



Hameed Alfurjani

Date of birth: 13/10/1990

Nationality: Libyan

CONTACT

University Road, Al-Furnaje,
University of Tripoli / Faculty of
Science/ Geophysics
Department
Tripoli, Libya (**Work**)

Al-Nofleen, Sheikh Street
Tripoli,
Tripoli, Libya (**Home**)

hameeddou@gmail.com

(+218) 918314195

(+218) 945416217 (**WhatsApp**)

WORK EXPERIENCE

University of Tripoli Tripoli, Libya

Demonstrator, Geophysics Department, University of Tripoli.

13/10/2017 – 11/05/2025

- Developed tutorial materials covering core topics such as seismic waves, earthquake physics, and hazard assessment.
- Designed and conducted laboratory sessions focused on seismogram interpretation, earthquake location techniques, and seismic data analysis.
- Organized course content, assignments, and field activities to enhance hands-on learning in seismic exploration.
- Integrated real-world case studies to deepen students' understanding of seismic hazard and risk.
- Assisted in delivering lectures and practical sessions on seismic reflection, refraction, and field data acquisition methods.
- Supported students during lab exercises involving data processing and interpretation using specialized software (e.g., MATLAB, ArcGIS).
- Provided one-on-one academic guidance to clarify complex concepts and improve student engagement and performance.
- Evaluated student reports and lab work, offering constructive and personalized feedback to foster academic development.

University of Tripoli Tripoli, Libya

Lecturer's assistant

11/05/2025 – Current

Taught the following undergraduate courses:

- **GP313 – Geoelectric Methods I:** Introduction to electrical and electromagnetic methods used in subsurface exploration.
- **GP223 – Seismic Exploration Methods I:** Fundamentals of seismic reflection and refraction for geophysical prospecting.
- **GP421 – Seismology:** Principles of earthquake seismology, seismic wave propagation, and Earth structure analysis

EDUCATION AND TRAINING

2008 Benghazi, Libya

Secondary School Shabab Al Thawrat (Awl September formerly)

Level in EQF EQF level 4

2014 Benghazi, Libya

Bachelor of Science in Earth Science/ Geophysics University of Benghazi

Website <http://www.uob.edu.ly/> | **Level in EQF** EQF level 6

21/06/2023 – 19/07/2023 Potsdam, Germany

International Training Course on seismology and seismic hazard, GFZ, Potsdam, Germany. The GFZ Helmholtz Centre for Geosciences

11/05/2025 Tripoli, Libya

Master's degree of Science in Geophysics Univeristy of Tripoli

- Updated and expanded a comprehensive earthquake catalog for Libya, integrating both historical and instrumental seismicity.
- Consolidated data from local and international sources; filtered dependent events and standardized magnitude scales.

- Developed advanced seismic source models critical for probabilistic seismic hazard assessments and risk reduction strategies.
- Competent in using Python, MATLAB, and ArcGIS for seismic data analysis, modeling, and geospatial visualization.

Website <https://uot.edu.ly/> | **Final grade** Excellent | **Level in EQF** EQF level 7 | **Thesis** Risk Targeted Earthquake Maps of North Libya

LANGUAGE SKILLS

MOTHER TONGUE(S): Arabic

Other language(s):

English

Listening B2

Spoken production B1

Reading B2

Spoken interaction A2

Writing B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

PRODUCTIVITY SUITES

Microsoft Office | Adobe Photoshop | ArcGIS | MatLab | GMT (Generic Mapping Tool) | Python

GEOPHYSICAL PACKAGES

Atlas (Data Analysis software by Nanometrics) | Zmap (Seismicity analysis software) | R-CRISIS (2020) | Petrel | O asis montaj | Global Mapper | Golden Software (SURFER, GRAPHER, MAP), etc.....