**CURRICULUM VITAE**

**EMAD B. DAWWAS**

Assistant Professor of Urban Planning

An-Najah National University

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 | **Personal Data:*** Date & place of Birth: Feb.13.1976, Tubas-Palestine.
* Marital Status: Married.
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**Current Positions:**

* Coordinator of the Community Based Learning Unit, An-Najah National University, P.O. Box 7, Nablus – West Bank, Palestine.
* Assistant Professor at Urban Planning Department – An-Najah National University, West Bank/Palestine.

**Education:**

* **PhD in Urban Design and Planning 2006/2011**

University of Washington, Seattle, U.S.A., 2012, GPA 3.7/4.0

* **Master’s Degree in Space Systems on Earth Observation- Remote Sensing and GIS Applications 2001/2002**

Lecce University (ISUFI Institute), Lecce, Italy, Final grade Excellent (Honor List)

* **Master’s Degree in Transportation and Highway engineering 2000/2005.**

An-Najah National University, Nablus, Palestine, GPA 89.8% (Honor List)

* **B.Sc. Degree in Civil Engineering 1995/2000**

An-Najah National University, Nablus, Palestine, GPA 85.9% (Honor List)

**Specialized Training and Courses:**

* **Remote Sensing (RS) and Geographic Information Systems (GIS) Applications in:**

Monitoring Urban Areas; Monitoring Industrial and Natural Hazards and Disasters (fires, landside, flooding); Monitoring Agricultural, Forest and Water Resources; Monitoring Coastal Zones (pollution, erosion);

* **Advanced GIS and Modeling:**

Urban Simulation, GIS Programming and Geoprocessing.

* **Urban Planning:**

Urban Morphology, Urban Form, Planning Evaluation, Advanced Land Use Planning and Visioning;

**Transportation Engineering and Planning:**

Urban Transportation Planning, Travel Demand Forecasting, Transportation and the Environment, Geography of Transportation, Transportation Facilities Engineering, Highway Design and Pavement Design;

**Languages:**

* Arabic: The mother language
* English: Excellent

**Teaching and Academic Experience:**

* **January 2012 – Present:**

Assistant Professor,Urban Planning Department, Faculty of Engineering, An-Najah National University, West Bank, Palestine

* **June 2011 – September 2011:**

Instructor, Urban Design and Planning Department, Faculty of Built Environment,

University of Washington, Seattle, U.S.A.

* **June 2010- April 2011:**

Visiting Scholar, Urban Planning Department, The College of Design, Construction and Planning- University of Florida, Gainesville, U.S.A.

* **June 2009- September 2009:**

Visiting Scholar, Urban Planning Department, The College of Design, Construction and Planning- University of Florida, Gainesville, U.S.A.

* **November 2002 – June 2006:**

Instructor, Civil Engineering Department, Faculty of Engineering, An- Najah National University, Nablus, Palestine.

* **December 2000- November 2001**

Teacher Assistant**,** Civil Engineering Department, Faculty of Engineering, An- Najah National University, Nablus, Palestine.

**Working Experience**:

* **Senior Staff and Consultant, October, 2015 – currently**

A member of a consultation team working on a strategic plan for Bethlehem Governorate.

* **Senior Staff and Consultant, February, 2014 – currently**

*Municipality of Tubas City, Palestine (Voluntary work)*

* + Working on planning an industrial area and proposing strategies to move light and medium industries from the Tubas City boundaries to the new industrial area.
	+ Working on planning a stadium in the city as a technical committee member in collaboration with the engineering department at the municipality.
	+ Working on updating the strategic plan for the city.

*Chamber of Commerce of Tubas Governorate, Palestine (Voluntary work)*

* + Working as a consultant on economic development strategies and planning affairs.
* **Senior Staff, 2005-2006**

*Regional and Urban Planning Center, An-Najah National University.*

* + Working on physical plans of Hewara town
	+ Working on physical plans of Al-Bathan villages.
* **Engineer Practice June 2002 -October 2000**

*Territory and Environment Laboratory of Tecnopolis, Bari, Italy.*

Working on usage of High Resolution Remotely Sensed Data to monitor urban areas at micro spatial scale using GIS (ArcGIS 8.0.2) and RS (ER Mapper 6.2) software as tools.

* **Designer Engineer June 2000- Sep. 2000**

*Al-Hanbaly Consultant Engineering Company, Nablus, Palestine*

Structure and Reinforced Concrete Designer.

**Community Based Learning Projects:**

* **Project 1: Building a Physical Properties and Infrastructures GIS Database for Tubas Municipality (September, 2014 – Present).**

With the collaboration of Tubas City Municipality and the Urban Planning Department at An-Najah National University and as community project in the Geographic Information Systems Class.

* **Project 2: An Analysis and Evaluation of the Pavement Conditions and Geometric Design for the Road Network in Nablus City Using GIS (January – May2014).**

With the collaboration of the Municipality of Nablus city and Urban Planning Department at An-Najah National University and as community project in the Soil and Materials Properties Class.

