

CURRICULUM VITAE

June, 2017

PROF. MAWUADEM KOKU AMEDEKER, Ph. D. (CPhys. MInstP.)

Chartered Physicist/Science Educationist

Associate Professor of Science and Technology Education

Department of Physics Education

University of Education

P. O. Box 25

Winneba. Ghana. West Africa

E-mail: mawuden@yahoo.com

Mobile: +233 -0248-717066

1. Personal Information

Marital Status: Married with two children

Date of Birth: 1st March, 1954

Place of Birth: Mepe, Volta Region

Nationality: Ghanaian

Religion: Roman Catholic

2. Promotion

Senior Lecturer

3rd June, 1999

Associate Professor

18th September, 2008

3. Educational Institutions and Qualification

University	Subject	Title	Grade/Year
i. Edith Cowan University Perth, Western Australia	Science Educ.	Ph. D.	Pass (2008)
ii. The University of Manchester, U. K.,	Theor. Physics	M. Sc.	Pass (1995)
iii. University of Cape Coast	Physics/Maths/Educ.		2 nd (Lower) 1977

4. Thesis Written

- i. The status and quality of continuous assessment in junior secondary science in Ghana. A Ph. D. thesis submitted to Edith Cowan University, Perth. Western Australia, (December, 2007).
- ii. OZI rule violation in backward vector meson production. M.Sc. Dissertation submitted to the University of Manchester, Manchester, U. K. (April, 1995)

5. Area of Specialisation

- i. **Ph. D. level**
Assessment in science; Teacher professional development and teacher formation; Integration of modern technologies into science instruction
- ii. **Masters Degree level**
Theoretical Particle Physics; Phi – meson coupling to the nucleon; Theoretical exploration of new particle creation
- iii. **Bachelor degree level**
Teaching of Physics and Mathematics at senior high school level; Pedagogies for instruction at the senior high school level

6. Career Objectives

- i. To become a distinguished science educator and an accomplished science educationist in Ghana and elsewhere
- ii. To provide a motivating leadership that would evidence the value of hard work for all that I interact with
- iii. To provide evidence of illuminating values of education for the entire human race so as to draw all individuals to accept to follow the path of education, whether formal or informal

7. Personal Quality

- iv. Self-motivated to engage vigorously in self-development
- v. Full of initiative, vigour and personal drive to achieve
- vi. A born leader – always ready to assume quality leadership position and make progress
- vii. A team-player with high sense of intelligence to discern between acceptable and non-acceptable norms
- viii. Very analytical of all possibilities of life and actions and to readily motivate others
- ix. Good health, stamina-packed and full of achievement-oriented plans for my organisation

8. Awards Received	Awarded By	Year
i. International Postgraduate Research Scholarship for Ph. D. (Science Educ.)	Edith Cowan University (Perth- Australia)	April, 2005 - Dec. 2007
ii. Research Visit to Institute of Theoretical Physics Beijing, - China.	Third World Academy of Science (ICTP- Italy)	Jul. – Sept. 2004
iii. Research Visit to Institute of Theoretical Physics Beijing, - China.	Third World Academy of science (ICTP- Italy)	Sept. – Nov. 2002
iv. Research grant for research on children’s science literacy	AFCLIST Durban, South Africa	2002 - 2003
v. Research grant for evaluation of the Science Resource Centres in Ghana	Univ. of Education Winneba, Ghana.	2001 - 2003
vi. Research Grant for evaluation of continuous assessment	Univ. of Education and World Bank.	1997 - 1999
vii. Scholarship Award for studies in Manchester, U.K. for M. Sc. (Theor. Physics)	Ghana Government	Sept.1992 - April, 1995

9. Employment History

Institution	Position Held	Dates
University of Education	Associate Prof	2008 - Date
Kwame Nkrumah Univ. of Science and Technology, Kumasi	Sabbatical Leave	Oct. 2001 - Sept. 2002
University of Education, Winneba	Lecturer	1995 - Date
Advanced Teacher Training College	Physics Tutor	Feb. 1983 - Winneba Oct. 1992
Alamuwa Grammar School, Ado-Odo, Ogun State, Nigeria.	Physics Tutor	Oct. 1979 - Sept. 1982

St. Peter's Secondary School, Nkwatia-Kwahu, Ghana	National Service Physics Tutor	Sept.1978 - Sept. 1979
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10. Ghana Education Services Grades Ranks

Dates

Promoted to Principal Superintendent	Sept. 1991
Promoted to Senior Superintendent	Sept. 1984
Appointed Superintendent	Sept. 1978

