# THE TECHNICAL UNIVERSITY OF KENYA

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## NAME: DR JANES OUMA ODONGO

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|---|---|
| Faculty: | Applied Sciences and Technology |
| School: | HEALTH AND BIOMEDICAL SCIENCES |
| Department: | Pharmaceutical Sciences and Technology |
| Current Designation: | Lecturer, DEPARTMENT OF LIBERAL, DEVELOPMENT AND INTERNATIONAL STUDIES (DLDIS) |
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## EDUCATION

| LEVEL | QUALIFICATION NAME | INSTITUTION | YEAR |
|---|---|---|---|
| Doctor of Engineering (Dr-Ing) | URBAN AND RURAL PLANNING | BEIJING UNIVERSITY OF TECHNOLOGY(China) | 2024 |
| Masters of Arts (MA) | SOCIOLOGY (DISASTER MANAGEMENT) | UNIVERSITY OF NAIROBI(Kenya) | 2017 |
| Bachelor of Science (BSc) | Disaster Management and International Diplomacy | Masinde Muliro University of Science and Technology(Kenya) | 2012 |

## WORK EXPERIENCE

| PERIOD | INSTITUTION | POSITION |
|---|---|---|
| 14/09/2026 - Ongoing | The Technical University of Kenya | Lecturer |
| November 2014 - December 2017 | The Technical University of Kenya | Graduate Assistant |
| 29/05/2012 - 23/11/2015 | KCB Bank Group- KCB Group Headquaters | Customer Experience Consultant |
| December 2017 - 13/09/2026 | The Technical University of Kenya | Tutorial Fellow |

## SELECTED PUBLICATIONS

| TITLE | LINK TO PUBLICATION | YEAR |
|---|---|---|
| Towards a Decolonised Understanding of Indigenous Knowledge and Its Application in Shaping Sustainable Development Narratives in Sub-Saharan Africa | View online | 2026 |
| Odongo, J.O. & Donghui, M. (2021). Infrastructure Dynamics of Urban Human Agglomeration in Nairobi, Kenya. IOSR Journal of Humanities and Social Science (IOSR-JHSS) Volume 26, Issue 1, Series 7 (January. 2021) 01-12. e-ISSN: 2279-0837, p-ISSN: 2279-0845. | View online | 2021 |
| Munene, M.B, Odongo, J. O. and Nyambane, A. (2019) Energy Efficiency in Kenya: Public Awareness, Strategies, Challenges and Opportunities, Odongo, Rabat, Morocco: Heinrich Boll Stiftung. | View online | 2019 |
| Odongo, J.O. (2018) Of Man-Eating Landlords and Non-Functioning Regulatory Frameworks. Nairobi: The Standard Newspaper. | View online | 2018 |
| Odongo, J.O. (2018) Achieving Information Safety in A Disaster Environment: The Way Forward for Africa. Regional Journal of Information and Knowledge Management, 3 (1),15-29. | View online | 2018 |
| Odongo, J.O. (2017) Social Impacts of Gulley Erosion in Kenya: A Study of Kisumu West Constituency, Nairobi, Kenya: University of Nairobi. | View online | 2017 |
| Fei Z, Guo X, Odongo JO, Ma D, Ren Y, Wu J, Wang W, Zhu J. A. (2023). Seismic Fragility Assessment Method for Urban Function Spatial Units: A Case Study of Xuzhou City. Sustainability; 15(10):8022. https://doi.org/10.3390/su15108022. | View online | 2023 |
| Odongo, J. and Ma, D. (2021) Perspectives in Urban Planning Research: Methods and Tools. Current Urban Studies, 9, 759-778. DOI: https://doi.org/10.4236/cus.2021.94045. | View online | 2021 |
| Nyandiko, N., Kimokoti, S., Odongo, J. and Ma, D. (2022). Harmonizing Disaster Risk Reduction and Climate Change Adaptation Frameworks for Risk Informed Development Planning in Sub-Saharan Africa: The Case of Uganda and Malawi. Journal of Sustainable Development; Vol. 15, No. 5; 2022. DOI: https://doi.org/10.5539/jsd.v15n5p22. | View online | 2022 |
| Odongo, J. O. (2020) The Theory of Social Clustering and the Reorganization of Human Society. EPH - International Journal of Humanities and Social Science (ISSN: 2208-2174), 4(3), 47-56. | View online | 2020 |
| Modelling citizen participation in apathetic urban communities: suggestions based on Nairobi's urban solid waste related flood risk management practices | View online | 2024 |
| Urban Informality and Its Impacts on Sustainable Urbanism: A Review Using Selected Indicators in Kayole Informal Settlement in Nairobi. | View online | 2024 |
| Modelling Feasibility Scenarios for Achieving Public Space Standards in Nairobi’s Informal Settlements under the 2030 Sustainable Development Framework. | View online | 2025 |

## POSTGRADUATE STUDENTS SUPERVISION

| NAME | PROJECT TITLE | PERIOD |
|---|---|---|
| Musa C. Galdayan | Impact of Inter-Ethnic Conflicts Among Pastoralist Communities of Kenya: A Case Study of Rendille and Borana Conflict (2007 – 2017) | Sept. 2017- May 2018 |

