
AQEEL MADHAG

Al-Furat Al-Awsat Technical University, 00964 Iraq ♦(0782) 553-4308 ♦asr19802007@gmail.com

PROFESSIONAL SUMMARY

Motivated instructor with more than 15 years of experience working with teaching in postsecondary level. Successful in facilitating on-the-job training in vocational areas such as education in engineering, and communication and leadership skills. Accomplished in working with school faculty and staff to develop vocational and post-secondary goals for students. Seeking to leverage background and expertise to take next career step as a professor.

SKILLS

- Classroom management
- Verbal and writing communication
- Student progress reporting
- Continuing education
- Communication and leadership proficient
- Teaching in college level certified expert
- Skills assessments
- Academic advisement
- Student records management
- Reporting and documentation
- Lesson planning
- MS Office proficient
- MATLAB proficient
- System modeling and simulation

EDUCATION

Ph.D.: Electrical Engineering, 2019
Michigan State University - East Lansing, MI

MSc.: Optoelectronics and Laser Engineering 2004
Al-Nahrian University – Baghdad, Iraq

BSc.: Optoelectronics and Laser Engineering 2004
Al-Nahrian University – Baghdad, Iraq

CERTIFICATION

- **Certification in College Teaching / Michigan State University - USA**
- **Certification in GSM Network Systems / MTZ - Germany**
- **Certification in Teaching Techniques / Foundation of Technical Education - Iraq**

Workshops

- **Creating Effective Learning Environments** / Summer 2018
- **Incorporating Technology in Teaching** / Summer 2018
- **Understanding the University Context** / Summer 2018
- **Assessing Student Learning** / Summer 2018
- **Writing effective Teaching Philosophy Statement** / Fall 2018
- **Conflicts of Interest, Peer Review and Collaboration** / Fall 2017
- **Leadership Academy** / Summer 2017
- **Healthy Relationships**/ Summer 2017
- **Write-In at the Graduate School**/ Fall 2017
- **Strategies for Publishing Your Community-Engaged Scholarship**/ Summer 2017
- **Use of Animal Subjects and AUFs**/ Spring 2016
- **Creating a Digital Presence and Portfolio for Your Community-Engaged Work** / Spring 2016
- **CV and Digital Portfolio Write-In**/ Fall 2016
- **Conceptualizing and Assessing the Broader Impacts of Your Research**/ Fall 2016

Courses (sample)

- **FOUNDATION OF ENGINEERING EDUCATION** / FALL 2018 semester

This course was designed to serve as a practical course in engineering pedagogy for graduate students interested in academic careers. The course was a mixture of three components: developing practical skills and knowledge of pedagogy, understanding engineering education literature and best practices, and special topics relevant to building a successful academic career.

- **Cyber Ambassadors Communications, Teamwork, Ethics and Leadership training for Multidisciplinary Research Teams** / Spring 2019 semester

This course was designed to provide professional skills training in communications, teamwork, ethics and leadership for graduate students, including training in how to be an effective research mentor. In addition, prepare the graduate students to collaborate effectively with other researchers to advance multidisciplinary, technologically intensive research. The main objectives of the course are:

1. **Use** techniques for effective one-on-one communication
2. **Apply** effective techniques for speaking in public, including group presentations
3. **Demonstrate** methods to effectively organize and lead team interactions
4. **Evaluate** effective and ineffective leadership and mentoring approaches
5. **Evaluate** and **Discuss** ethical situations with respect to leadership and research
6. **Explain** techniques for effectively facilitating professional training workshops

WORK HISTORY

Instructor, 08/2004 to Current

Al-Furat Al-Awsat Technical University – Kufa, Najaf, Iraq

- Educate students on electrical and communication engineering, utilizing instructional techniques, including hands-on curriculum.
- Decrease learning time by initiating new learning methods and ensuring complete student comprehension.
- Observe other instructors and lecturers, gathering valuable techniques to be implemented into future lectures and courses.
- Work closely with students to increase positive feedback from parents and boost overall student success.
- Create and implemented written and oral assessments and guides and course materials to reiterate lecture information and help students.
- Define and articulated learning outcomes, including measurements, performance metrics and changes, to improve student learning.
- Monitor student progress through test administration and adapted learning plans to optimize progress.
- Utilize various teaching aids to minimize learning gaps and effectively instruct and motivate students.
- Provide clear, informative lectures on communication and electronics engineering to classes of 100 students.
- Eliminate learning gaps and effectively instructed students by utilizing wide variety of teaching aids and motivational implementation strategies.
- Recommend curriculum choices and created lesson plans to maximize effectiveness of instruction.
- Use positive reinforcement and provide clear feedback to help students succeed.

Teaching Assistant, 08/2015 to 05/2019

Michigan State University – East Lansing, MI

- Assess student assignments to check quality and completeness and assign grades.
- Support student learning objectives through personalized and small group assistance to support classroom instruction.
- Support instructor with test administration, curriculum development and grading.
- Retain interest and maximized receptive learning by educating students utilizing hands-on instructional techniques.
- Enhance learning plans and quantified student progress using quizzes, essays and projects.
- Distribute learning materials such as assignments, textbooks and pencil and paper.

- Assign grades for coursework and tests using answer key, recorded results and informed teacher of performance.
- Create lesson materials, visuals and digital presentations to supplement lesson plans.
- Support classroom activities, including tutoring, grading homework and reviewing exams.