

INSTRUCTOR INFORMED CONSENT FORM

Title of the Study: Investigating student learning and sense-making from calculus video lessons

Principal Investigator: Aaron Weinberg, PhD, Ithaca College

Co-investigator: Matthew Thomas, PhD, Ithaca College; Jason Martin, PhD, University of Central Arkansas; Michael Tallman, PhD, Oklahoma State University

Study Sponsor/Funding Agency: National Science Foundation

Invitation to Participate in a Research Study

You are invited to participate in a research study. In order to participate, you must be at least 18 years of age and currently teaching an introductory calculus course. Taking part in this research study is voluntary. You are not required to participate in this study. You may stop or withdraw your participation from this study at any time.

Important Information about this Research Study

Purpose of the study: The goals of this study are to expand our understanding of how students use, make sense of, and learn from calculus video lessons; and to investigate ways to help students learn from video lessons.

If you choose to participate, you will be asked to participate in a professional development workshop prior to the beginning of the Fall, 2019 semester, which will be split up into two sessions; provide a written description of how you incorporated the instructional videos into your instruction; provide class rosters (to provide you with information from your students' progress) and assign videos to your students.

The total time commitment for participation is approximately 5-6 hours.

Risks and discomforts associated with this research: There are minimal risks involved in this study.

Direct benefits to the participants: You will learn about and have access to high-quality instructional videos to use in their classes, and will also have access to data about your students' scores on the pre- and post-video calculus problems.

Please read this entire form and ask questions before deciding whether you would like to participate in this research study.

1. Purpose of the Study

The goals of this study are to expand our understanding of how students use, make sense of, and learn from calculus video lessons; and to investigate ways to help students learn from video lessons.

2. Benefits of the Study

The results of this study will be used to improve math videos and help students learn calculus more effectively.

3. What You Will Be Asked to Do

If you choose to participate, you will be asked to participate in a professional development workshop prior to the beginning of the Fall, 2019 semester (approximately 5 hours, split over two sessions); provide a written description of how you incorporated the instructional videos into your instruction (approximately 30 minutes); provide class rosters (to provide you with information from your students' progress); and assign videos to your students (approximately 1 hour). To participate, you must be over 18 years of age and teaching an introductory calculus course.

4. Withdrawal from the Study

You are free to withdraw at any time without penalty. If you opt to withdraw, you will be compensated for completed participation up to that point. You may opt to have all of your responses removed from the data, or allow your responses up to withdrawal to be included. You can do this by emailing any of the researchers.

5. Risks

There are minimal risks involved in this study.

6. How the Data will be Maintained in Confidence

All names or other identifying features will be removed from data. Responses will be reported in aggregate or will use a pseudonym, and will not include any identifiable information. Data may be stored on a password-protected Amazon S3 server; only the research team will have access to this server. Data will be kept for a minimum of 3 years on a password-protected computer.

7. Use of information beyond this study

Identifying information may be removed and this de-identified information used for future research without additional informed consent from the participant.

8. Compensation for Injury

If you suffer an injury that requires any treatment or hospitalization as a direct result of this study, the cost for such care will be charged to you. If you have insurance, you may bill your insurance company. You will be responsible to pay all costs not covered by your insurance. Ithaca College will not pay for any care, lost wages, or provide other financial compensation.

9. If You Would Like More Information about the Study

If you would like any additional information, you may contact the following members of the

research team: Aaron Weinberg at aweinberg@ithaca.edu, Matt Thomas at mthomas7@ithaca.edu, Michael Tallman at michael.tallman@okstate.edu, or Jason Martin at jasonm@uca.edu.

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I have read the above and I understand its contents. I agree to participate in the study. I acknowledge that I am 18 years of age or older.

Print or Type Name

Signature

Date