

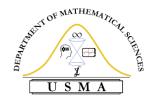
Exploring Applications of Linear Algebra through Low-Stakes Discovery Learning Assessments

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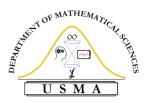




- Primarily Sophomore Mathematics Majors
- First Class in the Major
- Focus on Computation

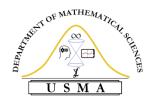


- 3 Projects 25%
- 3 Midterms 30%
- 1 Final 25%
- Instructor Points
 - 7 Quizzes 10%
 - 7 Team Portions 7.5%
 - 7 Reflection Portions 2.5%





- Mostly on the same days as quizzes
- Expose students to applications of material
- Generally not covered on tests



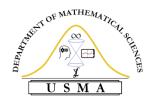
Discover Learning Assessments?

- 1. Night-Before Read Ahead
- 2. In-Class Individual Portion
- 3. In-Class Team Portion
- 4. In-Class Reflection Portion
- 5. Instructor Feedback

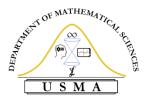




- Heating a Metal Plate
- Inventory
- Rohingya Refugee Flow
- Inclined Plane Physics



- Positives
- Challenges



Thank You!

