



UNIVERSITY OF NAIROBI

School of the Built Environment

2014 Annual report

1. Introduction

The School of The Built Environment was established on 3rd January, 2006, following the restructuring of the former Faculty of Architecture, Design and Development. With over 100 staff and over 2,000 students we offer a unique range of educational opportunities spanning the diverse range of professions involved in the planning, design, construction, development, costing, valuation and management of our environment and infrastructure. Our driving philosophy is the promotion of effective training, education, relevant research and academic excellence in the built environment and related fields.

The School caters for the needs of government, industry, local and international communities and professional practice by offering courses in Architecture and Design Technology, Construction Management, Quantity Surveying, Valuation and Property Management, Planning, Housing and Urban Management. The courses offered in the School embrace a diversity of subjects, the common theme running through them being the man-made physical environment and the exercise of human control over it.

There are opportunities within the undergraduate taught programmes for industrial placements, field trips, and practical work, which supplement the usual mix of lectures, assignments, and group work. To enrich our programmes, the School maintains close links with the needs of practice through scholarship, research and consultancy. Virtually all courses are fully recognized and accredited by the relevant professional bodies. These include Architectural Association of Kenya, Institution of Surveyors of Kenya, Institute of Quantity Surveyors of Kenya, and Kenya Institute of Planners. In addition, the Bachelor of Architectural Studies/Bachelor of Architecture course is accredited by the Commonwealth Association of Architects.

The professions within the School of The Built Environment have got a long history. They are as old as the University of Nairobi itself stretching back to the days of the Royal Technical College

of 1956. In 1967, the former Faculty of Arts and Architecture was re-named the Faculty of Architecture, Design and Development. This change of title reflected a re-appraisal of the objectives and scope of activities undertaken by the Faculty and the corresponding changes in the courses offered as introduced during the 1967-1970 triennium.

The School of The Built Environment offers professional courses in the fields of Architecture, Real Estate, Quantity Surveying, Construction Management and Planning leading to Bachelors degrees in these fields. There are also, currently seven (7) two-year postgraduate courses in Urban Management, Planning, Housing Administration, Valuation and Property Management, Construction Management, Building Management, and Architecture. The programmes are also open to self-sponsored students commonly referred to as Module II programmes. In addition, we offer a diploma in Estate Agency and Property Management plus a postgraduate diploma in Housing Administration.

As a professional School with diverse interests and needs, we are committed to being the leading built environment teaching and research institution within the African region. In order to offer relevant, dynamic and market driven academic programmes, all the Departments within the School are currently developing new curriculum in their respective disciplines.

At the students' level, the students have established professional associations which create an avenue for linkages with built environment practitioners. The three associations are: Architectural Students' Association (ASA), Construction and Real Estate Students' Association (CRESA) and Planning Students Association (PLASA).

Academic staff members attend and present papers in international conferences and workshops. To support this process, the School organizes an annual East African Regional Workshop and Exhibition on Architecture and Urbanism. These workshops bring together academia and practitioners from the region to exchange and deliberate on contemporary architectural and urban issues. Proceedings of these workshops are normally published by the Africa Habitat Review Journal which is domiciled in the School.

The School of the Built Environment is located in ADD Building off Mamalaka Road (vehicle access) and opposite the YMCA (pedestrian access). It is comprised of 3 Departments namely

- Architecture & Building Science
- Real Estate and Construction Management
- Urban and Regional Planning

The Dean's office plays the coordinating role of the entire school.

2. Programs offered

a) Architecture & Building Science

UNDERGRADUATE	GRADUATE	POSTGRADUATE
Bachelor of Architecture (B.ARCH)	Master of Urban Management (MUM)	Doctor of Philosophy (Ph. D)
Bachelor of Architectural Studies (BAS)	Master of Architecture (M.ARCH)	

b) Real Estate and Construction Management

UNDERGRADUATE	GRADUATE	POSTGRADUATE
Bachelor of Quantity surveying (BQS)	Postgraduate Diploma in housing administration	Doctor of Philosophy (Ph. D)
Bachelor of Real Estate (BRE)	Masters degree in Construction management	
Bachelor of Construction Management (BCM)	Masters degree in Valuation & property management	
Diploma in Estate Agency & Property management	Masters degree in Housing administration	
	Masters degree in Building management	

c) Urban and Regional Planning

UNDERGRADUATE	POSTGRADUATE	PhD
Bachelor of Arts (Urban and Regional Planning)	Master of Arts (Planning)	Doctor of Philosophy (PhD)