11. Published articles in refereed journals

- i. Amedeker, M. K. (2016, December). The role of Online Public Access Catalogue in 21st Century education. *Quality Speaks*, (26), 5 - 6
- ii. Amedeker, M. K. (2016, March). Client experiences as a quality factor for improving staff development and training. *Quality Speaks*, (23), 3 - 6
- iii. Amedeker, M. K. (2015, December). Quality of assessment in the University of Education, Winneba. *Quality Speaks*, (22), 3 - 5
- iv. Amedeker, M. K. (2014). The contributions of continuous assessment to the improvement of students' learning of school science: A case of Ghana. In A. Asabere-Ameyaw, J. Anamuah-Mensah, G. S. Dei, & K. Raheem (Eds.), *Indigenist African Development and Related Issues: Towards a transdisciplinary perspective* (pp. 91 – 100). Rotterdam: Sense Publishers
- v. Amedeker, M. K. (2014). Stuck in the neutral: Why technology hasn't made major inroads into education in Ghana. In D. McConatha, C. Penny, J. Schugar, & D. Bolton (Eds.). *Mobile Pedagogy and Perspectives on Teaching and Learning* (pp. 238 – 249). Hershey, PA: IGI Global
- vi. **Amedeker, M. K., & Tachie-Young, T.** (2012). Environmental hazard communication: Revisiting the indigenous methods to meet the challenges in Ghana. In A. Asabere-Ameyaw, G. J. S. Dei, & K. Raheem (Eds.), *Contemporary Issues in African Sciences and Science Education* (pp. 209 – 215). Rotterdam: Sense Publishers
- vii. **Hanson, R., Amedeker, M. K., Oppong, E., & Antwi, V.** (2011). Using microchemistry activities to improve pre-service teachers' conceptions of some chemistry topics. *International Journal of Educational Administration*, 3 (1), 19 – 40
- viii. **Amedeker, M. K.** (2010). Teacher professional development: Perspectives from Ghanaian junior secondary school science teachers. *Keffi Journal of Educational Studies*, 2 (1), 203 - 215
- ix. **Amedeker, M. K & Antwi, V.** (2007). Assessment practices used by physics teachers in senior secondary schools: Are our students informed? *International Journal of Education Studies*, 3 (1), 126 - 134
- x. **Nandi, K. K., N. G. Migranov, Evans, J. C. and Amedeker, M. K.** (2006). Planetary and light motions from Newtonian theory: An amusing exercise. *Eur. J. Phys.*, 27 (2), 429 – 435

- xi. **Amedeker, M.K.** (2005). Reforming Ghanaian teacher education towards preparing an effective pre-service teacher. *Journal of Education and Teaching*, 31 (2), 99 – 110
- xii. **Amedeker, M. K., & Abdul-Rahman, L.** (2005). The nature of formal reasoning among Ghanaian basic school pupils in general logic tasks. *African Journal of Educational Studies in Mathematics and Sciences*, 3, 9 - 19
- xiii. **Amedeker, M. K., Li, Q.F.** (2005). On the coupling of Φ Meson to Nucleons and Backward Φ Production. *Commun.Theor.Phys. (Beijing China)*, 43 (3), 493 – 496.
- xiv. **Amedeker, M. K.** (2004). The Dual mode of light. *Everyday Science for Schools*, 3(1), 15 – 17
- xv. **Amedeker, M. K., Li, Q. F. and Zou, B. S.** (2003). Vector meson couplings to nucleons and backward ρ and ω production. *Commun.Theor.Phys. (Beijing China)*, 39 (6), 667 – 670.
- xvi. **Amedeker, M. K. and Tamakloe, W. L.** (2003). Teaching and Assessing Affective skills in Science in Ghanaian Basic Schools. *Journal of the Ghana Science Association*, 5 (1), 163 – 173.
- xvii. **Amedeker, M. K.** (2002). Science teacher trainees in a school attachment programme. *Journal of Education and Teaching (U.K)*, 28 (1), 61-71.
- xviii. **Aboagye, J. K., Atta-Boison, G. K. and Amedeker, M. K.** (2001). Is continuous assessment the panacea for pupil appraisal in junior secondary schools? *EDUCALERT – A periodic release of University College of Education of Winneba*, 2(1), 1 – 3
- xix. **Amedeker, M. K.** (2000). Alternative assessment as an ingredient of continuous assessment in junior secondary schools. *Journal of the Ghana Science Association*, 2 (1), 1-11.
- xx. **Amedeker, M. K.** (2000). Quarks: The fundamental particles. *Everyday Science for Schools*, 2 (1), 14 – 17.
- xxi. **Benjamin, M. A. and Amedeker, M. K.** (2000). The effect of the absence of selected mineral elements on the growth of maize seedling. *NATT RESEARCH SERIES –A journal publication of the Nigerian Association of Teachers of Technology*, 4 (1 & 2), 1 – 7.
- xxii. **Amedeker, M. K. and Benjamin, M. A.** (1999). Ethnoscience: Africa's contribution to World Science. *Mate Masie – Journal of the University College of Education, Winneba*, 1, 143 – 155.
- xxiii. **Amedeker, M. K.** (1999). The changing attitudes towards girls' education in science in Ghana. *Ghana Journal of Education and Teaching (GHAJET)*, 1 (1), 141 – 151.
- xxiv. **Amedeker, M. K.** (2000). Popularising physics in our schools. *THE WEB (Winneba Educational Bulletin)*, 1 (8), 16 – 18.
- xxv. **Amedeker, M. K.** (1999). Teaching and learning science in a superstitious society. *THE WEB (Winneba Educational Bulletin)*, 1 (6), 23 – 28.
- xxvi. **Amedeker, M. K.** (1999). Ozone layer depletion: A problem for an entire planet. *THE WEB (Winneba Educational Bulletin)*, 1 (5), 12 – 14.
- xxvii. **Amedeker, M. K.** (1999). Lasers: A great leap in scientific and technological development. *THE WEB (Winneba Educational Bulletin)*, 1 (4), 21 – 24.