* **Project 3: Design and Implementation of Building GIS Database for Aqqaba Village (January, 2014)**

With the collaboration of Aqqaba Municipality and An-Najah National University. Voluntary work prepared by urban planning students and under my supervision.

* **Project 4: Building a Structures and Infrastructures Geodatabase for Beit Wazan Village Using GIS (September, 2013 – May, 2014).**

With the collaboration of Beit Wazan Village Council and and the Urban Planning Department at An-Najah National University, and as community project in the Geographic Information Systems Class.

* **Project 5: Mapping Nablus City for Earthquake Evacuation Project Using GIS Technology (September, 2012 – December, 2013).**

With the collaboration of Urban Planning and Disaster Risk Reduction Center, the Municipality of Nablus city and the Civil Engineering Department at An-Najah National University.

**Teaching and Training Experience:**

* **Community Based Learning (CBL): What…Why… and How?**

A series of workshops aims to introduce the CBL to the university instructors. I give this workshop on semester bases at An-Najah National University for faculty members from different colleges. I have given the workshop also in three Palestinian Universities: Khodury University, Polytechnic University and Hebron University.

* **GIS as a Water Harvesting Tool (20 to 24 May, 2014):**

This was a training course given in collaboration with ICARDA, care and P.A.R.C. as part of the Enhancement the Livelihoods of Livestock Breeders in the West Bank Area (c) Project. The course emphasized the role of GIS as a tool in water harvesting by training participants on how to use GIS in runoff characteristics including digital elevation models (DEM), Flow Direction, Flow Accumulation, and Watershed areas.

* **Selected Graduate Courses:**
	+ *University of Washington, Seattle, U.S.A*
		- Advanced Geostatistical Analysis Using GIS
		- Coordinator of a Colloquium entitled: Bridging the Gap between Education and Practice in Urban Planning
	+ *An-Najah National University, Palestine*
		- Geographic Information Systems and its Environmental Applications
		- Statistical Analysis and its Applications in Urban and Regional Planning
		- Aspects of Urban and Regional Planning in Palestine
* **Undergraduate Courses: (***An-Najah National University, Palestine***)**
	+ Geographic Information Systems as a Community Based Learning Class
	+ Advanced Geographic Information Systems and their Applications in Urban Planning
	+ Application of Geographic Information Systems in Civil Engineering
	+ Regional Planning
	+ Transportation Engineering
	+ Urban Transportation Planning
	+ Land Use Planning

**Academic Achievement and Research:**

* **Theses:**
	+ Spatio-temporal Analysis of Urban Development Patterns in Palestinian Communities: Bethlehem-Hebron Region as a Case (PhD Dissertation)
	+ GIS as a Tool for Route Location and Highway Alignment (Master’s Thesis)
	+ Using High Resolution Remotely Sensed Data for Urban Monitoring and Control (Master’s Project)
* **Papers and Articles:**
	+ Education for Citizenship: Measuring the Impact of the Community-Based Learning Program in Palestine. Journal of Pedagogic Development (JPD) 2017, 7 (2): 23-37. Coauthor
	+ Assessing the Community Engagement in the Learning Process
	across Disciplines at An-Najah National University (ANU). International Journal of Managerial Studies and Research (IJMSR)
	2015, 3 (11): 54-63.
	+ The Evolution of GIS as a Land Use Planning Conflict Resolution Tool: A Chronological Approach. American Journal of Geographic Information System 2014, 3(1): 38-44.
	+ Geographic Information Systems as a Community Based Learning Class: Challenges and Learning Opportunities. Journal of Educational and Instructional Studies in the World 2013, 3 (1): 181 – 190.
	+ Urban Planning Students Make a Difference through a Community Based Learning Class. A conference paper presented at the 5th International Conference on New Trends in Education and their Implications 2014. Antalya, Turkey.
	+ Challenges of Teaching Geographic Information Systems as a Community Based Learning Class: the Case of An-Najah National University. A conference paper presented at the 4th International Conference on New Trends in Education and their Implications 2013. Antalya, Turkey.
	+ Modeling Land Suitability for Urban Expansion Using Analytical Hierarchy Process and GIS: A Case Study from the West Bank-Palestine (a Paper Presented in Palestinian Faculty Development Program Conference, Austin, Texas, U.S.A., 2010).
	+ Modeling Driving Factors of Urban Development Using GIS and Geographically Weighted Regression (a Paper Presented in Palestinian Faculty Development Program Conference, Syracuse, New York, U.S.A., 2011).
	+ Using GIS in Estimating Vehicle Emissions in the West Bank: Impact of the Israeli Check points (coauthor, unpublished paper)

**References:**

* Prof. Donald Miller, University of Washington, Seattle, U.S.A.:

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* Prof. Tymothy Nyerges, University of Washington, Seattle, U.S.A.:

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* Prof. Paul Zwick, University of Florida, Gainesville, U.S.A.:

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