



**HOLCOMBE INSTITUTE FOR TEACHING & LEARNING EXCELLENCE  
CLASSROOM RESEARCH AWARD EVALUATION**

*Human Resources – Holcombe Institute • 225 East Las Olas Boulevard • Fort Lauderdale, Florida 33301 • 954-201-7339*

**Please complete this form for the research project that you conducted for the Classroom Research Award. This information will be reviewed in order to evaluate the effectiveness of your research. Your evaluation and supporting documentation will be posted on the HI Website. Use additional paper where necessary.**

**Note: Please submit this form and supporting documentation within 30 days of the completion of your project to Office of Professional Development & Training, B31 - R605, WHC. In addition, you will need to attach an electronic copy of the application to an email and forward to [ProfDevTrng@broward.edu](mailto:ProfDevTrng@broward.edu).**

**MUST BE TYPED**

Name:	<b>Jody Harris</b>	Date:	<b>6/12/2008</b>
Signature:			
Title of Research Project:	<b><u><a href="#">Does Incorporating Supplemental Online Video Instruction into a Traditional Intermediate Algebra Course Increase Student Success?</a></u></b>		
Project Completion Date:			

**1. State the problem/idea you researched/examined.**

Traditional teaching methods like lecturing and modern pedagogical methods are not working anymore and we as educators must change our ways of teaching. I believe that improved teaching methods will increase math retention rates. The only way to find new methods of teaching that work is by experimenting. I believe that I may have found an additional resource to offer our students that may in fact, increase student retention and success.

The students are given a sample examination 10 days before every test with sample questions so they know what to expect on the test. I created 190 instructional videos, which correlate to every question on each of the sample exams including the sample final exam. These videos work out every problem in detail so they serve as a review of the major concepts and demonstrate the correct process that the student should use. These videos are available 24/7 to my students through my website after the in-class review. This gives students virtual support outside of the classroom.

Findings will either support or not support the use of incorporating online video instruction in conjunction with classroom instruction in Intermediate Algebra to increase student success.

## 2. Provide a summary of the results of your research.

The six classes with videos did better in every way than the six classes that did not have access to the videos.

The students who used the videos were consistently more successful than the students who did not use the videos. I compared the six classes who did not have video access to the six classes that did have video access. The 4% increase of student success is really more because not all of the students who had access to the videos used them.

	A, B, and C's	D and F's	W and X's	Percent Passing (A, B, and C's) *
<b>With Videos</b>	111	64	53	<b>49%</b>
<b>Without Videos</b>	107	66	65	<b>45%</b>

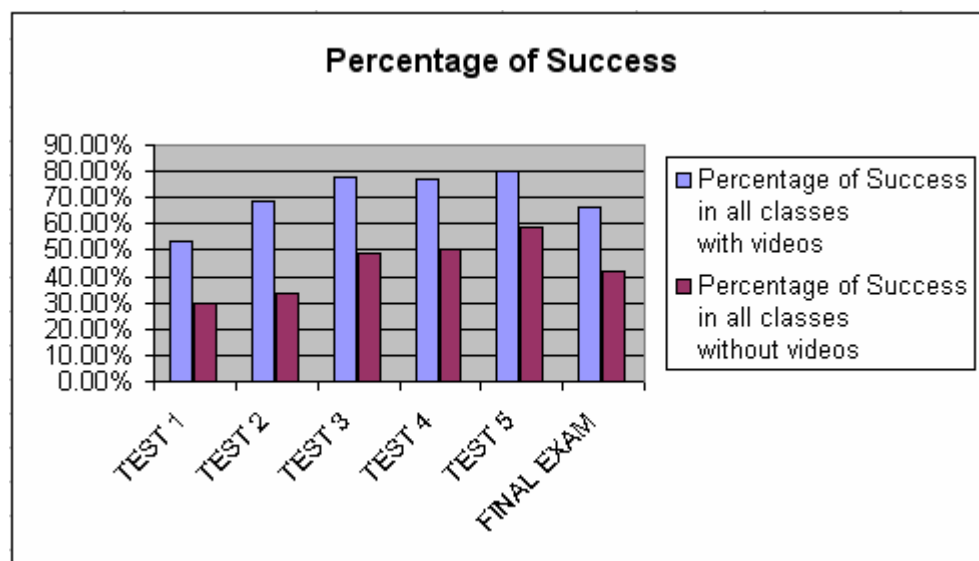
\*Note: The percentage of students passing each course was calculated only using the number of students who received an A, B, C, D, F, X, or W. It does not include the students who dropped the class before the drop date.

There were a total of 228 students in the six classes with videos access and 238 students in the six classes without video access after the drop date.

Let's focus on the six classes where students had access to the videos. Some students did not use the videos even though they were available.

	Percentage of Success in all classes with videos	Percentage of Success in all classes without videos
TEST 1	53.25%	30.00%
TEST 2	68.29%	33.90%
TEST 3	77.45%	48.68%
TEST 4	77.27%	50.00%
TEST 5	80.00%	58.75%
FINAL EXAM	66.30%	41.94%

The graph below is based on the chart above.



**3. Please describe the methods you used to evaluate the effectiveness of your project. Include any quantitative and/or qualitative supporting data.**

- I made a detailed analysis that compared student's averages by grade for both the experimental group and the control group. (See Attachment A.)
- I made a detailed analysis for the six classes who had the opportunity to access the videos and compared the class average for the students who used the videos versus the students who did not use the videos. (See Attachment B.)
- I made a summary analysis and graph for the six classes who had the opportunity to access the videos comparing the percentage of success by test for the students who used the videos with the students who did not use the videos. (See above Question 2.)

**4. If applicable, identify what prevented you from achieving maximum results.**

I am very pleased with the results of my research. It is apparent that I am heading in the right direction.

I think that students who have access to a home computer and the Internet had an advantage over the students who had to come to the library or another venue to access the videos.

**5. Please attach copies of any evaluation forms (or a summary of those forms) that you used.**

N/A

**6. Specifically, how do you intend to share the results of your classroom research with the BCC community?**

I co-facilitated a workshop during Professional Development Day that presented my videos as an additional resource for my students.

**7. In what ways might faculty from other disciplines apply your research?**

It has become clear to all educators that additional resources regardless of their form are beneficial to the success of our students. Students, especially in math, need additional support and having that support in the form of a 24/7 access seems to be not only helpful but also received well from our students.

My documented results were consistent with my beliefs and efforts.

**8. List additional comments about your research that you wish to discuss with the HI or ideas for future follow-up studies in your discipline or other disciplines.**

I appreciate the opportunity, support, and funding that BCC provides to their professors so that we can help find new and innovative ways to increase student success. I hope that BCC continues this program in the future.

Submit this application via EMAIL to [ProfDevTrng@broward.edu](mailto:ProfDevTrng@broward.edu)

AND

Send the ORIGINAL (HARD COPY) to

Office of Professional Development & Training

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