- xxviii. **Amedeker, M. K.** (1998). The place of native language in science teaching and learning in the junior secondary schools in Ghana. *Journal of the Ghana Science Association, 1* (1), 7 – 11.
- xxix. **Amedeker, M. K.** (1998). The search for fundamental particles. *Everyday Science for Schools, 1* (2), 21 – 24.
- xxx. **Benjamin, M. A. & Amedeker, M. K.** (1997). Teaching a model lesson to the child with hearing impairment in a regular junior secondary school classroom. *Ghanaian Journal of Special Education, 1* (2), 34 – 38.

12. Publications in Book of Readings

- i. **Amedeker, M. K.** (2012). Evaluating the implementation of online science course delivery: Experiences of first-time Moodle users at the University of Education, Winneba, Ghana. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 3971 – 3978). Chesapeake, VA: AACE
- ii. **Amedeker, M. K., Antwi, V., & Hanson, R.** (2011). Teaching with technology: Aiding science teacher-trainees' conceptual understanding through collaborative teaching and use of computer datalogger. In M. Kohler & P. Mistra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 3610 – 3617). Chesapeake, VA: AACE
- iii. **Amedeker, M. K., & Yidana, I.** (2010). Science teacher-trainees' perceptions about their Information and Communication Technology skills in the University of Education, Winneba, Ghana. In *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2010* (pp. 3235 – 3247). Chesapeake, VA: AACE
- iv. **Amedeker, M. K.** (1999). Coping with the problem of low vision in a regular science class: A case study at the University College of Education, Winneba. In A. Onivehu (Ed.). *Pre-plan for Special Education service in Ghana in the 21ST Century*, (pp. 111 – 114). Winneba: Dept. of Special Education, UCEW.

13. Published Books

- i. **Amedeker, M. K.** (2016). *The status and quality of continuous assessment in JHS in Ghana*. Saarbrücken: Scholars Press. ISBN: 978-3-659-84421-8
- ii. **Amedeker, M. K., Anderson, I. K., Taale, K. D., & Boateng-Ennimful, E.** (2011). *Physics 2: University physics made simple*. Winneba: Institute for Educational Development and Extension
- iii. **Amedeker, M. K., Anderson, I. K., Taale, K. D., & Antwi, V.** (2011). *Physics 1: University physics made simple*. Winneba: Institute for Educational Development and Extension

- iv. **Amedeker, M. K., & K. D. Taale** (2011). *Research Methods in Science Education*. Winneba: Institute for Educational Development and Extension
- v. **Amedeker, M. K. et al.** (2002). *Manual for teaching Psychosocial Life Skills*. Accra: Ministry of Education (CRDD)
- vi. **Amedeker, M. K.,** Asabere-Ameyaw, A., Pratt, D., Darbah, F. V., & Taale, KD. (1998). *Measurement and Analysis*. Winneba: Institute for Educational Development and Extension

14. Research in Progress

- i. Use of Multiple Representations as teaching pedagogy
- ii. A search for science teachers' assessment pedagogical content knowledge
- iii. Use of ICT to enhance teaching of science

15. Appointment as Examiner for Post-Graduate Thesis Examination

- i. University of Education, Winneba as Internal Examiner for M. Ed. (Science Education), M. Phil. (Science Education), Ph. D. (Science Education) Examinations – 2008 – to date
- ii. University of Cape Coast, Cape Coast as External Examiner for M. Phil. (Science Education) Examinations and Ph. D. (Science Education) - 2009/2010 – to date

16. Theses Supervised - Postgraduate

- i. Name: Eugene Amoah Appiah
Title: INVESTIGATING THE PEDAGOGICAL CONTENT KNOWLEDGE OF AN INTEGRATED SCIENCE TEACHER: A CASES TUDY
Level: M. Ed. (Science)
Period: August 2016 – May, 2017 (Completed)
- ii. Name: Frederick Ameyaw
Title: THE USE OF INFORMATION AND COMMUNICATION TECHNOLOGY TOOLS TO TEACH CHEMISTRY: A STUDY OF A SCIENCE CLASS
Level: M. Phil. (Science Education)
Period: 2016 September - Ongoing
- iii. Name: Peter Amoako
Title: THE IMPACT OF CONCEPT MAPPING IN REDUCING COGNITIVE LOAD OF STUDENTS
Level: M. Ed
Period: August 2016 – January, 2017(Completed)
- iv. Naober, 2016me: APPIAH-TWUMASI, Eric
Title: COMPARATIVE EFFECT OF COOPERATIVE LEARNING AND COOPERATIVE LEARNING WITH INSTRUCTIONAL MANUAL ON STUDENTS' PERFORMANCE IN MECHANICS CONCEPTS