3. **Students' enrollment**

a) **Architecture & Building Science**

Year	M	F	Total
BAS 1 (2015/2016)	59	31	90
BAS 1 (2014/2015)	50	22	72
BAS 2	64	24	88
BAS 3	62	34	96
BAS 4	57	30	77
B.ARCH 5	37	21	58
B.ARCH 6	27	16	43
M.ARCH	5	8	13
MUM	15	8	23
PhD	2	4	6
GRAND TOTAL	378	198	576

<u>KEY</u>
BAS - Bachelor of Architectural Studies
B.ARCH - Bachelor of Architecture
M.ARCH - Master of Architecture
MUM - Master of Urban Management
PhD - PhD in Architecture

b) Real Estate and Construction Management

ROGRAMME	NUMBER	TOTAL
UNDERGRADUATE		
Bachelor of Quantity Surveying (BQS)	384	1036
Bachelor of Real Estate (BRE)	396	
Bachelor of Construction Management (BCM)	230	
Diploma in Estate Agency & Property Management	26	
GRADUATE		
Master of arts degree in Housing Administration	6	50
Masters degree in Construction Management	29	
Masters degree in Valuation & Property Management	15	
POSTGRADUATE		
Doctor of Philosophy (Ph.D)		2
GRAND TOTAL		1086

c) Urban and Regional Planning

PROGRAMME	NUMBER
UNDERGRADUATE	
Bachelor of Arts (Urban and Regional Planning)	310
POSTGRADUATE	
Master of Arts (Planning)	28
Doctor of Philosophy (PhD)	10
GRAND TOTAL	348

4. International students

NAME	GENDER	PROGRAMME	COUNTRY
Kayonde Peter	M	Bachelor of Real Estate	Uganda
Ajak Philip Garanga	M	Bachelor of Quantity Survey	Sudan
Msapato Miriam Elton	F	M.A in Valuation and Property Management	Malawi
Nyantari Jacob Samuel	M	Bachelor of Quantity Surveying	Tanzania
Claudine Uwitije	F	M.A Planning	Rwanda
Bior David Abijok	M	B.A Planning	Southern Sudan

5. Research activities

Project Name	Sponsor	Start Year	End Year	Amount
Habitat Studies Southern & Eastern Africa	Norwegian University/ T.J.C.Anyamba	2002	2006	US \$ 121,480
Phd Fellowship	DAAD Mary Imani Mukindia (PI)	1998		US \$ 5,514
Kenya National Library	Project Architect , Francis Mungai	2013	2013	
Urban Innovations Project	The Rockefeller Foundation and Center for Urban Research and Innovations	2009	2015	US\$250,000
Sustainable Buildings Policies In Developing Countries	United Nations Environment Programme (UNEP) and Centre for Climate Change and Sustainable Energy Policy.	2012	2013	US\$50,000

6. International Links and collaborations

- Oslo School of Architecture
- University of California
- Columbia University Link on Urban Planning
- UIP/Katholic University/Columbia University Link in Nairobi Metro Concept Plan.
- University of Cape Town . Project on Revitalization of Planning Education in Africa.

7. Publications

SN	Title/Name of the Article	Author/s	Name of Journal/Publications	Date of Publication
1.	Sustainable Urban Development, Product Design and Construction Management.	Prof. R. Rukwaro	Africa Habitat Review 8	2014

