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Profile:

- * BSc, MS, & PhD degrees in Civil Engineering.
- * Very good experience in: teaching, educational supervision & administration, and engineering industry.
- * 2 years of teaching civil engineering course (Geomatics, Hydrology & hydraulics, Transportation, Environmental engineering, Soil mechanics, Foundation design) in University of Texas at Tyler/Houston engineering center/ Alief campus.
- * 3 years of teaching Environmental Science, Statics, and Dynamics courses in Houston Community College/ Northwest/ Alief campus.
- * 11 years of teaching Math & Environmental Science courses in University of Phoenix/Houston Campus.
- * 1 year of teaching Math & Physics (7, 8, 9, 10 & 11 grades) in Darul Arqam School in Houston TX.
- * 4 years of teaching Civil engineering courses in Wadi Seer Community College in Jordan. Also served as the dean of the college.
- * 4 years of teaching Water resources, hydraulic structures, and irrigation courses in Russia.
- * 2 years (2011-2013) served as “Lead Faculty/ Math & Science Area Chair” in University of Phoenix/ Houston campus.
- * 4 years (1996-2000) served as "Chief Instructor & Dean" of Wadi Seer Community College in Jordan.
- * 2 years of working as Civil engineer in Jordan.
- * 4 years of conducting research on creating Mathematical Model to calculate the magnitude of water hammer in closed water supply systems equipped with surge-release valves.
- * Published two scholarly papers related to water hammer in pipelines.
- * In 2012 I was awarded a long-term incentive equity award from University of Phoenix. This grant was awarded in recognition of my contribution to the long-term success of University of Phoenix.
- * FE/EIT exam completion certificate from Texas Board of Professional Engineers in 2003.
- * Former member of Jordan Engineers Association.

Academic Credentials:

- 1) Ph.D. degree in Civil Engineering/ Hydraulics and Engineering Hydrology
Moscow Hydro-Land Reclamation Institute. Russia, June 1994.
- 2) BSc and Master's in Civil Engineering/ Water Resources
Moscow Institute of Hydrotechnical Engineering. Russia, June 1989.
(USA Equivalency: Bachelor's, Master's and PhD degrees in Civil Engineering. World Education Service. New York, January 2001).

Professional Experience :

1) Lecturer/ University of Texas at Tyler- Houston engineering center/ Aug 2014 - present.

Duties:

- 1) Teach civil engineering course (Geomatics with lab, Introduction to transportation eng., Introduction to environmental eng. with lab, Soil Mechanics with lab, Hydrology and Hydraulics with lab, Environmental design, Foundation design).
- 2) Students advising.
- 3) Participate in curriculum development.
- 4) Follow up students activities.

2) Adjunct instructor/ Houston Community College/ Jan 2013 - Present.

Duties:

A) Teach Environmental Science (ENVR 1301), Engineering Statics (ENGR 2301), and Engineering Dynamics (ENGR 2302) courses.

3) Associate professor/ University of Phoenix/ Houston Campus/ June 2004 – Present.

Duties:

A) Teach College Mathematics I (MTH208) and II (MTH209), Finite Math (MTH212), Environmental Science (SCI256), & Environmental Ethics (SCI362):

- 1) Facilitate MTH208, MTH209, and MTH212 classes (real numbers, linear equations and inequalities, graphing equations, polynomials and exponents, factoring polynomials, rational expressions, radicals, quadratic equations, nonlinear equations & functions, Logarithms, Sequences & Series, matrices, simplex method, probability, statistics). Give classroom instructions. Relate these mathematical concepts to real-life problems & applications.
- 2) Facilitate individual and learning teams' inclass activities. Implement learning techniques and tools. Give students quizzes and tests. Follow up students' homeworks & projects, and give them feedback. Use Online Learning System (OLS) environment to communicate with students.
- 3) Conduct MTH208 and MTH209 labs on regular basis. Give students more explanation on math concepts and topics. Help students to master problem-solving techniques. Discuss with students math real-life applications. Conduct math-on-demand labs.
- 5) Facilitate SCI256 (People, Science, and the Environment). Give classroom instructions. Facilitate individual and learning teams' inclass activities and team projects. Give students quizzes and tests. Follow up students' homeworks and give them feedback.
- 6) Facilitate SCI362 (Environmental Issues and Ethics). Give classroom instructions. Facilitate individual and learning teams' inclass activities and team projects. Give students quizzes and tests. Follow up students' homeworks & projects, and give them feedback.

B) 2011-2013: served as the lead faculty for Math & Sciences Areas chair in Houston Campus. Assist the CCC in the development and review of curriculum as requested. Act as a formal mentor to new and existing faculty member as assigned. Serve as a member of the Campus Academic Council. Participate in the Classroom Performance Review, conduct audits, and class visits. Conduct Content Area meetings and facilitate discussions on improving instructions, curriculum concerns, and sharing best practices. Create and conduct faculty development activities as required by campus.