- Level: M. Phil.
 Period: 2016 – Oct, 2016 (Completed)
- v. Name: Mensah, Sampson Akrosumah
 Title: STUDENTS' MENTAL MODELS OF CHEMICAL REACTIONS AND BALANCING OF CHEMICAL EQUATIONS: A CASE STUDY OF A GHANAIAN SENIOR HIGH SCHOOL
 Level: M. Phil.
 Period: 2015/2016 – February, 2017 (Completed)
- vi. Name: Mensah, Luke Edoh
 Title: THE ROLE OF PRACTICAL WORK IN TEACHING PHYSICS AT THE SENIOR HIGH SCHOOL LEVEL: A CASE STUDY IN THE CENTRAL REGION OF GHANA
 Level: M. Ed.
 Period: August, 2016 – January, 2017 (Completed)
- vii. Name: Charles Amegbedzi
 Title: USING GRAPHIC ORGANISERS TO AID STUDENTS' UNDERSTANDING IN INTEGRATED SCIENCE: A CASE STUDY AT DZODZE PENYI SENIOR HIGH SCHOOL
 Level: M. Ed.
 Period: 2015 – December, 2015 (Completed)
- viii. Name: Mathias Godson Sapey
 Title: FORMATIVE ASSESSMENT AS TOOL FOR IMPROVING STUDENTS' SCIENCE SKILLS ACQUISITION: A STUDY OF BIOLOGY STUDENTS' IN AGOTIME SENIOR HIGH SCHOOL
 Level: M. Ed.
 Period: 2015 – (Abandoned with excuse of no funding)
- ix. Name: Abel Balagumytime
 Title: USE OF SCIENCE PROCESS SKILLS TO FACILITATE STUDENTS' LEARNING OF PHYSICS: A CASE STUDY IN THE UPPER EAST REGION OF GHANA
 Level: M. Ed.
 Period: 2015 – Jan. 2016 (Completed)
- x. Name: Peter Kwesi Krah
 Title: GUIDED DISCOVERY AND SELF-LEARNING STRATEGIES: BIOLOGY INTERVENTION LESSONS IN A GHANAIAN SENIOR HIGH SCHOOL
 Level: M. Phil.
 Period: 2014/2015 – October, 2015 (Completed)
- xi. Name: Christopher Dzorkpata
 Title: THE ROLE OF CUES IN IMPROVING STUDENTS' LEARNING OF PHYSICS: A CASE STUDY OF FORM ONE STUDENTS OF ST PETER'S SENIOR HIGH SCHOOL
 Level: M. Ed. (Pedagogy)
 Period: 2014 – March, 2015 (Completed)
- xii. Name: Eric Sunfra

- Title: THE EFFECT OF CLASS-WIDE PEER TUTORING IN IMPROVING STUDENTS' SCIENCE CONCEPT DEVELOPMENT: A CASE OF SENIOR HIGH SCHOOL
 Level: M. Ed. (Science)
 Period: 2014 – March 2015 (Completed)
- xiii. Name Ma-Moun Awal
 Title: ASSESSING THE UNDERSTANDING OF STUDENTS IN ELCTRONICS AT THE SENIOR HIGH SCHOOL LEVEL: A CASE STUDY OF A SENIOR HIGH SCHOOL IN AGONA NYAKROM
 Level: M. Ed. (Pedagogy)
 Period: 2012 – 2015 (Completed)
- xiv. Name: John Klabi
 Title: THE EFFECT OF LEARNING CYCLE TEACHING APPROACHES ON STUDENTS' CONCEPT DEVELOPMENT OF SELECTED TOPICS IN CHEMISTRY
 Level: M. Ed. (Science)
 Period: September, 2012 – In Progress (Delaying)
- xv. Name: Eric John Amegadzie
 Title: CONCEPTUAL CHANGE APPROACH TO TEACHING SOME CONCEPTS IN JUNIOR HIGH SCHOOL INTEGRATED SCIENCE
 Level: M. Ed. (Science)
 Period: September 2012 – In progress
- xvi. Name: Alphonso Saah Taylor
 Title: THE IMPACT OF STUDENT TEAM ACHIEVEMENT DIVISION (STAD) TECHNIQUES ON STUDENTS' LEARNING OUTCOMES IN SOME SELECTED TOPICS IN CHEMISTRY: A STUDY AT DATUS INTERNATIONAL SENIOR HIGH SCHOOL
 Level: M. Phil.
 Period: 2013/2014 – October, 2014 (Completed)
- xvii. Name: Rachel Koranteng
 Title: LEARNING WITH MULTIPLE REPRESENTATIONS: EFFECT ON THE PERFORMANCE OF STUDENTS IN THE STUDY OF SOME TOPICS IN PHYSICS
 Level: Master of Philosophy (Science Education)
 Period: 2011/2012 – 2012 (Completed)
- xviii. Name: John Sam
 Title: ASSESSING THE PERFORMANCE OF STUDENTS IN THE EFUTU MUNICIPALITY IN SCIENCE AT THE BECE FOR THE PAST FIVE YEARS
 Level: M. Ed. (Science)
 Period: 2010 – June, 2012 (Completed)
- xix. Name: Frank Osei Karikari
 Title: THE CURRENT CONDITION OF SCIENCE TEACHING AND LEARNING AT THE SENIOR HIGH SCHOOL LEVEL: A CASE STUDY OF SELECTED SCHOOLS IN ASANTE AKIM SOUTH DISTRICT
 Level: M. Ed. (Science)
 Period: 2010 – (Abandoned Programme)

