



Rabab Mohammed Mousa

POSITION: Assistant Professor

### Personal Data

Nationality | Saudi

Department | Curriculum and Teaching Methods

Official UoD Email | rmmousa@iau.edu.sa

Office Phone No. | 38594

### Language Proficiency

| Language | Read | Write | Speak |
|----------|------|-------|-------|
| Arabic   | ✓    | ✓     | ✓     |
| English  | ✓    | ✓     | ✓     |
| Others   |      |       |       |

### Academic Qualifications (Beginning with the most recent)

| Date     | Academic Degree                   | Place of Issue                 | Address             |
|----------|-----------------------------------|--------------------------------|---------------------|
| Dec 2016 | Doctor of Philosophy              | Southern Illinois University   | Carbondale, IL, USA |
| Jul 2009 | Master of Education               | King Abdulaziz University      | Jeddah, SA          |
| Nov 2001 | Bachelor of Science and Education | College of Education for Girls | Jeddah, SA          |

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

|        |  |
|--------|--|
| PhD    | MATHEMATICS TEACHERS' READINESS AND ATTITUDES TOWARD IMPLEMENTING INTEGRATED STEM EDUCATION IN SAUDI ARABIA: A MIXED METHODS STUDY           |
| Master | Suggested educational web site on homework achievement in regards to the cognitive objectives of mathematic in the second intermediate stage |

### Professional Record: (Beginning with the most recent)

| Job Rank            | Place and Address of Work                   | Date                |
|---------------------|---|---------------------|
| Assistant Professor | College of Sciences and Humanities - Jubail | Mar 2017 - present  |
| Teacher Assistance  | College of Education - Jubail               | Oct 2010 – Mar 2017 |
| Mathematics Teacher | Ministry of Education - Jeddah              | Oct 2002 – Jul 2010 |



### Administrative Positions Held: (Beginning with the most recent)

| Administrative Position                       | Date                |
|---|---------------------|
| Vice Dean of Academic Affairs                 | Mar 2018 – Feb 2022 |
| Head of Curriculum and Teaching Methods Dept. | May 2018 – Sep 2019 |
| Head of Kindergarten Dept.                    | Feb 2017 – Mar 2018 |

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

| # | Name of Investigator(s)                              | Research Title   | Publisher and Date of Publication   |
|---|--|--|---|
|   | Mousa, R. M., & Kalonde, G.                          | Saudi Arabia's Female Middle School Mathematics Teachers' Readiness and Attitudes Towards STEM Digital Technology Integration in Classrooms  | Handbook of Research on Innovative Digital Practices to Engage Learners (2019)                        |
|   | Kalonde, G. & Mousa, R                               | Teacher Technology Decisions for Inclusive Classrooms in Technology and Engineering Concepts Education.  | Proceedings of Society for Information Technology & Teacher Education International Conference (2019) |
|   | Alzahar, Naglaa., Abu ALkhairm Hanem., Mousa, Rabab. | دراسة تحليلية للمفاهيم الرياضية التي يشتملها دليل المعلمة في المنهج الإبداعي للطفولة المبكرة وفق المعايير القياسية العالمية  | مجلة الطفولة – كلية التربية للطفولة المبكرة – جامعة القاهرة – Sep 2018                                |
|   | Kalonde, G., & Mousa, R.                             | Technology Familiarization to Pre-Service Teacher: Factors that Influence Teacher Educators' Technology Decisions. <i>Journal of Educational Technology Systems</i> . Accepted for publication Manuscript ID JETS-15-0010 (Spring 2016). | Journal of Educational Technology Systems. Spring 2016  |

#### Refereed Scientific Research Papers Accepted for Publication



| # | Name of Investigator(s) | Research Title  | Journal   | Acceptance Date            |
|---|-------------------------|---|---|----------------------------|
|   | Rabab Mohammed Mousa    | The online teaching experience during the pandemic for Saudi mathematics teachers in secondary schools: a narrative study | International Conference On Education, Distance Education, Instructional and Educational Technology (ICEDEIET-23): Procceding | June 27 <sup>th</sup> 2023 |
|   |                         |   |   |                            |

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

| # | Name of Investigator(s) | Research Title  | Conference and Publication Date  |
|---|-------------------------|---|--|
|   | Rabab Mohammed Mousa    | The online teaching experience during the pandemic for Saudi mathematics teachers in secondary schools: a narrative study | International Conference On Education, Distance Education, Instructional and Educational Technology (ICEDEIET-23): Procceding (2023) |
|   |                         |   |  |

#### Current Researches

| # | Research Title | Name of Investigator(s) |
|---|----------------|-------------------------|
|   |                |                         |
|   |                |                         |