2.	Application of artisanal dimension stone in the building industry: factor analysis of the regulatory environment in Nairobi, Kenya. Habitat International 25 (2001) 599–615 Planning and development control through lease conditions City: analysis of urban trends, culture, theory, policy, action: The right to the city.	Dr. O. K'Akumu	Architectural Engineering and Design Management, DOI: 10.1080/17452007.2014.915511:	2014
3.	Green building design Strategies in Tropical Climates	Arch. Musau Kimeu	The Architect	Issue 2, September 2013 ó March 2014
4.	Green Architecture, Aday with Architect Musau Kimeu	Arch. Musau Kimeu	Varsity Focus	December 2014
5.	Streets Heritage for Sustainable Urban Development	Robert Rukwaro	African Habitat Review 8	November 2014
6.	Streets Heritage for Sustainable Urban Development	Charles Osengo	African Habitat Review 8	November 2014
7.	Mainstreaming Indigenous Natural Fibres for Eco-Friendly African Product Design in Kenya	Samuel M. Maina	African Habitat Review 8	November 2014
8.	The Need for Database and User-Interface Systems for Urban Planning	Maurice Onyango Oyugi	African Habitat Review 8	November 2014

9.	Land use Compatibility for Optimal Development of Malindi	Rashid A. Abdullahi	Masters Thesis	July 2014
10.	Land use change and its impact on livelihoods: case study of kalokol division turkana county, kenya	Mark Ewesit Ewoi	Masters Thesis	July 2014
11.	Green Infrastructure Planning within Mixed Development residential Neighborhoods of Nairobi: case study of Tena Estate	Obasta, Allan Peter	Masters Thesis	July 2014
12.	The institutional challenges of development control in urban areas: a case study of thika municipality, Kenya	Dominic Muchemi Nduthu	Masters Thesis	July 2014
13.	Sustainable utilization of public parks in urban areas: a case study of Christina wangari garden in thika sub-county	Gacih Jacinta Njambi	Masters Thesis	July 2014
14.	Assessing resilient agriculture-based livelihoods: a case study of conservation agriculture in kanthonzweni sub-county	John Kimathi Mbae	Masters Thesis	July 2014
15.	Land cover changes and landslide occurrence: a case of tirap division in elgeyo marakwet county, kenya	Robert kipkosgei kilimo	Masters Thesis	July 2014
16.	Bomet County Integrated Regional Plan	Prof Ndegwa and Murimi	Studio Project	2013-2033

17.	Assessment of Solid Waste Streams in Nairobi: Technical Report, 2009. Consultancy report to UNEP/CCN	Prof. Peter Ngau	UNEP/CNN	2014
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8. Consultancies

No.	Name	Project name
1.	Department of Architecture & Building Science	Proposed bridge at Nairobi River (Kijabe Street), Ministry of Environment & Mineral Resources. Evaluation of Blocks D&E, Kenya Industrial Research Institute (KIRDI), proposed Climate Change Resource Centre at Meteorological Department on Ngong Road, Proposed Climate Change Resource Centre at Department of Resource Surveys and Remote Sensing On Kapiti Rd South C.
2.	Arch. E. Abonyo	Chiromo Human Anatomy Annexe, Chiromo Campus Extensions and Renovations to Engineering Building (UoN), Extensions and renovations to Estate Building (UoN) Master Plan for Ngelani University, Pumwani Maternity Hospital and Mutwini Hospital
3.	Arch. F.G. Mungai	Kenya National Library (Vision 2030 flagship) Office Building, Upper Hill Residential Development, Yaya Centre
4.	Arch. E. Oyaro	Economic Stimulus (GoK) Technical Development Centre, Athi River (Ministry of Coop Dev)
5.	Arch. E. Liku	Design & Construction Supervision of tuition & office block (South Eastern University College) Design of Model Trauma Hospital, Rongai, <i>Pumwani Maternity Hospital and Mutwini Hospital</i>
6.	Arch. Mahinda	Pharmacy project (UoN)
7.	Arch. N. Musyoki	South Eastern University SEUCO Proposed training hotel & conference centre for Machakos Technical Training Institute, Proposed classrooms & lecture theatre for Machakos Technical Training Institute Proposed commercial development for Africa Brotherhood Church, Machakos