- xx. Name of Student: Nathan Ohene Gyan
 Title: PRE-SERVICE BASIC TEACHERS' SCIENCE KNOWLEDGE LEVEL, ATTITUDE TOWARDS AND EFFICACY BELIEFS OF SCIENCE TEACHING
 Level: Master of Philosophy (Science Education)
 Period: 2010/2011 – 2012 (Completed)
- xxi. Name of student: Charles Badu
 Title: ENHANCING THE PERFORMANCE OF SENIOR HIGH SCHOOL STUDENTS IN ASPECTS OF GENETICS USING SELF-LEARNING AND COOPERATIVE INSTRUCTIONAL STRATEGIES LEVEL; Master of Philosophy (Science Education)
 Period: 2009/2010 – 2011 (Completed)
- xxii. Name of student: Rosemary Azonu
 Title: USING CONTINUOUS ASSESSMENT TO ENHANCE THE TEACHING AND LEARNING OF SCIENCE AT THE JUNIOR HIGH SCHOOL LEVEL
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – September, 2009 (Completed)
- xxiii. Name of student: Nelson Odum
 Title: THE STATUS AND QUALITY OF CONTINUOUS ASSESSMENT IN JUNIOR HIGH SCHOOL SCIENCE
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – October 2009 (Completed)
- xxiv. Name of student: Aमेvor Asiwome, K.
 Title: SCHOOL-BASED ASSESSMENT IN COLLEGES OF EDUCATION IN GHANA: IMPLICATIONS FOR STUDENTS' PERFORMANCE IN SCIENCE
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – October, 2009 (Completed)
- xxv. Name of student: Emmanuel Owusu
 Title: FACTORS AFFECTING TEACHERS' PARTICIPATION IN PROFESSIONAL LEARNING ACTIVITIES
 Level: M. Ed. (Science)
 Period: 2008 – June, 2011 (Completed)
- xxvi. Name of student: Mark Kwesi Eshun
 Title: AN INVESTIGATION OF THE DIFFICULTIES EXPERIENCED BY STUDENTS IN SENIOR HIGH SCHOOL CHEMISTRY PRACTICAL
 Level: M. Ed. (Science)
 Period: 2008 – October, 2009 (Completed)
- xxvii. Name of student: Geoffrey Yao Klutse
 Title: A NOVEL APPROACH TO TEACHING AND LEARNING OF INTEGRATED SCIENCE IN JUNIOR HIGH SCHOOLS
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – October, 2010 (Completed)
- xxviii. Name of student: Louise Tsotso Kondoh
 Title: STUDENTS' RESPONSE TO CONCEPTUAL QUESTIONS: A STUDY OF SOME CONCEPTS IN CHEMISTRY

- Level; Master of Philosophy (Science Education)
 Period: 2008/2009 – October, 2010 (Completed)
- xxix. Name of student: Godwin, Tordzro
 Title: A COMPARATIVE STUDY OF BIOLOGY PRACTICAL LESSONS IN SOME SELECTED WELL-ENDOWED AND LESS-ENDOWED SENIOR HIGH SCHOOLS IN GHANA
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – October, 2010 (Completed)
- xxx. Name of Student: Vivian Uchechukwu Ajukwu
 Title: GHANAIAN SENIOR HIGH SCHOOL INTEGRATED SCIENCE STUDENTS' PERCEPTION OF ENERGY
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – October, 2011 (Completed)
- xxxii. Name of student: Charles Essiam
 Title: EFFECTS OF REGULAR CLASSROOM TESTS ON LEARNING AND UNDERSTANDING OF CONCEPTS IN CHEMISTRY
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – October, 2010 (Completed)
- xxxiii. Name of student: Frederick Sekyere Akosah
 Title: THE USE OF PROBLEM-BASED LEARNING APPROACH IN BALANCING REDOX EQUATIONS IN SENIOR HIGH SCHOOLS
 Level: Master of Philosophy (Science Education)
 Period: 2008/2009 – November, 2010 (Completed)

17. Ph. D. Thesis Supervision

- i. Name: Jonathan Ayelsoma Samari
 Title: MEDIATING TEACHERS' PRACTICE OF SENIOR HIGH SCHOOL SCIENCE CURRICULUM THROUGH PROFESSIONAL DEVELOPMENT WORKSHOPS IN THE UPPER EAST REGION
 Awarding Institution: University of Education, Winneba, GHANA
 Level: Ph. D. (Science Education)
 Period: December, 2015 – In progress (Delaying)
- ii. Name: Anthony Adjetey Adjei
 Title: SELF-EFFICACY OF SENIOR HIGH SCHOOL STUDENTS TOWARDS SCIENCE AS A FACTOR OF THEIR PERFORMANCE IN INTEGRATED SCIENCE
 Awarding Institution: University of Education, Winneba, GHANA
 Level: Ph. D. (Science Education)
 Period: September, 2012 – 2017 (Abandoned – whereabouts unknown)
- iii. Name: Ruby Hanson
 Title: USE OF MICRO-CHEMISTRY EQUIPMENT TO ENHANCE STUDENTS' UNDERSTANDING OF CONCEPTS IN CHEMISTRY
 Awarding Institution: University of Education, Winneba, GHANA
 Level: Ph. D. (Science Education)
 Period: September, 2010 – Dec., 2014 (Completed)

