
CURRICULUM VITAE

DR. WANJARA AMOS OTIENO

P.O BOX, 385-50309, KAIMOSI, KENYA.

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A specialist in Pure mathematics with eight years teaching experience at university level and 16 years teaching experience at secondary level and positive impact creation.

PERSONAL INFORMATION:

Gender: Male
Date of Birth: 19th August, 1980
Age: 41 years
Nationality: Kenyan
Religion: Christian
Marital Status: Married
Languages: English, Swahili and Luo (Well Spoken and Written)

Ph.D. RESEARCH THESIS

Thesis Title: *Rotundity of Norms in Fre'chet Spaces.*

Wanjara Amos Otieno, (2019), Jaramogi Oginga Odinga University of Science and Technology.

MEMBERSHIP IN MATHEMATICS BODY OR SOCIETY

- A member of The International Biometric Society.
 - A reviewer with the MathLAB Journal.
 - A reviewer with the International Journal of Innovative Science and Research Technology.
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CAREER OBJECTIVES:

To advance in Pure Mathematics and related discipline.
To promote a high sense of Integrity, Diligence, Honesty and Selflessness in my place of work.
To Create and/or maintain a good reputation for my work place.

Dr. Wanjara Amos Otieno, Dip. Ed. (Science) (KSTC), B.Ed. (Science) (Egerton), M.Sc. (Maseno), Ph.D. (JOOUST)

PUBLISHED RESEARCH PAPERS AND BOOKS

CATEGORY	TITLE	AUTHOR(S)	SERIAL NUMBER	ISSN NUMBER	PUBLISHER
Research Article	On Relationship between a Rotund Norm and Locally Uniformly Rotund Norm in Fre'chet space	Amos Otieno Wanjara	Volume 4, Issue 12, December 2019	2456-2165	International Journal of Innovative Science and Research Technology
Research Article	On Obtaining an ϵ -Compactification of a Topological space	Amos Otieno Wanjara	2020; 3(1):1-4	2581-5954	International Journal of Modern Computation, Information and Communication Technology (G.J. Publications)
Research Article	On the contributions of the Arzela-Ascoli theorem to Analysis	Amos Otieno Wanjara	GSJ:Volume 7, Issue 12, December 2019	2320-9186	Global Scientific Journals
Research Article	On the Significance of the Hahn-Banach theorem based on its historical background, formulation, implications, applications and contributions	Amos Otieno Wanjara	2020; 5(1):1-6	2456-0235	International Journal of Modern Computation, Information and Communication Technology (G.J. Publications)
Research Article	On the Baire's Category theorem as an important tool in General Topology and Functional Analysis	Amos Otieno Wanjara	2019; 2(12):71-74	2581-5954	International Journal of Modern Computation, Information and Communication Technology (G.J. Publications)
Research Article	On Characterization of Midpoint Locally Uniformly Rotund Norms in Fre'chet spaces	A.O. Wanjara, N.B. Okelo, O. Ongati	2019; 2(1):1-4	2581-5954	International Journal of Modern Computation, Information and Communication Technology (G.J. Publications)
Research Article	On Characterization of Very Rotund Banach Spaces	A.O. Wanjara, N.B. Okelo, O. Ongati	2018; 1(5):99-102	2581-5954	International Journal of Modern Computation, Information and Communication Technology
Research Article	On Stone-Weierstrass theorem as a vital result in the study of the algebra of continuous functions on a Compact Hausdorff space	Amos Otieno Wanjara	2021;4(5-6):25-28.	2581-5954	International Journal of Modern Computation, Information and Communication Technology
Book	Significance of the Five major Theorems in Analysis	Amos Otieno Wanjara	(Under review)		Reach Publishers

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Book	Rotundity of Norms in Fre'chet space	Amos Otieno Wanjara	(Under review)		Reach Publishers

EDUCATION BACKGROUND:

2014 -2019: Jaramogi Oginga Odinga University of Science and Technology(JOOUST): *Doctor of Philosophy in Pure Mathematics*, School of Mathematics, Statistics and Actuarial Sciences. **Thesis Title:** *Rotundity of Norms in Fre'chet Spaces*.

2011-2013: Maseno University, Private Bag, Maseno: *Master of Science in Pure Mathematics*, School of Mathematics, Statistics and Actuarial Sciences. **Thesis:** *Significance of the five major theorems in Analysis*.