#### Contribution to Scientific Conferences and Symposia

| # | Conference Title  | Place and Date of the Conference | Extent of Contribution  |
|---|---|----------------------------------|---|
|   | International Conference On Education, Distance Education, Instructional and Educational Technology (ICEDEIET-23) | 27th June 2023 ,Paris, France    | The online teaching experience during the pandemic for Saudi mathematics teachers in secondary schools: a narrative study |



|   |   |   |
|---|---|---|
| Society for Information Technology and Teacher Education (SITE) | Las Vegas, Nevada, United States of America.<br>March 2019          | Teacher Technology Decisions for Inclusive Classrooms in Technology and Engineering Education                               |
| Association of Teacher Educators (ATE)                          | Las Vegas, Nevada, United States of America.<br>Feb 16 – 20, 2018   | MATHEMATICS TEACHERS' READINESS AND ATTITUDES TOWARD IMPLEMENTING INTEGRATED STEM EDUCATION IN SAUDI ARABIA                 |
| Association of Teacher Educators (ATE)                          | Chicago Illinois. United States of America<br>February 13-16, 2016. | Rural Science and Math Middle School Teachers' Technology Professional Development Challenge.                               |
| Society for Information Technology and Teacher Education (SITE) | Las Vegas, NV, United States of America.<br>Mar 2-6, 2015.          | Technologies Teacher Educators Model to Pre-Service Teachers in the Methods Courses.  |
| Association of Teacher Educators (ATE)                          | Phoenix, Arizona, United States of America.<br>Feb 13-17, 2015.     | The Extent Teacher Educators Address the use of Technology in Inclusion in Teaching Methods Courses to Pre-Service Teachers |

#### Membership of Scientific and Professional Societies and Organizations

- Member of the Curriculum Development Committee in the Curriculum and Teaching Methods Department
- Member of the Quality Committee in the Curriculum and Teaching Methods Department
- Member of the Project Evaluation Committee of the Student Evaluation Certificate Program
- Member of the Project Evaluation Committee of the Department Heads Fellowship Program

#### Teaching Activities

##### Undergraduate

| # | Course/Rotation Title                             | No./Code  | Extent of Contribution<br>(no. of lectures/Tutorials. Or labs, Clinics) |
|---|---|-----------|---|
| 1 | Developing mathematical concepts for kindergarten | KINDG 310 | lectures  |
| 2 | Lesson design and development - mathematics       | CURC 415  | lectures  |



|   |  |           |          |
|---|--|-----------|----------|
| 3 | Developing scientific and mathematical concepts for kindergarten | KINDG 309 | lectures |
|---|--|-----------|----------|

#### Postgraduate

| # | Course/Rotation Title                  | No./Code | Extent of Contribution<br>(no. of lectures/Tutorials. Or labs,<br>Clinics) |
|---|--|----------|--|
| 1 | Special teaching strategies - computer | CURC 521 | lectures   |
| 2 | Educational technologies               | CURC 513 | lectures   |
| 3 | Teaching strategies                    | CURC 507 | lectures   |
| 4 | Teaching design                        | CURC 552 | lectures   |
| 5 | Curriculum evaluation                  | CURC 558 | lectures   |
| 6 | Evaluation of mathematics curricula    | CURC 651 | lectures   |
| 7 | Evaluation of science curricula        | CURC 641 | lectures   |
| 8 | Educational research                   | EDUC 691 | lectures   |
| 9 | Research seminar in education          | CURC 687 | lectures   |

#### Supervision of Master and/or PhD Thesis

| # | Degree Type | Title   |
|---|-------------|---|
| 1 | Master      | Teaching Practices to Enhance Mathematical Application in Lighting of International TIMSS Test for Mathematics Teachers                 |
| 2 | Master      | The Effectiveness of Training Program Based on Habits of Mind in the Development of Creative Teaching Skills for Mathematics Teachers   |
| 3 | Master      | The Effectiveness of a Suggested Training Program in Developing some of the 21st Century Skills for Primary School Mathematics Teachers |
| 4 | Master      | Mathematics Teachers' Teaching Needs in Light of Integrative STEM Approach  |

#### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

##### Administrative Responsibilities



| # | From     | To       | Position  | Organization                            |
|---|----------|----------|---|---|
| 1 | Jan 2024 | Present  | Director of the Field Training Unit   | College of Education - IAU              |
| 2 | Aug 2021 | Jun 2022 | Member of the committee preparing academic leadership program   | Leadership Center - IAU                 |
| 3 | Jun 2021 | Jun 2022 | Director of the Strategic Partnerships Unit   | Leadership Center - IAU                 |
| 4 | Oct 2018 | May 2022 | Member of the Outcomes Review Committee for Humanitarian Track  | IAU                                     |
| 5 | Sep 2018 | May 2022 | Member of the Postgraduate Programs Review and Development Committee  | College of Science and Humanities - IAU |
| 6 | Jan 2019 | May 2022 | Chair of the committee for creating two programs for a master's degree in primary school teacher preparation and a master's degree in teacher preparation | College of Science and Humanities - IAU |
| 7 | Feb 2018 | May 2018 | Member of the Early Childhood Program Development   | IAU                                     |
| 8 | Feb 2017 | May 2018 | Member of the advisory committee for the development of the kindergarten department   | IAU                                     |
| 9 | Feb 2011 | Nov 201  | Quality Coordinator in the Department of Education and Psychology   | College of Science and Humanities - IAU |

**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

|   |                                       |
|---|---------------------------------------|
| 1 | Computer                              |
| 2 | Desing and review educational program |
| 3 | Data analysis                         |
| 4 | Social intelligence                   |

Last Update

March 16<sup>th</sup> 2024