## COURSES TAUGHT

| NAME | DESCRIPTION | PERIOD |
|---|---|---|
| Crisis and Emergency Management | At the end of this course unit, the learner should be able to: 1. Define the basic concepts used in the course 2. Identify crises based on the basic crisis identification matrix that will be taught in the course. 3. Undertake Situational Rapid Assessment for any crisis and write SRA reports. 4. Management crisis scenarios based on the crisis management principles that will be taught in this course. 5. Recognize the importance of preparing contingency plans, emergency response plans and... | January 2015 - TO-DATE |
| IDP and Refugees Management | Refugee camps and shelters; planning; site selection. Camp layout and services; shelter storage facilities and services. Practice in camp establishment. Displaced Person Camps: Criteria for site selection social needs, water, open space, accessibility, environmental considerations, soil and ground cover, land rights. Initial health assessment, mortality rate, and morbidity rate; Displaced person health care, Food & Nutrition; Non-food distribution - blankets, cooking utensils, sleeping mats..... | January 2015 - TO-DATE |
| Introduction to Disaster Management | Purpose To expose learners to the basic concepts and functions in disaster management Expected Learning Outcomes By the end of the units the learners should have the ability to: 1. Define the various concepts used in Disaster Management 2. Describe different types of disasters, their trends and consequences on populations; 3. Describe the disaster cycle of mitigation, preparedness, response and reconstruction; 4. Discuss the factors the influence risks to a population from a hazard... | September 2015 - TO-DATE |
| Conflict Management in Africa | Introduction: The Perception of Conflicts and Conflict Management in Africa, Sources and Causes of Conflicts in Africa: (Taxonomy of Causes of conflicts in Africa), Case study of specific conflicts in Africa, Approaches to conflict management: African Traditional Conflict Management techniques, Third Party Intervention: Mediation, Negotiation, Arbitration, Conflict Transformation: Peace Making, Peace Keeping, Disarmament and Arms Control, Culture, Identity and conflict Management | September 2015 - TO-DATE |
| Climatological Aspects in Disaster | General circulation of the atmosphere: meridional and zonal circulation, seasonal and inter-seasonal winds, types of climatic hazards in Eastern and Central Africa; effects of climate stress on specific hazards: natural hazards, relationship between human-made disasters and climate related disasters, floods, droughts, tropical cyclones, heat waves, severe storms; climate needs in disaster management continuum; early warning systems, role of climate and needs in Eastern and Central Africa... | January 2015 - TO-DATE |
| Introdction to Conflict Management | The concept of conflict, Introduction to conflict management, difference between conflict and war, Theories of Conflict analysis, causes of conflict, nature and nurture debate, biological theories of conflict, inherent and contingent theories of conflict, psychological theories, the frustration aggression theory, socio-biology, ethological approaches, theory of relative deprivation, groups, history and conflict, resources competition, conflicts and disputes, internationalization of conflict.... | September 2015 - TO-DATE |
| FUNDAMENTALS OF DIPLOMACY | The Purpose of the course The aim of the course is to introduce learners to the concept of Diplomacy and its role in the conduct of relations between and among states and the various organs of diplomacy. Learning outcome By the end of the course the learners should be able to • Understand the concept of Diplomacy and its role in international relations • Explain the evolution of Diplomacy from antiquity to the modern era • Analyze the various forms and functions of Diplomacy... | September 2015 - TO-DATE |
| Civil Society and Conflict Management | i. The aim of the course is to expose learners to the utility of civil society organizations in conflict management. Among its key outcomes include exposing learners to civil society organizations, their history and general utility, and facilitating an understanding by learners of the role of civil society organizations in conflict management. Through this, the learners are then required to analyse the challenges that come with the involvement of civil society organizations in conflict managemen | January 2025 - TO-DATE |
| International Humanitarian Law | The course aims to expose learners to IHL so as to facilitate an understanding of the history, principles (the principle of distinction between civilians and combatants, prohibition of attacks against hors de combat, prohibition on the infliction of unnecessary suffering, principle of proportionality, the notion of necessity and the principle of humanity), application (including scope and cases where it has been applied) impacts in conflict management, challenges facing its implementation | January 2018 - TO-DATE |
| Disaster Logistics and Emergency Supply Chain Management | Introduction, definitions of logistics, procurement, transportation, warehousing, supply, supply chain, strategic sourcing, material and demand planning, competencies of the logistics officers, customer relationships, negotiation, supplier risk management, capital equipment purchasing, tendering, cost-price analysis, global procurement best practice, the role of logistics in disaster continuum... | January 2015 - TO-DATE |
| Disaster Response, Recovery and Reconstruction | The aim of the course is to advance learners' knowledge of theoretical concepts and practical skills necessary for effective engagement in disaster response and recovery operations. Among the content taught here include Brief Overview of Disaster Management, Definition, Characteristics and Goals of disaster response, recovery and reconstruction, Resources and ethical considerations for DRRR, DRRR planning and structure of these plans, key challenges in DRRR, and human and technical factors in DR | January 2025 - TO-DATE |
| Disaster Preparedness, Planning and Response | Preparedness planning: Introduction: what is disaster preparedness, the role of disaster preparedness, theoretical perspectives in disaster preparedness, Disaster preparedness components: fire fighters, police, ambulance, media, disaster relief operations (DRO), Communication plans, proper maintenance of emergency services and training, including mass human resources, community response teams, development and exercise of emergency, population warning methods, emergency shelters and evacuation... | May 2015 - TO-DATE |
| Theories and Practice of International Mediation | The aim of the course is to advance students' knowledge of theoretical concepts and skills underlying a range of approaches to mediation in a variety of settings. Among the key themes covered here include: - Understanding third-party interventions, introduction to international mediation (IM), the structure of IM, actors, issues and interests in IM, phases of IM, the ripe moment for mediation, the mediation environment, bias in IM, implementation of mediation outcomes and emerging trends in IM. | September 2017 - TO-DATE |