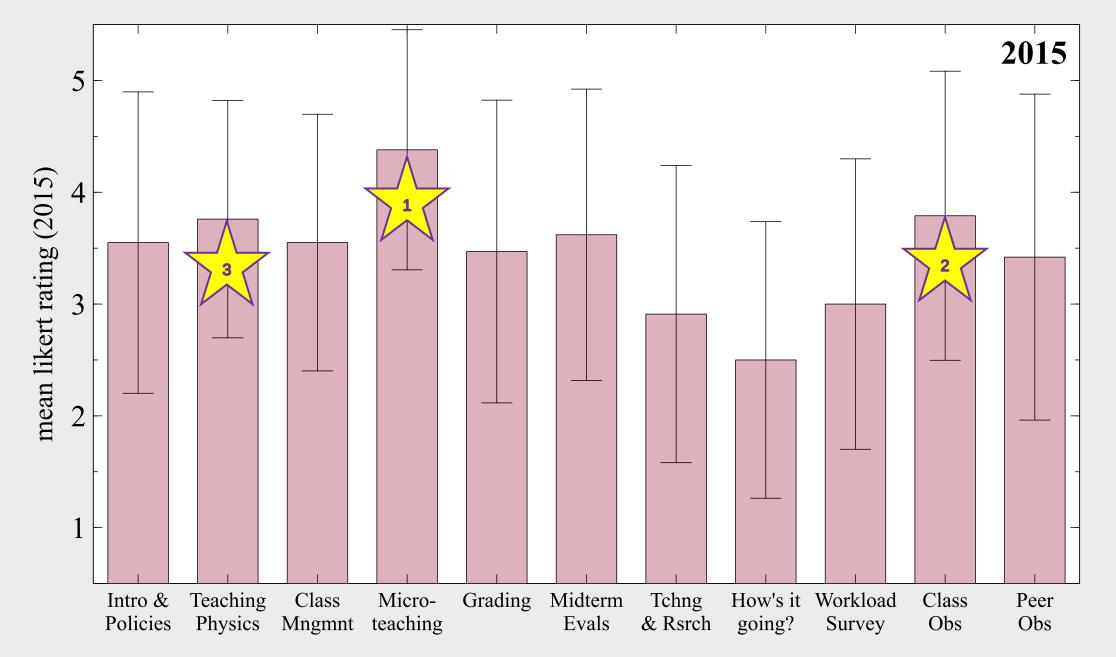
- End-of-semester student evaluations
 - 2011-2012: No GTA Prep (darker colors)
 - 2013-2015: GTA Prep (lighter colors)

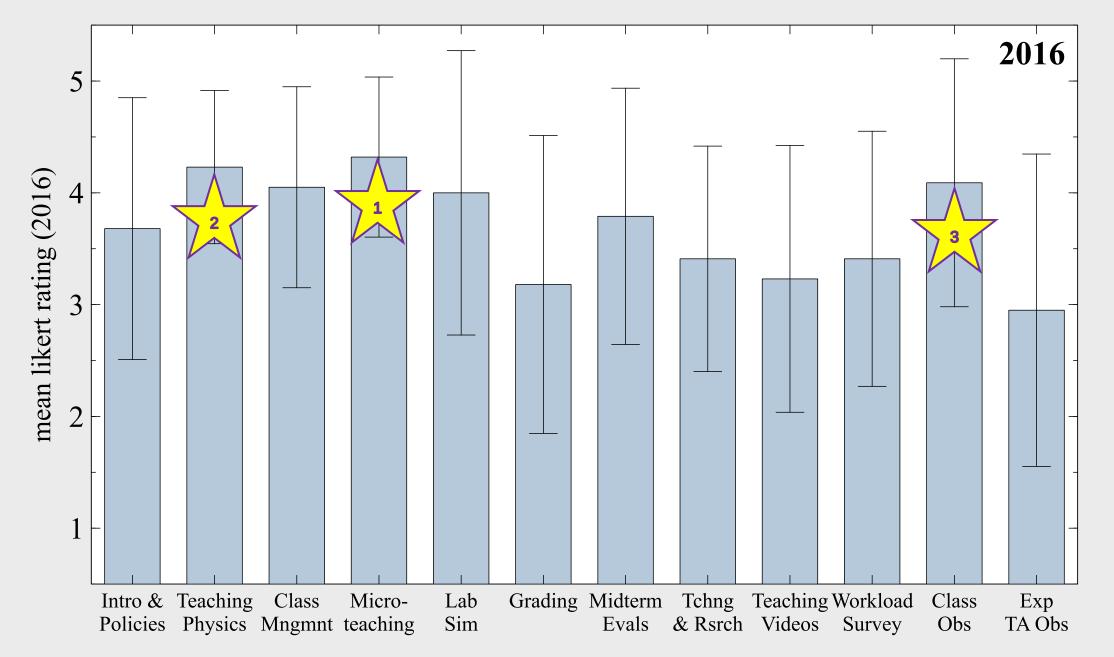


• 2013 and 2014: GTAs asked to identify top 3 most useful course topics

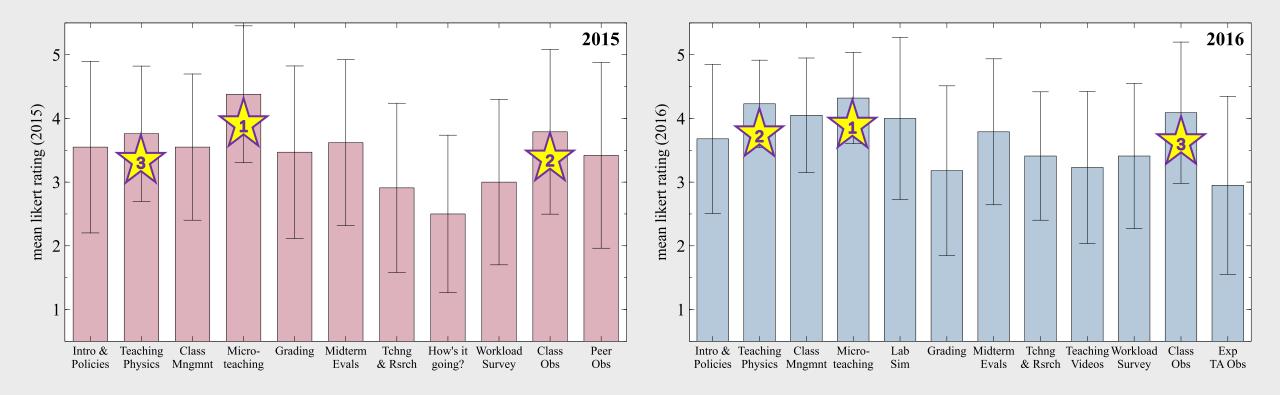
Rank	2013	2014
1	Microteaching	Microteaching / Midterm Evaluations
2	Grading	Classroom Management
3	Midterm Evaluations	Teaching Videos

• 2015 and 2016: five-point Likert survey to evaluate usefulness of topics





• 2015 and 2016: five-point Likert survey to evaluate usefulness of topics



GTAs Prefer Practical Activities

- Microteaching consistently rated most useful course topic
 - Also Midterm Evaluations, Classroom Observations
- More information: PERC Poster
 - Assessing a GTA Professional
 Development Program
 - Thursday 8am, Poster ID: C1