- iv. Name of Student: Peter Attafuah
Title: USING FAST FEEDBACK METHODS TO HELP STUDENTS' CONCEPTUAL UNDERSTANDING OF SOME SELECTED TOPICS IN CHEMISTRY AT THE SENIOR HIGH SCHOOL LEVEL
Awarding Institution: University of Education, Winneba, GHANA
Level: Ph. D. (Science Education)
Period: September, 2010 – April 2015 (Completed)

18. Theses/Dissertation Examined

- i. Name: Godwin Kwame Aboagye
Title: EFFECTS OF COMBINING INQUIRY-BASED REAL HANDS-ON AND COMPUTER SIMULATION METHODS WITH COOPERATIVE LEARNING ON STUDENTS' LEARNING OUTCOMES IN ELECTRIC CIRCUITS
Level: Ph. D. (Science Education)
Awarding Institution: University of Cape Coast, Cape Coast, GHANA
Year of Examination: March 2016
- ii. Name: Henry Benyah
Title: EFFECTS OF LEARNING CYCLE APPROACH ON STUDENTS' UNDERSTANDING OF SELECTED CONCEPTS IN GEOMETRICAL OPTICS
Level: Ph. D. (Science Education)
Awarding Institution: University of Cape Coast, Cape Coast, GHANA
Year of Examination: March 2016
- iii. Name of Student: J. Y. Appiah
Title: EVALUATION OF THE UNIVERSITY OF CAPE COAST REMEDIAL SCIENCE PROGRAMME
Level: Ph. D. (Science Education)
Awarding Institution: University of Cape Coast, Cape Coast, GHANA
Year of Examination: May 2013
- iv. Awarding Institution: University of Cape Coast, Cape Coast, GHANA
Level: M. Phil. (Science Education)
Total number: 14
Year of Examination: 2009 - 2012
- v. Awarding Institution: University of Education, Winneba
Level: M. Phil. (Science Education)
Total number: 11
Year of Examination: 2009 - 2012
- vi. Awarding Institution: University of Education, Winneba
Level: M. Ed. (Science Education)
Total number: 10

Year of Examination: 2008 - 2016

19. Papers presented at Seminars/Conferences/Workshops

- i. Academic Excellence in Higher Education: Your stake. Presented at Workshop for newly employed academic staff of University of Education on January 25, 2017 at the Registrar's Conference Room, North Campus
- ii. Quality Assurance: Role of Staff of Radio Windy Bay. Presented at Conference Room of Radio Windy Bay on January 10, 2017
- iii. Quality Assurance: The role of UEW students. Presented at orientation Workshop for fresh students for the 2016/2017 Academic year at the Anamuah-Mensah Conference Centre on August 26, 2016 for Winneba students and August 31, 2016 for Ajumako students
- iv. The role of UEW Security Services in ensuring academic excellence for the University of Education, Winneba. Presented at Workshop for UEW Security Staff, June 01, 2016 at Pecku Conference Room, North Campus.
- v. Quality Assurance in Human Resource mobilisation for UEW. Presented at Workshop for staff of the Division of Human Resource, UEW, Winneba, May 16, 2016 at HR Division
- vi. Quality Assurance: Minimum requirements for admission into tertiary institutions in Ghana. Presented at Workshop for Heads of Department, Deans and Directors of University of Education, Winneba, Sept. 27 – 28, 2015 at SMAYAK Hotel, Apam
- vii. Quality Assurance for academic excellence in UEW. Presented at Workshop for staff, Communication and media Studies Department, UEW, September 01, 2015
- viii. Quality Assurance in the operations of the University Health Services. Presented at Workshop for UEW University Clinic, July 23, 2015
- ix. Quality Assurance for Academic Excellence. Presented at Workshop for Ghanaian Languages Campus, Ajumako, July 08, 2015
- x. Quality Assurance in the operations of the University Library. Presented at Workshop for Library Staff of the University of Education, Winneba, June 04, 2015
- xi. Quality Assurance Workshop for the Faculty of Science Education staff of the University of Education, Winneba, Presented at Science Education Faculty Seminar, April 15, 2015
- xii. Quality assurance Workshop for the Department of Business Education staff of the University of Education, Winneba, April 10, 2015
- xiii. Creating a culture of ownership of my workplace. Quality Assurance Workshop delivered at the University of Education, Winneba, January 30, 2015 to February 11, 2015 for Academic Staff
- xiv. Quality Assurance of the operations of the University of Education, Winneba, delivered at the training session of Deans, Heads of Department and Sections at SMAYAK Hotel, Apam, September 17, 2014

