
Promising Results from a Blended Inclusive Teaching Micro-Credential

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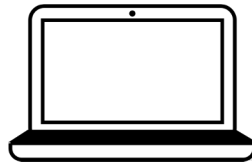
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What is the inclusive teaching micro-credential?

- Expansion of a project that connects to:
 - Internal grant to develop Open edX content
 - Digital Learning Lab impact on campus
 - Biology DEI strategic plan
- Hybrid format: mix of solo computer work, small group discussions, and large group activities (2 x 2 hours)
 - Session 1: Identity and Reflective Teaching
 - Session 2: Distinguishing and Implementing Inclusive Teaching Practices



Content and activities

- Session 1 blended activities
- Online homework
- Session 2 blended activities

✔ Before You Start

✔ Introduction and Setting Expectations

✔ Glossary of Terms

✔ Reflective Tools for Increasing Equity and Inclusivity in Your Classroom

✔ Introduction to Reflective Tools for Increasing Equity and Inclusivity (4 Questions)

✔ Intersectional Identity Activity

✔ Reflective Teaching

✔ After You Finish: Reflective Tools Survey (4 Questions)

✔ Scenario-Based Learning for Applications of Inclusive Teaching

✔ Introduction to Scenario-Based Learning Applications (4 Questions)

✔ Preparing Inclusive Materials

✔ Designing Equitable Instructional Activities and Assessments

✔ Interacting with Diverse Students

✔ Video Critiques

✔ After You Finish: Scenario-Based Applications Survey (4 Questions)

✔ Supporting Next Steps for Building Your Inclusive Classroom

✔ Action Plan (7 Questions)

✔ References, Resources, and Guides

Platform-supported learning

In addition to hosting supportive text, video, and resources, the Open edX platform enables:

Introduction to Reflective Teaching

Being a reflective teacher means that you systematically use self-reflection to critically examine your pedagogical choices, their impact on students, and potential solutions to classroom challenges. Similar to the scientific method, a reflective teaching practice usually starts with a question (e.g., How do I engage my students more? Do I grade assignments fairly? etc.), and then requires you to gather data from multiple sources (e.g., student performance and feedback, peer evaluations, your own observations, etc.), evaluate that information, and draw conclusions to revise your teaching practices accordingly. Reflective teaching is an iterative approach to instruction that is constantly in process. Although in later units of this module we make specific suggestions around more inclusive practices, we want to equip you with more than a list of "dos and don'ts" to encourage the habit of reflection.



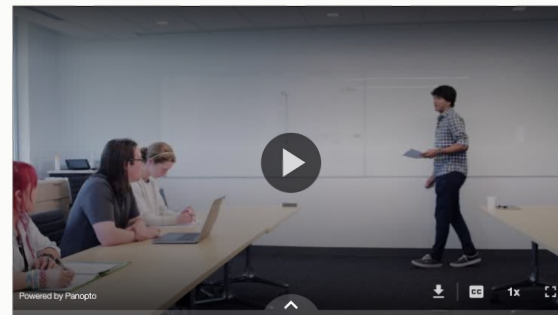
Annotated References and Resources

The activities and information presented in this online module resulted from synthesizing existing resources and scholarly works on inclusive teaching. Here we list a number of references, practical resources, and guides by topic that we found particularly helpful in creating this module. These curated references reflect some of the resources that have informed our thinking about inclusive teaching, although this list is by no means exhaustive. Many contain other links and references from educational research that further support inclusive teaching. Explore each topic by navigating to the pages linked to in the following list. Items with an * denotes that this reference/resource is highly recommended.

- [General Education and Inclusive Syntheses](#)
- [Identity, Bias, and Stereotype Threat in Education](#)
- [Self-Efficacy, Belongingness, and Future-Orientation](#)
- [Frameworks for Accessible, Active, and Remote Learning](#)
- [More Strategies to Engage All Students in Learning](#)
- [Institute-Specific Offices that Support Inclusive Efforts](#)

Small Shifts in Language Make Big Differences

We enter a classroom where Manraj is trying to use humor when closing a discussion. How can we use inclusive language when talking to our students?