2004 -2008: Egerton University, Njoro: (*Bachelor of Education Science(Mathematics/Physics)-2nd Class Upper Division*).

2003-2003: Jomo Kenyatta University of Agriculture and Technology:(*Bachelor of Science-One Semester*) Units: SMA 220-*Vector Analysis (Grade: A)*, ICS 2100-*Introduction to Computer Systems (Grade: C)*, SMA 2200- *Calculus III (Grade: C)*, ICS 2101-*Computer Organization (Grade: A)*, SMA 2230- *Probability and Statistics II (Grade: A)*, SPH 2201-*Electricity and Magnetism II (Grade: B)*

2000-2002: Kenya Science Teachers College (KSTC), Nairobi: *Diploma in Education Science(Mathematics/Physics) (Rating-First Class)*

1995-1998: Kwa secondary school, Suna Migori: - *KCSE 1998 B- (60 Points)*

1987-1994: Rabuor Taya Primary school, Suna Migori: - *KCPE (54Points)*

WORK EXPERIENCE:

January 6th 2020 to date: Full time Lecturer, Kaimosi Friends University College, Kaimosi.

September 2014 to 2019 Academic year: Part-Time Lecturer, Rongo University

January 2014 to 2019 Academic year: Part-Time Lecturer, Mount Kenya University

January 2014 to 2019 Academic year: Part-Time Lecturer, Jaramogi Oginga Odinga University of Science and Technology.

May 2015 to 2019 Academic year: Part-Time Lecturer, Kisii University.

Responsibilities as a Full Time Lecturer at Kaimosi Friends University College:

1. *Chairman- Departmental Graduate Studies Committee (DGSC)*

Terms of reference/ roles:

- i) Initiate and co-ordinate graduate programs in the department.
- ii) Collaborate, whenever necessary, with other departments in the school and in the University in running inter-disciplinary graduate programs
- iii) Review applications for graduate admissions and make recommendations through Deans of Schools to the Board of Graduate Studies (BGS)
- iv) Recommend the appointment of supervisors, internal Examiners and External Examiners to the BGS.
- v) Organize two (2) seminars for Masters and three (3) for Ph. D students in every academic year.
- vi) Recommend staggering of programs to the School Graduate Studies Committee.
- vii) Carry out any other functions assigned by the BGS.

2. *Ag. Coordinator of the Department of Mathematics and Statistics*

- Acted as the coordinator of the department of the Mathematics and Statistics from 17th November 2020 to 4th December 2020
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3. A member of the 6th KAFUSO electoral committee

Terms of reference/ roles:

- i) Liaise with the Dean of students' office to identify Student Electoral Commissioners.
- ii) Liaise with IEBC Vihiga County in preparing a work plan for the conduct of elections.
- iii) Prepare a budget for elections.
- iv) Ensure free, fair and transparent 6th KAFUSO SGC elections as per the universities (Amendment) Act No. 48 of 2016.
- v) Perform any other function of relevance to the conduct of elections.

4. A member of the part time lecturers' and instructors review committee

Terms of reference/ roles:

- i) Review academic qualifications (Secondary, Undergraduate, Masters and PhD) of all part time lecturers and instructors allocated courses in every semester.
- ii) Write a report and present to University College Academic Board (UCAB).

5. Departmental Examination Coordinator

Terms of reference/ roles:

- i) Receives all the departmental set examinations from all part time and full time lecturers in time
- ii) Coordinates both internal and external moderations of examinations
- iii) Safeguard the examinations at all levels and stages of processing
- iv) Ensures the marking and submission of results are done as per the schedules.

6. Chairperson of University Income Generating Unit Board (IGU Board) as from 14th July, 2021

Terms of reference/roles:

- i) Develop and review IGUs policies and framework geared towards developing competitive business environment within the University College
- ii) Harness and direct all income generation efforts within the University College to build a pool of resources to assist in bridging budgetary gaps
- iii) Establish creative business ideas and innovation
- iv) Act as custodian for all IGUs Assets;
- v) Establish clear framework for marketing of products and services
- vi) Make presentation from time to time to UCMB on the performance of IGUs;
- vii) Organize for skills and knowledge development in income generation among the University College community
- viii) Any other activity that will lead to the generation of revenue in accordance with IGU directorate policy

Core tasks as a full time lecturer:

- Planning and execution of lectures
- Setting, Moderation, administering of examinations
- Marking and communication of results in time
- Any other assigned duties and responsibilities.