- xv. Ensuring quality in Distance Education delivery, for IEDE staff their Annual Review Retreat, August 29, 2014 at Wadoma Royale Hotel, Kumasi
- xvi. Establishing vibrant Quality Assurance Units in the University of Education, Winneba, January 23, 2014 at Mampong and Kumasi campuses of UEW; February 05, 2014 at Ajumako campus of UEW
- xvii. The Blackboard is indispensable in teaching and learning of physics: What is your bet? Faculty of Science Education Seminar, UEW, October 30, 2013
- xviii. ICT integration into teaching: Whither is Ghana drifting? Faculty of Science Education Seminar, UEW, February 13, 2013
- xix. Evaluating the implementation of online science course delivery: Experiences of first-time Moodle users at the University of Education, Winneba – 23rd Society for Information Technology & Teacher Education Conference – Austin, Texas, USA, March 05 – 09, 2012
- xx. Evaluating the implementation of online science course delivery: Experiences of first time Moodle users at UEW. Faculty Seminar, UEW, February 08, 2012
- xxi. Teaching with technology: Aiding science teacher trainees’ conceptual understanding through collaborative teaching and use of computer datalogger – 22nd Society for Information Technology & Teacher Education Conference – Nashville, Tennessee, USA, March 07 – 11, 2011
- xxii. Teaching with computers in under-resourced environment. Faculty Seminar, UEW, February 09, 2011
- xxiii. Science teacher trainees’ perceptions about Information and Communication Technology skills in the University of Education, Winneba, Ghana – ED-MEDIA 20101 World Conference on Educational Multimedia, Hypermedia & Telecommunications, Toronto, Canada, June 28 – July 02, 2010
- xxiv. Are UEW science teacher trainees prepared to meet the exigencies of the changes in the policies of course registration, checking examination results and assessments submissions? Faculty Seminar, UEW, Feb. 17, 2010
- xxv. Can continuous assessment help to improve students’ academic performance in junior high school integrated science? Held at Honolulu, 7th Hawaii Conference on Education, January 04 – 07, 2009
- xxvi. Basic electronics for Integrated Science Panel – presented at 50th National Workshop/Conference of Ghana Association of Science Teachers at Ho, September 01 - 06, 2008
- xxvii. Confronting the new challenges of education reform in Ghana: Using continuous assessment to improve students’ learning of junior high school science, The 26th Annual Conference of the Association for Educational Assessment in Africa (AEAA) at La Palm Royal Beach Hotel, Accra – August 17 – 22, 2008
- xxviii. Teacher professional development: Perspectives from Ghanaian junior secondary science teachers implementing continuous assessment - International Conference on Education, Economy and Society, Paris, France – July 16 – 19, 2008
- xxix. Poster presentation: The status and quality of continuous assessment in junior secondary science in Ghana – Conference of the Western Australian Science Educators Association, Edith Cowan University, Perth, - November 30, 2006.

- xxx. Prospects for implementing assessment for learning in Ghanaian junior secondary science – Faculty of Science Education Seminar, University of Education, Winneba. Ghana. - 24th February, 2006
- xxx.i. Backward photoproduction of ϕ mesons in Kp interactions – Institute of Theoretical Physics Seminar, Beijing - September, 2004
- xxx.ii. On the coupling of ϕ meson to nucleons and backward ϕ production – Mentouri University, Constantine, Algeria 3 – 08 April, 2004
- xxx.iii. The Ghanaian primary School Pupils’ Concept of Energy. West African Examinations Council Monthly Seminars, Accra. - 30th May, 2003.
- xxx.iiii. Deriving the differential cross-section formula using simple tree diagram, Institute of Theoretical Physics, Beijing, China. - Oct. 2002.
- xxx.v. Teaching and assessing affective skills in science in Ghanaian Basic Schools. West African Examinations Council Monthly Seminars, Accra - 23rd February, 2001.
- xxx.vi. The Use of Computer-Aided Strategies for teaching physics in the Pre-tertiary institutions- presented at the 44th Annual National Conference of the Ghana Association of Science Teachers at Tamale - September, 2000.
- xxx.vii. Towards a theoretical framework for improving assessment in science in the junior secondary schools in Ghana. West African Examinations Council Monthly Seminars, Accra - 1st October, 1999.
- xxx.viii. Promoting Quality Science Teaching and Learning through alternative assessment: The case of the continuous assessment in junior secondary schools – presented at the 21st Biennial Conference of the Ghana Science Association – University of Ghana, Legon 8th – 13th August, 1999.
- xxx.ix. Coping with the problem of low vision in a regular science class: A case study at University College of Education, Winneba – presented at 1st National Conference on Special Education at Winneba – August 1998.
- xl. The Place of Native Language in science teaching and learning in the Junior Secondary Schools in Ghana – presented at the 20th Biennial Conference of the Ghana Science Association at the Kwame Nkrumah University of Science and Technology, Kumasi - August, 1997.
- xli. The role of physics in a developing industrial world presented at the 36th Annual National Conference of the Ghana Association of Science Teachers conference at Ho - September, 1992.