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Personal reflections:

- Organized place to write/edit
- Open-ended responses
- Not graded / any response correct

Connecting Identity and Education

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Reflecting on Your Experiences in Education

So far, we have thought deeply about our own intersectional identities. Part of that reflection implicitly involved the different contexts in which we operate. Now it is time to explicitly connect our identities to experiences in education.

Take a moment to answer some of the following questions. Your responses are primarily for your own personal reflection, but may be read by course staff. The content of your responses do not affect the scoring of this exercise, nor will your responses be shared in any identifying way. All responses are marked as correct.

Identity Affirmation in Education

1/1 point (ungraded)

What parts of your identity have been affirmed in the classroom? Think about the times that you felt seen and/or heard in an educational setting. Which aspects of your identity were validated in those moments? Do you notice any patterns about the class culture or content in times you felt affirmed?

I took a Women in War course in college and felt like my identity as a woman was affirmed then. Learning about how women have been resilient and influential throughout history (although often overlooked) in resistance, military, and peace-keeping missions validated my experiences, even as a civilian college student. My grandmother was a British Army Sergeant in WWII so I made an additional personal connection to my familial history and culture. This course was taught by a woman and mostly women were in the class, so I felt like I belonged in this learning environment.

Your response has been recorded. If you make further changes, please press submit again.

Submit

✓ Correct (1/1 point)

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Formative assessments:

- Low stakes
- Unlimited attempts
- Show Answer after attempted

Inviting Participation from Students

1/1 point (ungraded)

You are worried your students are not following what you just said. You asked a question, and there are no hands raised. How do you check student understanding in real time? Select all that apply.

Call on students without their hands raised (cold calling).

Ask students to think about the question, talk about it with a neighbor, and then report back to the class in some way (think/pair/share).

Take a moment and be comfortable in the uncomfortable silence while students think (increase wait time).



Explanation

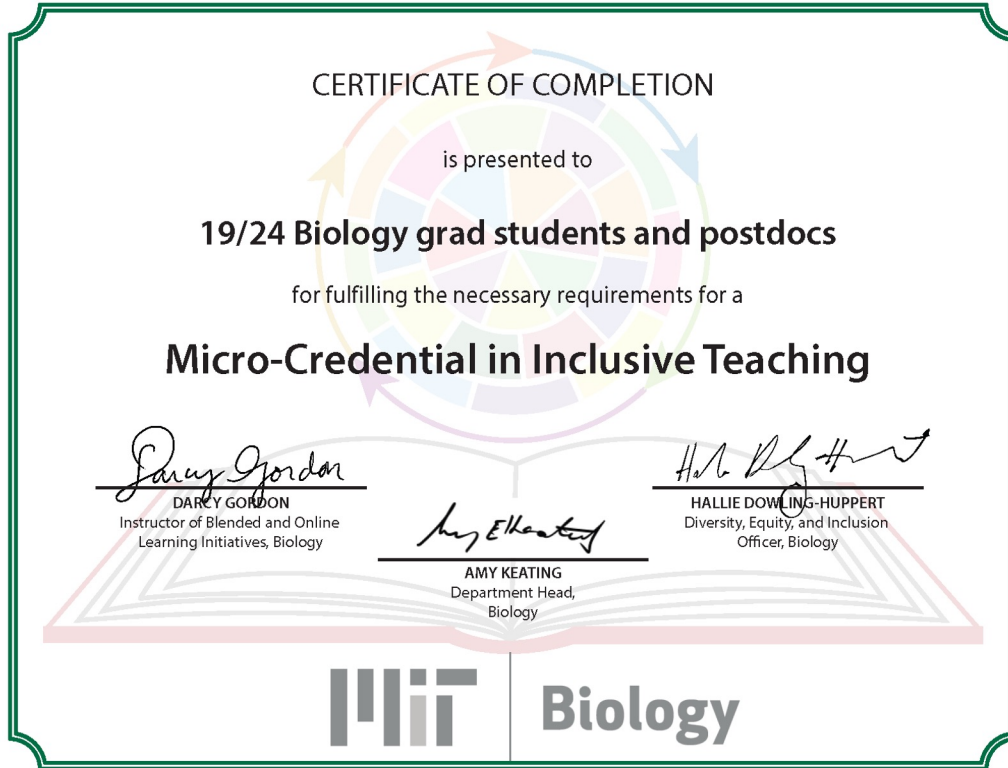
Cold-calling is a tempting way to get participants to speak up quickly, however, it sends the message that students do not have a choice in their participation and it is vulnerable to implicit and participation biases.

