Maher Abdul Kader Salim

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Objective:

Highly accomplished mathematics scholar with a Ph.D. in Pure Mathematics and extensive teaching experience at the Faculty of Engineering, NUB University. Seeking to leverage my proficiency in innovative teaching methodologies and my significant contributions to mathematical research in a challenging academic role. Recognized for my ability to inspire students and foster their analytical skills, I am dedicated to continuing my journey in mathematics education.

Education:

Ph.D. in Pure Mathematics *Ain Shams University, Faculty of Science, Cairo, Egypt, 2010-2013*

M.Sc. in Pure Mathematics *Ain Shams University, Faculty of Science, Cairo, Egypt, 2006-2009*

B.Sc. in Pure Mathematics *Aleppo University, Faculty of Science, Aleppo, Syria, 2000-2004*

Professional Experience:

Mathematics Faculty, Faculty of Engineering, NUB University, 2013-Present

- Delivered a wide range of mathematical and statistical courses to diverse student bodies, using the latest pedagogical techniques.

- Taught a broad spectrum of mathematical topics, adjusting the teaching style to suit class sizes ranging from 2 to 195 students.

- Fostered a love for mathematics and nurtured analytical thinking in students through innovative teaching methodologies.

(Note: For a detailed account of courses taught, please follow the attached appendix.)

Skills:

- **Languages:** Fluent in Arabic, proficient in English (IELTS score B2 2019-APTIS 170/200)

- **Computer Knowledge:** Proficient in Windows, MS Office, and various online teaching platforms.

- **Innovation:** Experienced in the application of latest teaching methodologies in mathematics education.

Scientific Publications:

A number of my papers, particularly those co-authored with M.A. Seoud, have been published in esteemed journals such as Ars Combinatoria and the Turkish Journal of Mathematics. These works have been recognized and indexed by Thomson Reuters, and featured in "A Dynamic Survey of Graph Labeling" by Professor Joseph A. Gallian.

(Note: For a comprehensive list of publications, please follow the attached appendix.)

References:

- *Professor Mohammed Abdul-Azim Seoud*, Professor of Pure Mathematics, Ain Shams University, Cairo, Egypt. Email: m.a.seoud@hotmail.com | Tel: +201002295989

- *Professor Reda Amin El Barkoky*, Professor of Mathematics, Engineering Faculty, Ain Shams University, Cairo, Egypt. Tel: +201227340501

Committed to fostering a deeper understanding and appreciation of mathematics in students.

Appendix

I've had the privilege of contributing to the field of Pure Mathematics with several papers, many of which have been published in internationally recognized journals, indexed by Thomson Reuters:

- Some results and remarks on harmonic mean and mean cordial labelings, with
  M.A. Seoud, Ars Combinatoria Vol.133, (July 2017) pp.329-340, (SCIE).
- Upper bounds of four types of graph labelings, with M.A. Seoud, Ars Combinatoria, Vol. 127, (July 2016) pp. 271-278. Canada**,** (SCIE).
- Further results on edge-odd graceful graphs, with M.A. Seoud, Turkish Journalof Mathematics, 40, (2016), 647-656. Turkey, (SCIE).
- On mean graphs, with M.A. Seoud, Ars Combinatoria, Vol. 115, (July 2014) pp.13-34. Canada**,** (SCIE).
- Further Results on triangular sum graphs, with M.A. Seoud, International Mathematical Forum, Vol. 7, 2012, No. 48, 2393 – 2405. Bulgaria.
- On permutation labeling, with M.A. Seoud, J. Egyptian Math. Soc. Volume 19,Issue 3, October 2011, Pages 134-136. Egypt.
- On odd mean graphs, with M.A. Seoud, Utilitas Mathematica, Vol.84, (March2011) pp. 119 – 130. Canada, (SCIE).
- Two upper bounds for prime cordial graphs, with M.A. Seoud, Journal ofCombinatorial Mathematics and Combinatorial Computing Vol.75 (2010) pp.
  95-103. Canada.

EXPERIENCE:

