

# Abushieba Abas Ibrahim, Ph.D.

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 <http://www.broward.edu/zext/ext/FacultyDisplay.jsp?Name=AIBRAHIM>



Highly motivated educational professional with strong background in Mathematics. Talented in explaining complicated mathematical concepts in a clear manner. Focused on achieving results by developing, implementing educational technology driven solutions and unique teaching strategies to effectively engage all students. Proficient in written and verbal Arabic.

## Employment History

2007 –Present  **Broward College *Full-time Professor***

- Instructs all pre-requirement and high level college Math. (MAT 1033, MAC1105, MAC1147, MAC1140, MAC1114, MAC2311/12, MAC2233, MGF 1106/1107).
- Develop and manage the class syllabus and ensuring that the syllabus meets department and college standards.
- Plan and create in-class exercises and assignments.
- Grade quizzes and exams.
- Assess grades for students based on participation, performance in class, assignments and examinations.
- Collaborate with colleagues on course curriculum.
- Advise students on how to be successful in class during office hours.
- Provide tutoring services through ASC.

2008 –Present  **Miami Dade College *Part-Time Adjunct Faculty***

- Teach high level college Math (MAC1105, MAC1140/MAC1114).
- Grade quizzes and exams.
- Evaluate student work and maintain their records.

2009 –Present  **Nova Southeastern University *Associate lecture***

- Teach six(6) courses (or the equivalent) during the 12 month period.
- Advise students on how to be successful in class during office hours.
- Assess grades for students based on participation, performance in class, assignments and examinations

2004 –2007  **Stepping out Inc.- Ft. Lauderdale, FL *General Manager.***

## Employment History (continued)

2002 –2004  **Gasim Private School**

- Gathered Project Requirements for School.
- Provide outstanding interpersonal , written communication and oral communication skills.
- Organized , and balanced internal priorities and work independently.
- Managed timely delivery results and met critical datelines for school plan.

## Education

2016  **Ph.D., Sudan University of Science and Technology, Sudan** in Pure Mathematics  
Thesis title: *Gradient Flows and non-Contraction of Heat Flow on Metric and Minkowski Spaces*

2009  **MBA, American Intercontinental University, USA** in Master of Business Administration

2006  **M.Sc. Master of Science in Mathematics, Nile Valley University, Sudan.**

2003  **B.Sc. (Hons) Mathematics,Sudan University of Science and Technology, Sudan.**

## Projects

2019-2020  **The Women in STEM Mentoring Program** :A group comparison funded by Scholarship of Teaching & Learning (SoTL) and Faculty Innovation Grants. Collaborative Dr. Denise Rodriguez & Dr. Abushieba Ibrahim 2019-2020.

2018-2019  **Catalyzing Change in Calculus:** This project at Florida International University will advance the aims of the HSI Program by increasing the success of students in calculus. Leveraging a partnership with Broward College, this project will implement Modeling Practices in Calculus, a student-centered curriculum in which students learn calculus by engaging in the authentic practices of mathematicians

## Skills

Languages	 Strong reading, writing and speaking competencies for Arabic.
Coding	 L <sup>A</sup> T <sub>E</sub> X, Maple 6, and Mathematica
Web Dev	 HTML.
Misc.	 Academic research, teaching, training, consultation, L <sup>A</sup> T <sub>E</sub> X typesetting and publishing.
Software	 MY MATH LAB , Aleks, Webassign, and connectMath

## Miscellaneous Experience

### Awards

2010  **Adjunct Professor of the year**

2014  **Adjunct Professor of the year.**

## Miscellaneous Experience (continued)

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### Certification

2020  **Association of College and University Educators (ACUE):**This course is offered by Broward College Upon successful completion, participants receive a Certificate in Effective College Instruction endorsed by the American Council on Education.

2017  **Lean six Sigma.** Awarded by Broward College

2016  **Emerging Scholar.** Awarded by Quality Enhancement Plan.

2010  **Learning Communities.** Awarded by South Campus Learning Communities.

### Professional Development

-  Adjunct Faculty Summer Institute; completed June 2010.
-  Completed over 300 hours of Professional Development on various topics at Broward College and Miami Dade College.
-  Served on screening committee for Associate Dean of Math.
-  Served on Grade Appeal committee 2017-present.
-  Book committee member for MAT1033 MAC1105/MAC1114/MAC1140/MAC1147 and MAC2311.
-  Created commissioned and non commissioned courses (MAC11140 MAC1114 and MAC2311/2312).
-  Member of the Association of Florida Colleges (AFC).
-  Represented Broward College at the “E- learning Africa International Conference” in Ghana in May 2008.
-  Attended *IT ALL ADDS UP* Conference in San-Diego, CA March 2017.
-  Attended *Science and Engineering for Social Good* conference in Atlanta ,Georgia in February 2018\_ sponsored by National Center for Science and Civic Engagement.
-  Attended *ICTCM conference Pearson* March 2018 in Washington, DC

### References

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Available on Request