



**Eng.Mohammad Al-Nairat**

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Electrical Engineering department

**Academic Rank: Senior Lecturer**

**Membership:**

1	Jordan Engineers' Association. Complex of professional associations-Shmesani-Amman11194, Jordan.
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**Qualifications:**

2016	Yarmouk University, Jordan. M.Sc in Wireless Communication Engineering.
2010	Hashemite University, Jordan. B.Sc in Electrical and Computer Engineering

**Professional Objective(s):**

The objectives are divided into teaching and research aims. The teaching objectives: Convey knowledge in simple way, motivate students to engage in lecture and improve their thinking abilities. My main goals are to have the students learn the following issues:

- a. The fundamentals of a courses, the principle of operations as well as governing equations.
- b. How and when to apply these equations.
- c. Why we are learning all that.

Enhance the thinking capabilities of students. The following ways might be stated:

1. Convincing the student that what they are learning in the class is vital for them. I usually deal with it by demonstrating daily life examples and providing them examples from my own experience, ending with a final short-term project, in which students need to solve or



improve a mechanical engineering situations they may notice around them. These situations can be solved by using the knowledge attained in the class or by recommending simulations- software tools.

2. Giving liability to the students to bring something to the class and to feel that they belong to a small community (the class group) and therefore they will be responsible for each other. I manage this issue by asking the students to take turns to solve problems on the board and ask other students to interact and to give feedback.
3. The content of the class should not be the only variable parameter. I typically cope with it by bringing something new to each class. Presenting slides prepared by PowerPoint enriched with images and animations which make complicated matters easy to understand, displaying posters including most recent researches related to the theme of the day or as a theme for a promising final project and inviting guest researchers from local and/or abroad industry. I do my best to fulfil these three examples, as I believe that they assist for more creativity, improving way of thinking and discovery which are very crucial skills for engineers.

## Teaching Experience:

#	From	to	
1	2/2017	till now	<b>Zarqa University:</b> Teaching a variety of university subject related to Electrical engineering like Digital logic microprocessors, Engineering mathematics, Electromagnetics, Numerical, Circuits, Electronics, Analog communications, digital communications Probability, signals and system courses
2	9/2012	2/2017	<b>Zarqa University:</b> Teaching and supervision of variety of laboratories related to Electrical engineering like Digital Logic lab, AutoCAD, Telecommunication Lab, Microprocessor lab, Circuit lab and Electronic lab
3	11/2010	11/2011	<b>United Telecom Co.:</b> RF 2G & 3G Drive Test: HSDPA+&HSUPA+ Test, Voice & Video calls Test, Mobility test, Cluster Test, Indoor Coverage (Walk) Test and Optimization.  Node B installation: Install and configure Node B, install the antennas, Microwave Links and Configuration



**Publications:**

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Discrete OFDM-Based Channel Assignment Scheme for Agile Networks	International Journal on Electrical Engineering and Informatics	Volume 11, Number 4, December 2019.

**Personal Information**

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