Accomplishments as a full time lecturer:

- A researcher in Pure Mathematics
- Successfully planned and executed lectures
- Successfully coordinated setting, moderation, supervision and marking of scripts.
- Successfully communicated the results in time.
- Successfully chaired the *Departmental Graduate Studies Committee (DGSC)* meetings.
- Successfully attended and participated in all the committee meetings on *the part time lecturers' and instructors review committee*.
- Successfully attended the meetings on the preparation of the 6th KAFUSO SGC elections as per the universities (Amendment) Act No. 48 of 2016.
- Successfully participated in the examination processing in the department.

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SUPERVISION AND THESIS EXAMINATION

a) External examiner (Kisii University):

Level: Master in Pure Mathematics

Student's name: WANJALA VICTOR WAFULA, MPS12/70082/15

Thesis title: "ON UNITARY EQUIVALENCE OF METRIC OPERATORS"

b) Currently handling ongoing master coursework classes

1. DGS/SEP/G/0001/2020: VASHTI BERNICE ACHIENG'(Master in Pure Mathematics)
 2. DGS/SEA/G/0001/2020: BARASA ISAAC (Master in Applied Mathematics)
 3. DGS/SEA/G/0002/2020: MUCHIKA CELESTINE (Master in Applied Mathematics)
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OTHER TEACHING EXPERIENCE:

At high school level

- Senior Chief Musa Nyandusi Secondary (November, 2003 to December, 2019)
-Mathematics and Physics teacher under TSC.

Accomplishments.

- Successfully implemented 8-4-4 syllabus
 - Patron of Christian Union (C.U)
 - Offered career guidance to students
 - Trained table tennis school Girls team to Provincial level (2004-2006)
 - Trained three students to Provincial Science Congress in 2005.
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COMMUNITY SERVICE

- A member of the Kenya Students Christian Fellowship(KSCF).
 - Serving the community under KSCF in Gusii Region as a treasurer.
 - Reaching out to students in Universities, Colleges and High schools for spiritual guidance by preaching to them under the umbrella of KSCF.
 - Am a trained facilitator on Peer to Peer ministry under KSCF.
 - Was involved in the proofreading of the draft copy of the Peer to Peer(P2P) student manual in the process developing the final copy under KSCF.
 - A member of the conflict resolution team for students under KSCF.
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TECHNICAL TRAINING

- 14th May 2008: Attended a workshop for students' congress for science and technology and was trained on judging and identifying the right items in student congress for science and technology competitions
 - 24th May 2007: Participated in a workshop on capacity building organized by Macmillan Kenya Publisher in Partnership with the Education office
 - 17th -18th March 2004: A coaching and officiating course in football
 - 2006: Certificate of excellence for judging physics exhibits in 2006 science congress
 - SMASSE PROJECT: First of Four cycles April 2008
 - 22nd Feb-25th Feb 2011: Provincial Games coaches'/ referees clinic in table tennis
 - 11th -14th Feb.2009: Provincial officiating and coaching clinic in racquets.
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ATTRIBUTES

- Effective communications skills
 - Team player with good social interpersonal and intellectual skills
 - Flexible innovation thinker with openness to new ideas
 - Good analytic, teaching and writing skills.
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REFEREES:

1. Prof. Benard Okelo Nyaare, Dean, School of Mathematics and Acturial Sciences, Jaramogi Oginga Odinga University of Science and Technology, P.O BOX 210-40601, BONDO. Cell Phone: +254723340602 / +254737020707.
 2. Prof. Omolo Ongati, Department of Pure and Applied Mathematics, Jaramogi Oginga Odinga University of Science and Technology, P.O BOX 210-40601, BONDO. Cell Phone 0723397455.
 3. Dr. Andrea Otwande, Department of Pure and Applied Mathematics, Kirinyaga University, P.O BOX 143-10300, Kerugoya. Cell Phone: +254721531658, email: otwandeandrea@gmail.com
 4. Dr. George Ochieng Ogongo, Faculty of Biological and Physical Sciences, Tom Mboya University College, P.O. BOX 199-40300, HOMABAY. Cell Phone 0722353865
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