

Dr. Iyad Assaf

Mechanical Engineering Department, An-Najah National University, Nablus, Palestine

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CURRENT POSITION

Assistant Professor in Mechanical Engineering Department, An- Najah National University, September 2007 – Present

EDUCATION

• **PhD. In Mechanical Engineering Design and Impact. The University of Manchester, UK, 2006**

This has involved conducting both experiment and Finite Element (ABAQUS) investigations on the deformation mechanisms and energy absorption of laterally loaded plates.

• **MSc. Mechanical Engineering Design, UMIST University, UK, 2000-2001**

• **BSc. Mechanical Engineering, Birzeit University, Palestine, 1992-1998**

WORK EXPERIENCE

Assistant Professor, Mechanical Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. August 2007 - Present.

Quality Assurance Committee Coordinator, Mechanical Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. 2009 - Present.

Certifications or professional registrations

ADDITIONAL CAREER EXPERIENCE - PART TIME

Part time lecturer at An-Najah National University, Mechanical Engineering department. 2006, first, second and summer semesters.

Assistant lecturer in Mechanical Engineering Department at University of Manchester for undergraduate first year students from the year 2002 to 2005 in the following:

- Torsion lab
- Coursework marking in Static and Dynamic subjects

Assistant lecturer in Mechanical Engineering Department at University of Manchester for undergraduate third year students from the year 2002 to 2005. in Instrumentation and Measurement lab

Assistant lecturer at Mechanical Engineering Department at University of Manchester for postgraduate (MSc) students from the year 2002 to 2005 in the following:

- Plate penetration lab: includes experimental and Finite Element (ABAQUS) classes. For Finite Element Analyses laboratory, I prepared both model of

the plate perforation experiment and a set of instructions for MSc students to carry out the lab exercise.

- Behavior of a circular plate under Hydraulic pressure lab: Finite Element work (ABAQUS), prepared the model and set the instructions for the MSc students to carry out the lab exercise.

Machine maintenance at Malhees company/west bank in 1997 (university summer training)

Assistant lecturer at Mechanical Engineering Department Birzeit University for undergraduate second year students in the years 1996 in mechanical engineering drawing.

SOCIAL AND ORGANIZATIONAL SKILLS

- Course training for the mechanical Engineering student in Finite Element (ABAQUS/ CAE), 2008- present. An-Najah National University.

COMPUTER SKILLS

- Computers skills (Word, Excel, Power point)
- ABAQUS/Codes and ABAQUS/CAE software
- ANSYS software
- AutoCAD software
- MATHCAD software
- Pro/Engineer software

TRAINING

- Mind Mapping workshop. An-Najah National University, 2012
- Moodle software training workshop. E-learning centre, An-Najah National University, 2012
- ABET workshops, Abet centre, An-Najah National University, 2009, 2010
- Graduate Personal Development Programme. Final year research students. UMIST, 2003
- Impact and Explosion engineering course. Department of mechanics, aerospace and manufacturing, UMIST. December, 2002.
- Finite Element Analyses (ABAQUS) course. UMIST, 2002
- Maintenance of vehicle motor course. Birzeit university, 1996

AWARDS

COURSES TAUGHT:

BACHELOR COURSES:

- Static
- Dynamic
- Engineering Economy
- Operations Management
- Numerical Analysis
- Fluid Mechanics
- Machine Design I and II
- Manufacturing Processes
- Material Science
- Theory of Machine
- Welding and casting
- Hydraulic Machine
- Strength of Materials

MASTER LEVEL COURSES:

- Operations Management

PUBLICATIONS

REFERENCES

Available upon request