4) Teacher/ Darul Arqam School, Houston TX/ August 2006 – May 2007.

Duties:

- 1) Teach Math and Physics classes for 7, 8, 9, 10 & 11 grades. Math classes included algebra, geometry, trigonometry and precalculus (functions, logarithm, conic sections, sequences and series, introduction to calculus).
- 2) Give classroom instruction, which includes daily classes that adhere to school curriculum
- 3) Assess students' performance through studying progress reports, giving tests, and general observation
- 4) Participate in syllabi design and lesson plans.
- 5) Follow up students' homeworks and quizzes.
- 6) Work with students on math real-life applications.
- 7) Organize math competitions for students.
- 8) Develop and implement new teaching techniques

5) Chief Instructor and dean/ Wadi Seer Community College for Engineering Programs/ Jordan/ Oct 1996-Aug 2000.

Duties:

- 1) Responsible for the administrative operation of the college. Ensure that approved programs, orders for training supplies, equipments and other training facilities are carried out efficiently. Check regularly the progress reports of trainees. Supervise all Technical and Academic Instructors. Participate in curriculum development and labor market survey. Supervise the recruitment and selection of students.
- 2) Teach engineering courses when needed, such as Statics, Strength of materials, Mechanics of materials, Fluid mechanics, Environmental science, and Sanitary Engineering.
- 4) Follow students' projects. Supervise students' field and lab experiments.

6) Adjunct Faculty/ Moscow Hydro-Land Reclamation Institute/ Russia/ Sep 1991-Jun 1994.

Duties:

- 1) Work on establishing Mathematical Model to calculate the magnitude of water hammer in closed water supply systems equipped with surge-release valves. This model is based on partial differential wave equations. Since there is no analytical solution for such equations the numerical method was used to formulate the model. An algorithm was

created for this model and the method of characteristics was used. A computer program model using FORTRAN 5 language was created.

- 2) Conduct field experiments on hydraulic structures used for irrigation.
- 3) Teach classes in irrigation and related subjects: hydraulics and pumping stations.
- 4) Follow up students' course projects and calculations.

7) Civil Engineer/ Montgomery Watson Group/ Jordan/ July 1995 - Sep 1996.

Duties:

- 1) Work on Civil engineering projects, such as water supply systems, wastewater systems, wastewater treatment plans.
- 2) Site investigations and land surveying.
- 3) Maps preparation and drafting supervision.
- 3) Preparing of engineering calculations required for the design of water & wastewater projects.
- 4) Operate computer technology & computerized engineering modeling.
- 5) Production of detailed designs and layouts.

Professional Workshops & Certificates:

- 1) ADA workshop completion certificate/ HCCS online/ 2014.
- 2) Advanced Faculty Certification/ University of Phoenix Online/ July 2012.
- 3) Lead Faculty Areas Chair training/ University of Phoenix/ Houston campus/ Oct. 2011.
- 4) Quick and Dirty APA/ University of Phoenix/ Houston campus/ May 2011
- 5) Syllabus Refresher/ University of Phoenix/ Houston campus/ March 2011
- 6) Online Learning System (OLS): OLS grading techniques and gradebook/ University of Phoenix/ Houston campus/ Sep. 2010
- 7) First Round Table Workshop on Vocational Training and Technical Education/ UNRWA (HQ)/ Jordan/ Dec 1999.
- 8) Design and Management of Training Programs and Continuing Education/ AL Balqa Applied University/ Jordan/ Feb 2000.
- 9) Management of Information Systems used in Votech Centers/ UNRWA (HQ)/ Jordan/ Jan 2000.
- 10) Computer literacy and information technology (Windows, Word, Excel, Database, Powerpoint, Internet)/ Jordan/ Jan 2000.
- 11) English Language (Higher skills for communications)/ The British Council Language Center/ Jordan/ April 1997.
- 12) Water network Design workshop/ Jordan engineers association/ Jan 1995.

Scientific Conferences and Articles :

- 1) Results of Field Experiments to save water supply networks from water hammer, (Moscow, October 1993).
- 2) Safety disposal devices used in pressure irrigation networks, (Hydro-Land Reclamation Journal, Moscow, January 1995).

Professional Associations:

- 1) American Society of Civil Engineers.
- 2) American Society for Engineering Education.

- 3) Texas Board of Professional Engineers, FE/EIT (# **33439**).
- 4) Former member of Jordan Engineers Association.

Personal Languages: English, Russian, Arabic.

References : Available upon request.