

Sarah Mousa Ahmed Sharaf

Assistant Professor of Curriculum and Methods of Teaching Mathematics (Math. Education)

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Phone Number: 00201007604649- 01551444665

Date of birth: 8 Oct1988



Professional Experience

Over 13 years of experience in the field of teaching and learning mathematics at the Faculty of Women for Arts, Sciences and Education - Ain Shams University.

February 2023-Present **Assistant Professor, Department of Curriculum and Teaching Methods, specialization: Mathematics**

Faculty of Women for Arts, Sciences and Education, Ain Shams University

Cairo, Egypt

- Teaching the following courses:
 1. Field training course for the first year (credit hours) Basic Education(primary-middle) Department of Mathematics.
 2. Mathematics Teaching Methods (1) for the third year, Basic Education Department of Mathematics.
 3. Teaching methods for people with special needs course for the third year, Basic Education Department of Mathematics.
 4. Curriculum course for the fourth year, Mathematics Education Department in English.
- Academic supervision of students of the third and fourth year of the faculty, mathematics section in practical education (field training).
- General supervision of student teachers in the three mathematics divisions (mathematics of primary education - mathematics of the preparatory and secondary stage - mathematics of the preparatory and secondary stage in English) in the "Micro Teaching" laboratory.
- Academic advisor for students of the first level of "Social Studies", within the new primary education program at the faculty.

- Academic advisor for students of the General Diploma, the first track, within the multidisciplinary primary school teacher preparation program.
- Arbitration of various research tools for master's and doctoral research.

March 2017 – February 2023 **Assistant Lecturer, Department of Curriculum and Teaching**

Methods, specialization: Mathematics

Faculty of Women for Arts, Sciences and Education, Ain Shams University

Cairo, Egypt,

- Teaching the "Micro Teaching" course theoretically with the practical application, for the second year in the Department of Mathematics in its three sections:
 1. Educational mathematics in English.
 2. Educational mathematics in Arabic.
 3. Basic education mathematics.
- Distributing the third- and fourth-year students of the faculty for the three mathematics sections in different public schools for general education.
- Participating in the Exam works (control).
- E-learning on the educational platforms of Ain Shams University
- Preparing various exams for courses objective and essay, whether in paper or electronic form

July 2011 – March 2017

Assistant teacher, Department of Curriculum and Teaching

Methods, Specialization: Mathematics

Faculty of Women for Arts, Sciences and Education, Ain Shams University

Cairo, Egypt

- Teaching the "Micro Teaching" course theoretically with the practical application, for the second year in the Department of Mathematics in its three sections:
 1. Educational mathematics in English.
 2. Educational mathematics in Arabic.
 3. Basic education mathematics.
- Distributing the third- and fourth-year students of the faculty for the three mathematics sections in different public schools for general education.

Academic education

February 2023

Doctoral degree of Philosophy in Education, specializing in "Curricula and Methods of Teaching Mathematics"

Faculty of Women, Ain Shams University

- **Dissertation Title:**
" Suggested Enrichment Program Based on The Integrated Approach (STEM) for Developing Conductive Thinking and Problems Solving in Mathematics for The Talent Students in Secondary Stage".
- **Ranked as the best Egyptian doctoral thesis specializing in curricula and methods of teaching mathematics during the years 2023,2024, within the activities of the 5th international scientific conference of the Egyptian Council of Mathematics Education on Sunday, August 4, 2024.**

October 2016

Master's Degree of Education, specialization "Curricula and Methods of Teaching Mathematics" with an excellent grade.

Faculty of Women, Ain Shams University

- **Thesis Title:**
" The Effectiveness of Thinking Maps in Geometry Teaching for Developing Some of Habits of Mind and Visual Thinking For Primary Stage Students."

July 2011

Special Diploma in Education, specialization "Curricula and Methods of Teaching Mathematics" with a Very good grade.

Faculty of Women, Ain Shams University.

September 2010

Professional Diploma in Education, specialization "Curricula and Methods of Teaching Mathematics" with an excellent grade.

July 2009

Bachelor of Science and Education, specialization "Mathematics" with An excellent grade with honors.

Faculty of Women, Ain Shams University

- **Ranked First at the faculty level among all scientific departments (Physics, Chemistry, Biology, Home Economics).**

Scholarships & Training Courses

November 2024	<p>Training Program: "Universal Design for Learning (UDL)" Within the Teacher Excellence initiative funded by the United States Agency for International Development (USAID).</p> <ul style="list-style-type: none">• Online course.• (16) training hours of two hours per week for 8 consecutive weeks.
August 2018	<p>Scholarship: "Preparing a STEAM Teacher and 21st Century Skills."</p> <p>Center of Educational Excellence, Faculty of Education, Ain Shams University</p> <ul style="list-style-type: none">• Project design training.• Electronic planning and evaluation.• Interdisciplinary integration.• Trained teacher skills.• A total number of (28) training hours.• Digital Monitoring Course for Objective Exam Papers*
June 2023	<p>Course: "Digital Monitoring Course for Objective Exam Papers".</p> <p>Faculty of Women, Ain Shams University</p>
May 2023	<p>Course: "Legal Aspects in University Work Course for the Auxiliary Faculty".</p> <p>Development and Training Center, Ain Shams University</p> <ul style="list-style-type: none">• Online course.• By (15) training hours.
July 2022	<p>Course: "Leadership".</p> <p>Development and Training Center, Ain Shams University</p> <ul style="list-style-type: none">• with a distance education system.• By (15) training hours.
June 2021	<p>Course: "Applications of Microsoft Office 365".</p> <p>Development and Training Center, Ain Shams University</p> <ul style="list-style-type: none">• with a distance education system.• By (15) training hours.
May 2021	<p>Course: "Scientific writing in the field of humanities and social Sciences".</p>