If cold-calling is important to you, there are ways to modulate the cold-calling practice to be more inclusive.

- **Make expectations known.** Be clear from the first day that cold-calling is part of the class culture.
- **Give a pass.** Allow students to “pass” on answering without negative consequences.
- **Be truly random.** Use a random-number generator and an attendance spreadsheet, dice, digital apps, or other such tools to ensure the randomness of calling on students.

If you are open to alternative strategies, try something that promotes agency and autonomy, such as the following.

- **Increase wait time.** As experts, we often miscalculate how long it takes for students to answer a question that we already know the answer to. Furthermore, it can be uncomfortable to wait in silence during valuable class time. However, increasing the wait time helps your students collect their thoughts and formulate deliberate responses.
- **Think-pair-share.** Allow your students to think through the question and formulate their answers, and then further explore the question with a partner before sharing out. This active learning strategy that combines wait time and peer instruction. When students have to explain their reasoning to a peer, it helps them articulate and justify their reasoning, and may reveal misconceptions or flawed logic that can be discussed in the pair before sharing out in a more public setting.



Certification

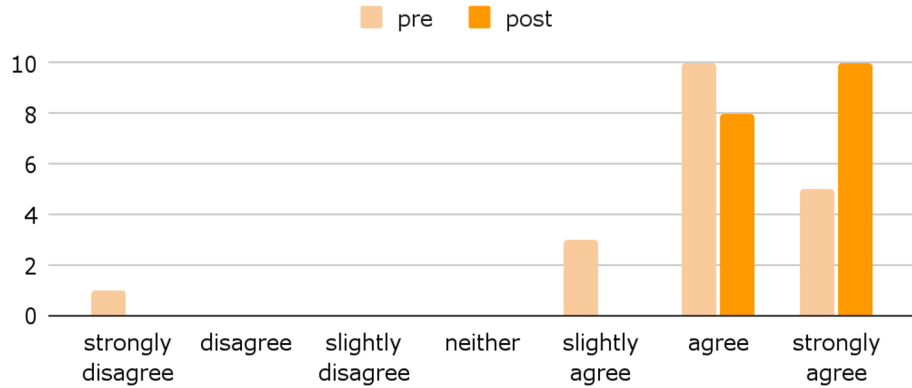
- attend both sessions in person and actively participate in group activities
- complete the online portions of the workshop:
 - pre/post surveys, homework, action plan, and final workshop evaluation
- data download allows for easy grade determination and collection of learning outcome information

Pre/post survey results

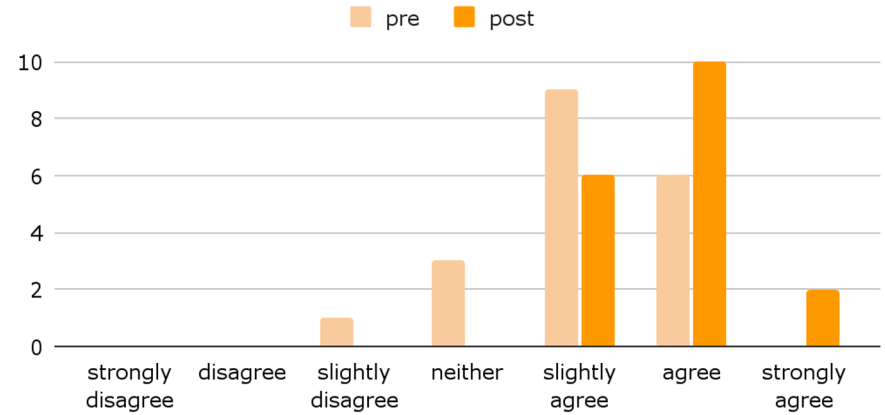
Learning objectives:

- articulate the intersectional identities you hold,
- identify how different teaching practices can be received by diverse audiences,
- assess strategies that promote inclusivity, and
- create an action plan to address inclusivity in your classroom.

