

# Pauline Angerlyline Wamalwa

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Nairobi: Kenya

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## PROFESSIONAL SUMMARY

Energetic lecturer with over three (3) years' experience in private technical and vocational college (TVT) and (4 months) in university environment. Proponent of utilising geospatial technology to enhance teaching and help students to utilise the technology in solving the real-time geographic problems in the community such as climate change, population, natural disasters and an inappropriate land use land cover change. Proficient in explaining complex topics to students with all levels of scientific and geospatial understanding which can be deployed in scientific and academic research.

## PROFESSIONAL EXPERIENCE

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### Maasai mara University

#### Lecturer (Part-time)

*Narok  
Sept 2024 -Present*

A lecturer in the following units: Geography, Geo Information systems, remote sensing and environment. For the academic year 2023/2024 1<sup>st</sup> semester, I was able to teach two units that is GEO 4149. Environmental Management and GEO 1106. Intro to GIS and RS. For the second semester am teaching 4 units which includes; GEO 2223 GIS AND WEB, URP 3233 GIS Applications, URP 4249 Conflicts Management & Resolutions and GEO 2222 Human Migration and Settlements. I have also supervised exams and marked scrips timely.

### Regional Centre Training Institute (RCMRD)

#### Lecturer (Part-time)

*Nairobi  
July 2021–Present*

A lecturer in the following units; Geography, Geo Information Systems (GIS), Remote Sensing (RS) and Research Methods.

A class tutor whose key responsibilities includes; provision of extra education and support to help student academically and earn needed qualifications. I do engage in the student's welfare to ensure that they are in a good environment for learning purposes. Am also in the disciplinary committee which is chaired by the register of students.

Students' projects; I help in the supervision of student projects for KNEC exams. Some of the projects I have supervised includes;

- a. Assessing Soil Erosion in Kenya Using the Revised Universal Soil Loss Equation (RUSLE) model.
- b. Utilization of Geo Information System in Tracking Forest Loss and Recovery in Kiambu County; Kenya.
- c. Developing a Flood Susceptibility Map for Nyando Basin using GIS and AHP.
- d. Mitigation of Urban Flood Risks using GIS and RS technologies: a Case Study of Mukuru Kayaba.
- e. Estimation of above Ground Biomass for the Five Water towers in Kenya using Satellite Data. etc.

Environmental club patron; As a patron for the environmental matters in the college, my key role is to ensure that the college environment is improved and this has seen us increase tree plantation, introduction of the dustbins in the college environs and in classes to reduce littering.

#### **Geomaster Land Survey Limited**

##### **GIS Analyst / Planner**

Key role was drawing and preparing maps, charts and review submissions for proposed development within a community using softwares such as; ArcMap, ArcGIS, Qgis, Erdas Imagine & AutoCAD.

*Nairobi*

*Aug 2012- 2020*

#### **Carlile College**

##### **Lecturer**

A lecturer of the following units: Geography, & Research methods and in charge of guiding and counselling.

*Nairobi*

*July 2011–2012*

#### **Ramani Geosystems Nairobi**

##### **Intern**

Key role was helping in drawing and preparing maps, charts and graphs and review submissions for proposed development within a community using softwares such as GIS & RS (ArcMap, ArcGIS, Qgis, Erdas Imagine & AutoCAD).

*Nairobi*

*Jan - June 2011*

## EDUCATION

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<b>Maasai Mara University</b>	<b>Narok</b>
PhD in Environmental Planning and Management (In progress)	May 2023 to date
<b>Kenyatta University</b>	<b>Nairobi</b>
Masters in Urban Regional Planning	2021
<b>Moi University</b>	<b>Eldoret</b>
Degree (BA Geography)	2010
<b>Bunyore Girls</b>	<b>Maseno</b>
KCSE Certificate	2004
<b>Nzoia Boarding Primary School</b>	<b>Bungoma</b>
KCPE Certificate	1999

## PUBLICATIONS

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Pauline A Wamalwa<sup>1</sup> Dr. Thomas Kibutu<sup>2</sup> & Dr. Jackson Musau<sup>3</sup> (2020), *An Assessment of Factors Influencing the Performance of Metallic Artisans at Kamukunji Enterprise Cluster*, Nairobi County, Kenya.

Wamalwa, P. (2025), Developing a Mangrove Zonation Map for Sustainable Use in Mida Creek, Kilifi County.: African Journal on Land Policy and Geospatial Sciences, 8(5), 781–788.

Wamalwa, P. (2025), Menace of Flash Floods in Urban Areas: A case Study of Nairobi County: African Journal on Land Policy and Geospatial Sciences: 8 (6) 2657-2664

## TRAININGS

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GROUP	TOPIC	PERIOD
Gambia Department of Disaster Management	Climate Change Adaptation & Resilience	April 2025

## PROFESSIONAL BODIES

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A graduate member of the Kenya Institute of Planning (KIP)  
Environmental Impact Assessment Licenses (EIA) (In progress)

## ADDITIONAL SKILLS

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- Kobo tool Box for Data Collection
- Proficient in Geospatial softwares such as ArcMap, ArcGIS, QGIS, Google Earth Pro, AutoCAD civil 3D & Erdas Imagine
- Proficient in MS Office (Word, Excel, PowerPoint)
- Fluent in English and Kiswahili

## REFEREES

### **Doctor Lagat Meshack**

Maasai Mara University

Chair of Department of Environmental Studies, Geography and Planning

Phone No. **0727 144 096**

### **Doctor Rapheal Kweyu**

Kenyatta University

Department of Geography

Phone No. **0728 322 788**

Email Address: raphael@ku.ac.ke

### **Ms. Dorris Nyawira Karuga**

Regional Centre Training Institute (RCMRD)

HOS Department of GIS & RS

Phone No. **0716 322 278**

Email Address: dorriskaruga@gmail.com

## DECLARATION

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I hereby declare that the above information is correct

A handwritten signature in blue ink, appearing to be 'Raphael Kweyu', with a horizontal line drawn through the middle of the signature.