



RICE UNIVERSITY

Course Coordination: Getting started

2025 CIME Redux

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Calculus at Rice:

Before:

Loosely coordinated:

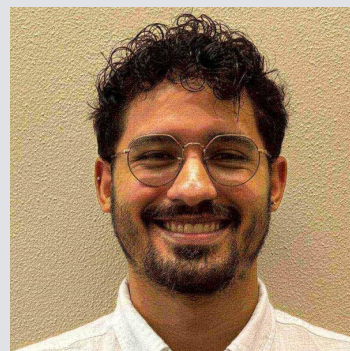
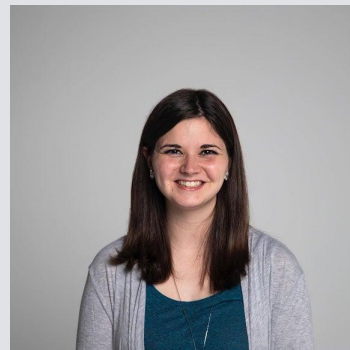
- Guidelines for lecture topics
- Assignments not coordinated (HW, quizzes, participation)
- Common exams
- Grading schemes loosely aligned

After:

Highly coordinated:

- Common lecture schedule
- Shared lesson plans, examples, and activities
- Common HW, quizzes, exams
- Common grading schemes

Who? HHMI Math Team



What?

HHMI Driving Change Initiative Grant

- **5 year grant** to improve & redesign calculus at Rice
 - Opportunity to design highly-coordinated courses
 - Support to develop shared instructional materials
- **Cluster hire** of teaching faculty
 - HHMI Team has the same vision for change
- HHMI Team taught Calc I & II in Academic Year 2024-25

When?

Summer 2024:

- Design learning objectives
- Plan lecture schedule
- Develop common syllabus

AY 2024-2025:

- [Build the train tracks as the train is moving](#)



Summer 2025:

- Refine existing materials
- Create **course guides for instructors**

AY 2025-2026:

- Refine existing materials
- Bring in new postdocs + grad students to teach based on our materials

How?

Head Instructor / “Bus Driver”

- Instructors take turns preparing the materials for each week:
 - HW problems
 - Lesson Plans
 - Activities
 - Quiz problems
 - Exam problems
- Bus driver leads the **weekly meeting** on Thursdays.

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Thank you for listening!



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