The experience since the academic year 2013-2014

Academic Year	Term	Course Name	Weekly Hours	Number of students	place
2022-2023	Fall	BAS011 Mathematics (1)	3	157 English	Faculty of Engineering, NUB University
	Fall	BAS121 Mathematics (4)	2	3 English	Faculty of Engineering, NUB University
	Fall	BAS122 Probability and Statistics	2	60 English	Faculty of Engineering, NUB University
	Spring	BAS011 Mathematics (1)	3	68 English	Faculty of Engineering, NUB University
	Spring	BAS021 Mathematics (2)	3	102 English	Faculty of Engineering, NUB University
	Spring	BAS122 Probability and Statistics	2	13 English	Faculty of Engineering, NUB University
	Spring	BAS121 Mathematics (4)	2	39 English	Faculty of Engineering, NUB University
2021-2022	Fall	BAS011 Mathematics (1)	3	52 English	Faculty of Engineering, NUB University
	Fall	BAS122 Probability and Statistics	2	125 English	Faculty of Engineering, NUB University
	Spring	BAS021 Mathematics (2)	3	39 English	Faculty of Engineering, NUB University
	Spring	BAS121 Mathematics (4)	2	70 English	Faculty of Engineering, NUB University
	Spring	BAS122 Probability and Statistics	2	29 English	Faculty of Engineering, NUB University
	Summer	BAS021 Mathematics (2)	3	12 English	Faculty of Engineering, NUB University
	Summer	BAS121 Mathematics (4)	2	13 English	Faculty of Engineering, NUB University
2020-2021	Fall	BAS011 Mathematics (1)	3	63 English	Faculty of Engineering, NUB University
	Fall	BAS121 Mathematics (4)	2	3 English	Faculty of Engineering, NUB University
	Fall	MTH411 Mathematics 5	3	16 English	Faculty of Engineering, NUB University
	Spring	BAS121 Mathematics (4)	2	25 English	Faculty of Engineering, NUB University
	Spring	BAS021 Mathematics (2)	3	101 English	Faculty of Engineering, NUB University
	Spring	BAS011 Mathematics (1)	3	35 English	Faculty of Engineering, NUB University

	Summer	**BAS021** **Mathematics (2)**	3	32 English	Faculty of Engineering, NUB University
	Summer	**BAS121** **Mathematics (4)**	2	8 English	Faculty of Engineering, NUB University
2019-2020	**Fall**	**Mathematics 1**	3	195 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 3**	3	120 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 2**	3	126 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 4**	3	34 English	Faculty of Engineering, NUB University
2018-2019	**Fall**	**Mathematics 1**	3	175 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 3**	3	75 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 2**	3	147 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 4**	3	62 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 4**	3	2 English	Faculty of Engineering, NUB University
2017-2018	**Fall**	**Mathematics 1**	3	128 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 3**	3	75 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 5**	3	16 English	Faculty of Engineering, NUB University
	Fall	**Statistics& Probability Theory**	3	15 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 1**	3	35 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 2**	3	115 English	Faculty of Engineering, NUB University

	Summer	**Mathematics 1**	3	5 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 2**	3	29 English	Faculty of Engineering, NUB University
2016-2017	**Fall**	**Mathematics 1**	3	86 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 3**	3	70 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 5**	3	18 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 1**	3	25 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 2**	3	76 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 3**	3	7 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 4**	3	65 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 2**	3	27 English	Faculty of Engineering, NUB University
2015-2016	**Fall**	**Statistics and Engineering Systems**	2	440 Arabic	15 May Higher Institute of Engineering
	Fall	**Mathematics 1**	3	68 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 2**	3	33 English	Faculty of Engineering, NUB University
	Fall	**Mathematics 3**	3	88 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 1**	3	23 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 2**	3	68 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 3**	3	45 English	Faculty of Engineering, NUB University
	Spring	**Mathematics 4**	3	88 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 1**	3	10 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 2**	3	50 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 5**	3	10 English	Faculty of Engineering, NUB University
2014-2015	**Fall**	**Statistics and Engineering Systems**	2	540 Arabic	15 May Higher Institute of Engineering
	Spring	**Mathematics 2**	3	30 English	Faculty of Computer Sciences, NUB University
	Summer	**Mathematics 1**	3	10 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 2**	3	63 English	Faculty of Engineering, NUB University
	Summer	**Mathematics 3**	3	5 English	Faculty of Engineering, NUB University
2013-2014	**Fall**				
	Spring	**Mathematics of Finance**	3	70 English and 365 Arabic	Thebes Academy
	Spring	**Probability and Statistics**	3	150 English	Thebes Academy
	Spring	**Business Mathematics**	3	111 English and 400 Arabic	Thebes Academy
	Spring	**Discrete Structures**	2	2 English	Thebes Academy

	Summer	**Mathematics of Finance**	3	7 English and 30 Arabic	Thebes Academy
	Summer	**Probability and Statistics**	3	14 English and 84 Arabic	Thebes Academy
	Summer	**Business Mathematics**	3	7 English and 40 Arabic	Thebes Academy
	Summer	**Analytical geometry and Algebra**	2	8 English	Thebes Academy

AIN SHAMS UNIVERSITY

CERTIFICATE

030187

Date: 22/ 12/ 2013

Name of Student	Maher Abdulkader Salim //
Degree Awarded	Ph . D. in Pure Mathematics //
Subject of Study	Different Types Of Graph Labelings //
Faculty Approval	9/12/2013
University Approval	University President Approval on 19/12/2013 on Mandate of the University Council on 23/9/2013

Azza

Approved

Secretary General

Seham
Maha

Registrar

Eman

Mohamed
M. El deeB

G. Manager

A. A. Bmal
24 12 2013

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