

Dr. Okwoyo James Mariita

University of Nairobi

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PERSONAL SUMMARY

I am a committed lecturer, with over ten years of experience at leading Kenyan academic institutions teaching students from various social and cultural backgrounds. I possess excellent administrative, verbal communication, written skills and strong analytical skills along with constructive and effective teaching methods that promote a stimulating learning environment. I have the ability to work in a managerial position or as part of a team and having the proven ability to successfully work to tight schedules and deadlines. I am currently looking for suitable opportunities in the corporate world.

CAREER HISTORY

LECTURER - University of Nairobi

November 2011 – Present

- ✚ Responsible for carrying out teaching and research duties.
- ✚ Involved in the administration of degree and postgraduate courses as well as responsible for organizing lectures and supervising seminars and tutorials.

- ✚ Involved in the research and designing of new courses and materials.
- ✚ Assessing students' course work and material.
- ✚ Involved in the set up of exams and the marking of results.
- ✚ Responsible for the departmental administrative tasks.
- ✚ Providing mentoring, advice and support to students on a personal level.
- ✚ Implementing University research projects and involved in its publication.
- ✚ Carrying out staff appraisals.
- ✚ Prepared monthly reports for senior managers.
- ✚ Actively leading class discussions and encouraging debate.

ASSISTANT LECTURER - University of Nairobi

January 2009 – November 2011

- ✚ Delivering lectures to groups of students and using advanced teaching techniques to inspire and motivate them for higher level qualifications and then employment.
- ✚ Also involved in recruiting and interviewing potential new staff.
- ✚ Responsible for organizing open evenings and giving demonstrations to students and parents on the college's commitment to high quality education and training.
- ✚ Organized, implemented and monitored programs and assessments.
- ✚ Was responsible for preparing learning material for courses and devising relevant practical activities.
- ✚ Involved in course team activities and curriculum development for students.
- ✚ Participated in the interviewing of potential students
- ✚ Experience of applying for external grants.

PREVIOUS CAREER HISTORY

2007 to 2009	Jomo-Kenyatta University	Part Time Lecturer
1997 August to July 2003	Sironga Girls High	High School teacher

PROFESSIONAL EXPERIENCE

Teaching

- ✚ Being aware of curriculum developments and industry developments.
- ✚ Ability to maintain high standards of achievement, behavior, discipline and punctuality amongst students.
- ✚ Experience of recruitment of staff including interviewing and induction.
- ✚ Knowledge of health and safety issues.
- ✚ Aware of all current Equality and Diversity legislation.

Management

- ✚ Managing students by providing guidance and feedback to help them strengthen their skills and knowledge base.
- ✚ Excellent time management skills to ensure targets are met and plans completed efficiently.
- ✚ Involved in devising future plans to remain student focused.
- ✚ Able to contribute to the intellectual life and debate of an academic organization by conducting research which will enhance its reputation as a research-led teaching institution.
- ✚ Willing to take responsibility for the quality of teaching delivered and to make necessary changes to improve quality and maintain standards.
- ✚ Able to organize conferences and establish contacts with the wider academic community.

KEY COMPETENCIES AND SKILLS

- | | | | |
|-------------|------------------|------------|---------------------|
| ✚ Mentoring | ✚ Target setting | ✚ Training | ✚ Administrative |
| ✚ IT skills | ✚ Field trips | ✚ Funding | ✚ Field trips |
| ✚ Research | ✚ Human Resource | ✚ Planning | ✚ Quality assurance |

ACADEMIC QUALIFICATIONS

2006-2012 Jomo-Kenyatta University **PhD** – (*Applied Mathematics*)
Thesis Title; “*Synchronization in a Network of Oscillators with Delayed Coupling*”

2003 – 2005 University of Nairobi **M Sc** (*Applied Mathematics*)
Title of Thesis “*Couette Flow Between two Parallel Infinite plates in the Presence of Transverse Magnetic field*”

1993 – 1997 Moi University **B.Ed** (*Mathematics and Physics*)

WORKSHOPS ATTENDED

- ✚ 22nd-25th August 2012 The second African Mathematics Program Conference- Arusha Tanzania
- ✚ 10th -15th January 2011 Conservation Biology Advanced Study Institute (ASI)
- ✚ 3rd-14th August 2009 Centre for HIV Prevention and Research
Advanced Research Methodology
- ✚ 17th-18th December 2008 Kenya School of Professional Studies
Pedagogical Skills Training
- ✚ 4th-15th July 2005 Nairobi Varsity
Algebra and Combinatorics
in Representation Theory
- ✚ 9th-20th August 2004 University of Nairobi
Commutative Algebra and Algebraic
Geometry

RESEARCH INTERESTS

- ✚ Mathematical modeling
- ✚ Dynamical systems

PUBLICATIONS

- ✚ Okwoyo, M.J., Abonyo, J.O., “*Synchronization of all-to-all Coupled Oscillators*”
Journal of Mathematical Sciences 19, 2 (2008) 239-252
- ✚ Singh, C.B., and Okwoyo, M.J., “*Couette Flow Between two Parallel Infinite plates in the Presence of Transverse Magnetic field*” Journal of the Kenya Meteorological Society., June, 2008.
- ✚ Okwoyo, M.J. and Kinyanjui M., “*Mode locking (synchronization) in a coupled two Sector model*” Journal of Mathematical Sciences 21, 4 (2010) 483-491
- ✚ Okwoyo, M.J., Kinyanjui, M. Okelo, A.J., “*Stability and Persistence of Synchronized Manifold of Diffusively Coupled Oscillators*” Far East Journal of Dynamical Systems 15 (2) 2011, 113-128.
- ✚ Okwoyo, M.J; “*An algorithm for a discretized constrained, continuous Quadratic Control Problem*” Journal of mathematical Sciences 22, 2 (2011) 83-93.
- ✚ Okwoyo, M.J., “*Modification of Parameters for weakly non-Linear Time Delay Systems*” has been accepted for Publication in the Journal of Mathematical Sciences.

REFEREES

1. Dr. Okello, Jeconia.
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