Development and Training Center, Ain Shams University

- with a distance education system.
- By (15) training hours.

May 2021

Course " International publishing in the field of humanities and social Sciences".

Development and Training Center, Ain Shams University

- with a distance education system.
- By (15) training hours.

February 2010

Course: " Computer skills and applications".

Center for Studies, Research and Mutual Services, Ain Shams

University

Scientific Conferences

- **Participation in the fifth international scientific Egyptian Council of Mathematics Education, Banha university.**

August. 2024

Faculty of Education, Banha University

Conference Title: " Artificial intelligence and technology for teaching and learning mathematics between the challenges of reality and foreseeing the future".

 Online Conference.

- **Periodic participation in the annual conference of the Department of Curriculum and Teaching Methods.**

- **Participation in the thirty-fifth international conference of the English Language Development Center.**

Nov. 2018

Faculty of Education, Ain Shams University

Conference Title: "Green education: English Based in Digital Age".

- **Participation in the ninth international conference of the Arab Center for Education and Development "Assad".**

Feb. 2017

Guest House, Ain Shams University

Conference Title: The Future of Creativity in Our Arab Institutions "Academic, Research and Training Fields".

Languages

- Arabic (native language).
- English (B2 level)

Participations& Committees Membership

- Participation in Preparing the descriptions of the various courses for the Department of Curriculum and Teaching Methods, specialization: mathematics, such as:
 1. Mathematics Teaching Methods.
 2. Educational Statistics.
 3. School Mathematics Curricula.
 4. Professional Project: Teaching Methods for Students with Special Needs.
 5. Applications of Statistics in the Field of Specialization.
- Participation in the accreditation course for "**Tokkatsu**" officials in Egypt as part of the initiative launched by the Egyptian-Japanese Schools (EJS) Unit of the Ministry of Education and Technical Education.
- Participation in various examination work for 11 years now.
- Participate in the preparation of correction forms for faculty members in the department for a period of two years.
- Member of the Practical Education Unit from 2011 to 2024.
- Member of the third division control since 2013 until now.
- Member of the maintenance unit at the college and its representative for a year.
- Member of the Libraries Unit for one year.
- Member of the Crisis and Disasters Unit from 2020 until mid-2021.
- Member of the Egyptian Association for Mathematics Education in Egypt starting from 2024.
- Member of the Committee for the Reception of New Graduate Students and Advertising for Special Diploma, Master's and PhD Programs.

Skills

- Strong teaching and research skills.
- Proficient in using Microsoft Office program and various educational technologies
- Use SPSS program in statistical processing efficiently.
- Engaging in E-learning on the educational platforms of Ain Shams University.
- Preparing various exams for courses (objective - subjective), whether in paper or electronic form.
- Planning and designing STEM projects at the secondary stage.
- Excellent communication and interpersonal skills.
- Ability to work independently and as part of a team.
- Team management, educational leadership.
- Solve problems effectively in the educational field.
- Time management.

Practical Contributions and committee membership:

- Participation in various exam activities over the past 11 years and ongoing.
- Participate in preparing of correction forms for faculty members in the department for a period of two years.
- Member of the Practical Education Unit from 2011 to 2024.
- Member of the Third Year Control Committee since 2013 until now.
- Member of the maintenance unit at the faculty and its representative for one year.
- Member of the Libraries Unit for one year.
- Member of the Crisis and Disasters Unit from 2020 to mid-2021.

Scientific Publications

Sharaf, S. (2022). Suggested Enrichment Program Based on The Integrated Approach (STEM) for Developing Conductive Thinking and Problems Solving in Mathematics for The Talent Students in Secondary Stage. *Journal of Education and Innovation Research*, 7(7), November. Available at: <https://2h.ae/ivlf>

Sharaf, S. (2017). The Effectiveness of Thinking Maps in Geometry Teaching for Developing Some of Habits of Mind for Primary Stage Students. *A magazine at the Arab Center for Education and Development, and the Federation of Egyptian Universities Libraries*, 1(17), 583-603. Available at: <https://search.mandumah.com/Record/846602>

References:

Available upon request.

Hobbies and interests

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| * Traveling | * Reading | * Photography |
| * Cooking | * Sports | * imaging |
| * Drawing | | |

LinkedIn URL:

https://www.linkedin.com/in/dr-sara-sharaf-bab646267?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app