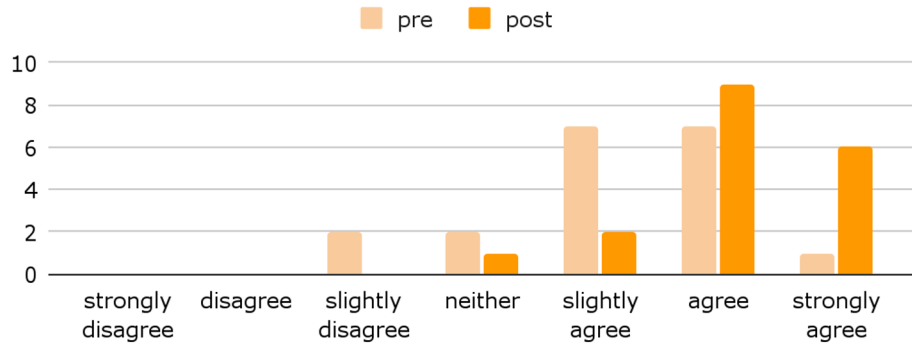
I hold multiple identities that influence how I teach and learn.



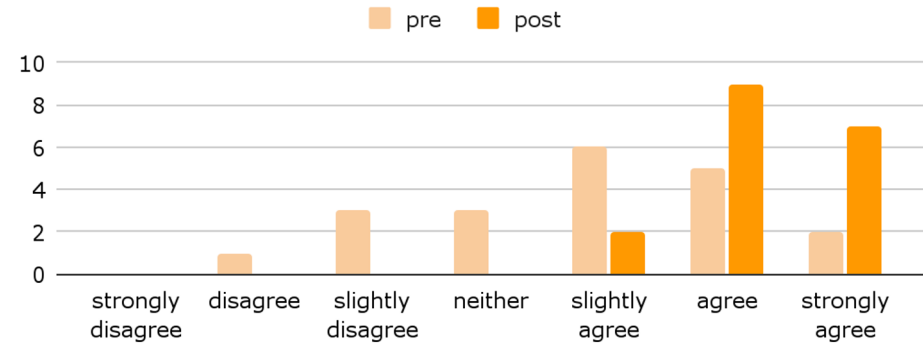
I can relate to the identities held by my students.



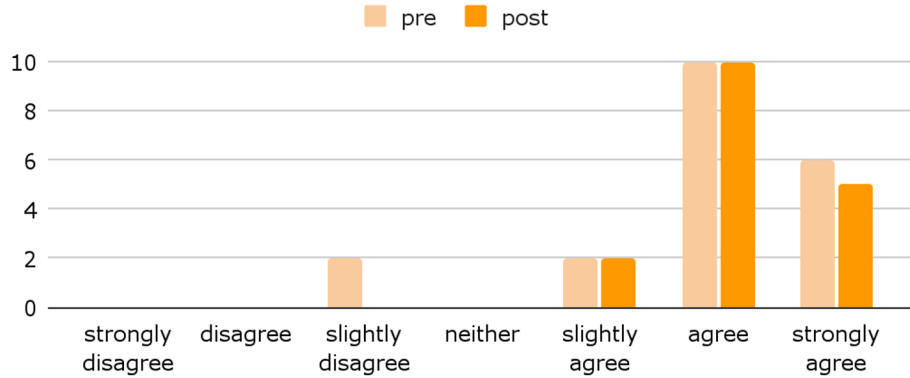
I know what intersectionality means and how it relates to my teaching.



