



THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Social Sciences and Technology
School:	Business and Management Studies
Department:	Accounting and Finance
Current Designation:	Senior Lecturer, DEPARTMENT OF MATHEMATICS AND STATISTICS
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	FINANCE	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2017
Masters of Business Administration (MBA)	FINANCE	KENYA METHODIST UNIVERSITY(Kenya)	2010
Bachelor of Education (B.Ed)	SCIENCE	EGERTON UNIVERSITY(Kenya)	1995
Professional Course	CPA FINAL EXAMINATION	KENYA ACCOUNTANTS AND SECRETARIES NATIONAL EXAMINATIONS BOARD(Kenya)	2005
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	KOELEL SECONDARY SCHOOL(Kenya)	1989
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	SUBUKIA PRIMARY SCHOOL(Kenya)	1985

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Sep, 2019 - TO DATE	THE TECHNICAL UNIVERSITY OF KENYA	LECTURER
January 1, 2019 - September 30, 2019	University of Kigali	Dean, School of Finance, Accounting & Economics (Senior Lecturer)
May 1, 2013 - September 30, 2013	Mount Kenya University	Director, Institute of Capacity Building (Assistant Lecturer)
March 16, 2012 - September 30, 2012	School of Finance and Banking	Managing Director, PRISM East Africa Ltd.
March 3, 2009 - July 30, 2010	Kigali Institute of Management University	Career Advisor, (Lecturer)
July 4, 1995 - January 31, 2006	Gilgil Day Secondary	TSC Teacher
February 2, 2006 - February 28, 2009	Nyandarua Institute of Science and Technology	Lecturer
August 1, 2010 - August 31, 2011	Mount Kenya University	Campus Director

GENERAL STATEMENT ON RESEARCH AREAS

Quantitative Behavioural Economics/Finance area remains my key specialty. This is fairly wide, including application of Bayesian Statistics and Frequentist Statistics/econometric methods in linking classical economics with behavioural economics.

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
By-product Extraction of a Rationality-based Agency Conflict Index from Selected Credit Unions in Kenya: Introducing the Agency Conflict Discriminant	View online	
Analytical Proof of Bounded Rationality Theory on Unitas SACCO Members in Kenya: Bayesian Approach	View online	
Stochastization of the Exponential form Learning Curve by Ito Processing	View online	
Monetary De-measurement of Taxation Using Cogni-economic Pressure Coefficient on a Continuous Progressivity Model: Towards equitable Taxation in Kenya	View online	
Ito-Bayesian Employee Output Modelling for Corporate Financial Performance-driven motivation in Kenyan Credit Unions: Introducing the Entropy Motivation Model	View online	
Economic Rationality-based Entrepreneurial vs. Employee Orientations by Entropy, Updating and Error Rates Computing: Evidence of Kenyan Credit Unions	View online	
Stochastic Financial Forecasting on Mwalimu National SACCO: Geometric Brownian motion Approach	View online	
High Frequency Trading, it's role in the 2007/2009 financial crisis and the 2010 flash crash	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Gabriel Njogu Chege	Effect of Macroeconomic Factors on Stock Volume Trade by Listed and Allied Manufacturers in Kenya	2017-2020
Ann Wangari Wathuo (JKUAT)	An Analysis of Mutual Funds Investments and Mutual Funds Returns	2018-Date
Marie-Claire Ayinkamiye	IMPACT OF MICROFINANCE INSTITUTIONS IN THE FINANCIALEMPowerment OF WOMEN IN RWANDA A CASE STUDY OF DUTERIMBERE MICROFINANCE	2011-2014

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Continuous Time Asset Pricing (PhD)	Stochastic Calculus, Derivatives Pricing, Partial Differential Equations	2018 January - 2018 April
Behavioural Finance (PhD)	Standard Finance; Irrationality of the Investor; Closed End Puzzle; Cognitive Biases; Emotional biases; Behavioural biases and personal financial decision making.	2018 January - 2018 April
Financial Econometrics (M.Sc.)	mathematical Statistics; Regression analysis; Correlation Analysis; Simulation; Time series analysis; Markov Analysis	2014 - TO-DATE
Quantitative Methods	Statistics; Set theory; Probability; Probability Distributions; Combinatorics; Correlation and Regression analysis	2019 January - 2019 September
Accounting for Managers	Accounting Equation; Ledger accounts and double entry principle; Extraction of the income statement; Statement of financial Position; Bank Reconciliation statements; Ratio analysis.	2018 January - 2019 September
Quantitative Methods	Statistics; Probability; Probability distributions; Hypothesis testing; Estimation Theory; Regression analysis; Correlation analysis; Poisson, Binomial and Normal distributions.	September 2018 - December 2018
Probability and Statistics	Statistics; Probability; Combinatorics; Probability distributions; Simulation; Hypothesis testing; Discrete and continuous variables; Correlation and Regression	2018 September - 2019 December
Advanced Accounting Theory	Policy and practice of accounting; Accounting standards; Accounting principles; Income accounting; Asset valuation; Financial statement analysis and financial engineering	2019 September - 2019 December
Research Methods	Overview of statistics; meaning of research; measurement scales; importance of research; Research design; hypotheses formulation and testing; test statistics; Chi Square tests of independence and goodness of fit.	2020 January - TO-DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
Certified Public Accountants	ICPAK

EXTRA INFORMATION

DESCRIPTION

1. I am a reviewer with the Cogent Economics & Finance and Cogent Business Management Journals of Taylor and Francis since May 2020 (Reviewed articles attached).

2. I have presented one of my latest published articles in SOBRICS i.e. School of Business Research and Innovation Conference in August 2020 (certificate attached)

3. I have been a discussant in the Kenya Bankers Association annual conference 2018 reviewing a paper from the mathematics department of the University of Nairobi (attached)

4. I have been a proofreader with Redfame in 2018 (proofread article attached)

5. I have co-authored two financial accounting books (evidence of manuscript submission to publisher attached)

6. I was the Lead Consultant in development of Environmental and Social Aspects curriculum for the Kenya Association of Manufacturers in August 2020 (recommendation letter attached)

1. I have been setting Quantitative Analysis and Management Accounting papers for the KASNEB (engagement letter attached).

2. I have been marking Financial Accounting (Paper 1) for KASNEB (engagement letter attached).

3. I am the Quantitative Analysis Subject Matter Expert contracted to review the subject syllabus for implementation in the next five years (appointment letter attached).

4. I have presented 6 papers in international conferences (certificates attached).

5. I reviewed Strategic Financial Management paper for the Institute of Certified Public Accountants of Rwanda in June 2019 (appointment letter attached).

6. I have acted as the Academic Team Leader for the department of Accounting and Finance in December 2019 (Appointment letter attached).