8.	Arch. Dr. L. Shihembetsa	Proposed church for Friends Church (Quakers), Buruburu, Nairobi Proposed multi-purpose hall for Friends Church (Quakers), Kakamega Proposed students' dormitories for Kakamega High School Proposed classrooms for Ikonyero Secondary School, Kakamega Rehabilitation of Bus Terminal for Nyeri, Thika and Machakos, Design and Planning for School of Economics
9.	Arch. B. Ladu	Proposed Coast Water Services Board Mombasa Development NKG Coffee Factory, Ruiru
10.	Arch. M. Kimeu	CUEA Hall Jodala Complex Hospital for Daughters of Charity, Karen Hospital for MSF Belgium, Langata South, Nazarene University, Design and Planning for School of Economics
11.	Dr. Mary Kimani	Consultancy services for feasibility study to identify investments for Kavunyalalo irrigation and drainage project.
12.	Dr. Mary Kimani	Environmental impact assessment study report for the proposed Ngong South wind power farm
13.	Dr. Samuel Obiero and Mr. Charles Oseno	Sustainable Buildings Policies in Developing Countries

9. Staff

SN.	Designations	No.
1	Full Professor	3
2	Assoc. Professor	11
3	Senior Lecturer	15
4	Lecturer	40
5	Assist. Lecturer	4
6	Tutorial Fellow	5
7	Graduate Assistant	5
8	Senior Assistant Registrar	1
9	Chief Technologist	1
10	Senior Technologist (DEF)	2
11	Technologist (ABC)	10
12	Social Interviewer	1
13	Senior Secretary (D)	1
14	Secretary (C)	1
15	Assistant Secretary (A)	6

16	Records Clerk (A)	1
17	Messenger (ii)	3
Total		110

10. Graduands

Summary of Graduands – 2013/2014

	Course	No. of Graduands
1	Diploma in Estate Agency and Property Management	10
2	B. A. Land Economics	1
3	Bachelor of Real Estate	53
4	Bachelor of Quantity Surveying	43
5	Bachelor of Construction Management	38
6	Bachelor of Architectural Studies	49
7	Bachelor of Architecture	44
8	B.A. Urban and Regional Planning	47
9	Postgraduate Diploma in Housing Administration	28
10	M.A. Construction Management	3
11	M.A. Valuation and Property Management	1
12	M.A. Urban and Regional Planning	10
13	M.A. Urban Management	1
14	Master of Architecture	1
15	Doctor of Philosophy	1
	Total	330

11. Papers presented in conferences

No.	Paper Presented	Conference	Presenter/Author
	Streetscape Heritage for Sustainable Urban Development, A case of Biashara Street in Nairobi City	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Prof. Rukwaro
2	The Need for Database and user-Interface Systems for urban Planning	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Mr. M. Oyugi
3	Acoustics design of Conference facilities: The case of the LRC at CUE	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Arch. M. Kimeu
4	“Urban Resillience: A Conceptual Dimension	Eastern Africa Regional Workshop on Architecture,	Arch. Kigara Kamweru

		ADD, UoN, 11-16 August, 2014	
5.	The Era of the Glass Skyscraper: Is it an Option for the Eastern Africa Climates?	Eastern Africa Regional Workshop on Architecture, ADD, UoN, 11-16 August, 2014	Arch. M. Kimeu



12. Corporate Social responsibility projects




Educational/Career Talks


The chairman of the Department of Urban and Regional Planning visited Highway and Upper Hill Secondary schools where he gave talks to students on career courses at the university in general and in the School of the Built Environment in particular.

13. Others

Current and Previous Deans

Dean	From	To
 Prof. T J C Anyamba (Architect)	2011	to date
 Prof. H. A. Gichunge (Quantity Surveyor)	2009	2011

 <p>Prof. H. W. Olima (Valuer)</p>	2004	2009
 <p>Mr. Kamau Karogi (Architect)</p>	2002	2004
 <p>Prof. P. Syagga (Valuer)</p>	1996	2002
 <p>Prof. C. Kiamba (Valuer)</p>	1992	1996
 <p>Mr. Zacharia Maleche (Planner)</p>	1990	1992

 Prof. G. K. Kingoriah (Valuer)	1988	1990
Prof. S. S. Yahya	1979	1988

Prof. T. J. C. Anyamba

Dean, School of the Built Environment

TMK/