

## WILLIAM MCCURDY

wemccurdy@ua.edu

### CURRENT EMPLOYMENT

Full Time Instructor - University of Alabama

### EDUCATION

Master of Arts, Mathematics The University of Alabama, Tuscaloosa Alabama	December, 2012 GPA: 3.23
Bachelor of Science, Mathematics <i>Troy University, Troy AL.</i>	May, 2009 3.667
High School Diploma <i>Zion Chapel High School</i>	June, 2005 4.0

Undergraduate course work: Major – Mathematics; Minor – Social Science

- Mathematical Statistics 1 and 2, Real Analysis 1 and 2, Linear Algebra, Abstract Algebra, College Geometry, Topology, Physics 1 w/ Calc. , Educational Psychology, Classroom Management, Curriculum and Instructional Delivery, Psychological Statistics

Graduate course work: Emphasis Pure Mathematics and Education

- Mathematical Statistics 1 and 2, Real Analysis 1 and 2, Introduction to Topology, Algebraic Topology, Abstract Algebra 1 and 2, Numerical Analysis 1 and 2, Numerical Linear Algebra, Applied Graph Theory, Complex Analysis, Structural Equation Modeling, Inquiry as Interpolation, College Math Education Research.

### EXPERIENCE

Full Time Temporary Instructor <i>The University of Alabama</i>	August 2013 – Present
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Courses taught:

Fall 2013:	Math 110 – Finite Mathematics, Two sections
	Math 121 – Calculus with Applications, Two sections
Spring 2014:	Math 110 – Finite Mathematics, Two sections
	Math 113 – Pre-Calculus with Trig. , Two sections
Fall 2014:	Math 110 – Finite Mathematics, Three sections
	Math 112 – Pre-Calculus with Alg. , Two sections
Spring 2015:	Math 110 – Finite Mathematics, Five sections
	(one section online)
Fall 2015:	Math 110 – Finite Mathematics, Two sections
	Math 100 – Intermediate Algebra, Three sections
Spring 2016:	Math 110 – Finite Mathematics, Two sections
	Math 113 – Pre-Calculus with Trig. , Two sections

Graduate Teaching Assistant  
*The University of Alabama*

August 2009 – August 2013

Teaching two courses a semester, while taking courses and working on a Doctoral Thesis

Courses taught:

Fall 2010: Math 100 – Intermediate Algebra, Two sections

Spring 2011: Math 121 – Calculus and Applications, Two sections

Fall 2011: Math 121 – Calculus and Applications, Two sections

Spring 2012: Math 121 – Calculus and Applications, Two sections

Fall 2012: Math 121 – Finite Mathematics, Two sections

Spring 2013: Math 113 – Pre-Calculus Trigonometry

Lab Assistant  
*Physics Lab, Troy University*

August 2008 – May 2009

- Set up all laboratory experiments for Physical Science, Physics 1, Physics 1 with Calculus, Physics 2, Physics 2 with Calculus, and Optics
- Assist a tenured professor in a plasma physics research laboratory, presented findings at a state science and mathematics conference.

## SKILLS

### Communication

- Awarded “Outstanding Teaching by Doctoral Candidate” in Mathematics Department
- Aside from teaching courses, I have facilitated numerous small groups and taught Sunday school classes. I have also delivered several sermons to groups of various sizes.
- Certified in Online Education through U. of Alabama College of Continuing Studies

### Leadership

- I hosted a lecture series for graduate students in the Math department at University of Alabama. This required me to schedule meetings at a time that did not conflict with the schedules of forty graduate students, find speakers, advertise the meetings, and reserve a location for each presentation.
- Take initiative to aid coworkers when I see it is needed
- Willing to cover the shifts of coworkers when necessary
- Serve as Course leader for Math 110 (Finite Math). Required to supervise fellow Instructors and Graduate Assistants who teach individual sections of the course to ensure that they stay on pace and keep the class experience and requirements as uniform as possible.

### Microsoft Office

- Proficient in Word and PowerPoint
- Comfortable with Excel and Outlook

### Proficient use of Mathematics Learning Software

- Pearson MyLabsPlus (MyMathLab)
- Hawkes Learning
- Cengage Enhanced WebAssign

### Use of Blackboard Learn

- Blackboard Collaborate
- Creating and editing grading schemas
- Importing and exporting graded column scores
- Uploading files for student use