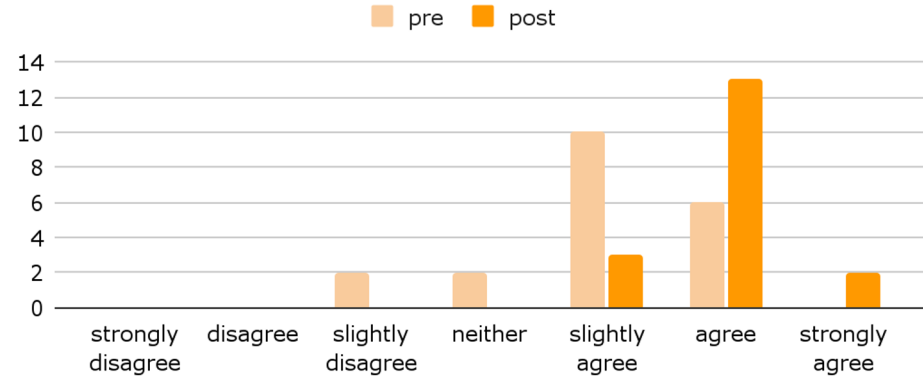
I know how I can use my awareness of my own identity to become a better teacher.



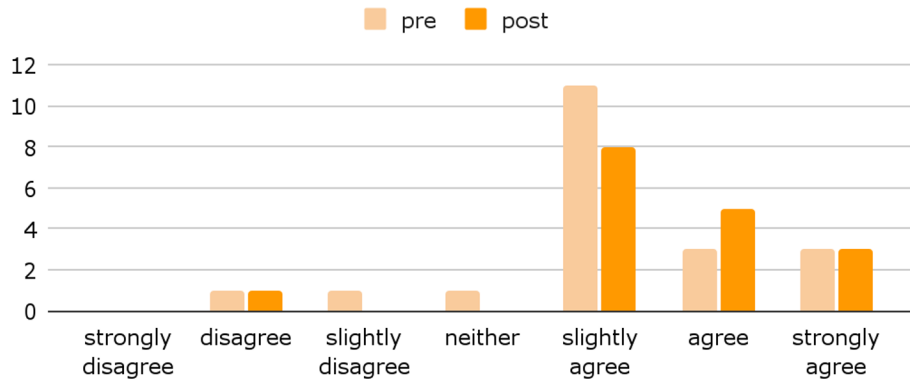
I understand how some common teaching practices can prevent students from learning effectively.



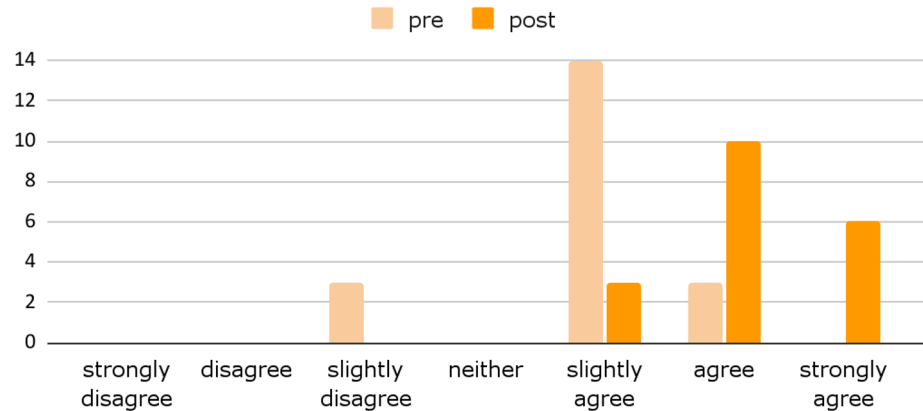
I am confident that I can critically assess the effectiveness of my teaching practices.






I am comfortable having hard conversations about power and privilege.



I know how to make my classroom more inclusive.



Lessons learned

<p>ROSE (successes)</p> 	<p>BUD (promising developments)</p> 	<p>THORN (challenges)</p> 
<p>Optimizes hybrid learning activities</p>	<p>Modular structure - continual development</p>	<p>Tech challenge for some participants</p>
<p>Institutionalizes curriculum</p>	<p>Accessible to entire MIT community</p>	<p>No good way to continually add new cohorts</p>
<p>Gather data on learning outcomes</p>	<p>Integration possible with Canvas</p>	<p>Video integration clunky</p>

Acknowledgements

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- Participant and community input



Thank you!

Find me later to talk more!

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