20. Citation

- i. In honour of meritorious service and benevolence to the St. Martin de Porres Roman Catholic Church at Mepe, Volta Region, Ghana.
- ii. On the occasion of retirement from the services of the University of Education, Winneba, after 22 years of dedicated service, September 26, 2014
- iii. In Honour of sterling leadership as Board Chairman for St. Kizito Senior High Technical School, Mepe, from November 2010 – November, 2013

- iv. In Honour of the sterling leadership quality as a Dean of the Faculty of Science Education, University of Education, 2010 – 2011, Academic Year. Given by Faculty of Science Education Students’ Association on April 30, 2011
- v. In Honour of active participation in the Conferences of Special Education, contributions towards publications in the Journal of Special Education and introducing science teaching to people with disabilities From Association of Special Education Students, University College of Education, - Winneba (1999).

21. Membership of Professional Associations

- i. Institute of Physics with Chartered Physics status (U.K) - since 1997 to date
- ii. Ghana Science Association (GSA)- since 1996 to date
- iii. Ghana Association of Science Teachers (GAST) - since 1983 to date

22. Training Workshops Attended

- i. Nations Education Sector Annual Review. Organised by the Ministry of Education at Alisa Hotel, July 22 – 23, 2015
- ii. African Virtual University Teacher Education Curriculum Mapping and Review Workshop, Nairobi, Kenya from 20 – 25, November, 2013
- iii. Training Workshop for enhancing skills towards Internal Quality Assurance for Tertiary Institutions in Ghana organised by NAB and Agencies in Higher Education (INQAAHE), Accra, Ghana, Certificate awarded 23 – 24, October, 2013
- iv. Senior Academic Leadership Training (SALT II) Workshop by NCTE & Carnegie Corporation of New York at GIMPA, Accra, from 02 – 06 July, 2012
- v. African Virtual University Teacher Education Curriculum Mapping and Review Workshop, Nairobi, Kenya, May 20 - 25, 2013
- vi. National Accreditation Board Stakeholders’ Workshop by NAB in Accra, March 14, 2012
- vii. International Workshop on Science Education by INEES at Flensburg, Germany, February 11 – 18, 2012
- viii. Courseware Development Workshop, UEW, Winneba, January 25- 27, 2012
- ix. Mentoring Workshop by Gender Mainstreaming Directorate, UEW, Winneba March 23, 2011
- x. International Workshop on Science Education by INEES at Dhaka, Bangladesh, February 14 – 18, 2011
- xi. International Workshop on Science Education by INEES at Ocho Rios, Jamaica, October 02 – 09, 2010
- xii. Workshop for UEW Deans, Directors, Heads of Department on Administration Management in Higher Education, Elmina Beach Resort, Elmina, Oct., 19 -20, 2010
- xiii. Fifth Council for Advancement and Support of Education (CASE) in Africa Workshop/Conference, Accra, Ghana, October 06 – 08, 2009

- xiv. Workshop for UEW Deans and Directors on Financial Management in Higher Education, Elmina Beach Resort, Elmina, Sept., 24 – 26, 2009
- xv. Workshop for Course Manual Writing at Manna Heights, Mankessim, September 02 - 04, 2009
- xvi. Workshop for Project Management Training II at Elmina Beach Resort, Elmina, August, 11- 13, 2009
- xvii. Workshop for drafting Strategic Development Plan for SACOST Centre at Manna Heights, Mankessim, June 22 – 24, 2009
- xviii. Training Workshop for ICT Courseware Developers and Managers at Manna Heights, Mankessim, June 03 – 06, 2009
- xix. Workshop on Special M. Ed. curriculum development for Colleges of Education at Manna Heights Mankessim, February 25 – 28, 2009
- xx. Workshop on Project management Training organised by PRACTICAL Project, January 12, - 16, 2009 at Cape Coast
- xxi. Workshop for editing Distance Learning materials – From October 19 – 23, 2008 at Koforidua, Ghana
- xxii. Workshop on science and mathematics education in the specialised colleges of education October 12 – 16, 2008 at Royal Atlantic Resort, Aplaku
- xxiii. NPT Programme 155 PRACTICAL- strengthening Mathematics and Science Teacher Training Workshop – June 28 – July 12, 2008, Organised by Vrije University of Amsterdam, at Utrecht, The Netherlands.
- xxiv. Practical Project Workshop on development of course manual– June 09 - 11, 2008 at the University of Cape Coast, Ghana.
- xxv. International Foundation for Science Grant Proposal Writing Seminar – April 04, - April 11, 2008 at University of Education, Winneba
- xxvi. Second Content Development Initiative Workshop for Website development – March 03 – 05, 2008 at University of Education, Winneba
- xxvii. Workshop/Conference on Meson and Nucleon Physics, Institute of High Energy Physics - Beijing, China, 31st July to 4th August, 2004
- xxviii. Conference on Harnessing Science Research and Technology for National Development –Accra International Conference Centre 15-19 March, 2004
- xxix. African Summer Theory Institute – Cape Town, South Africa (Summer School), Jan. 9 – 31, 2004
- xxx. Training workshop for Designing Modules for training JSS teachers in teaching Life Skills in science- sponsored by Ghana Education Service, Akropong-Akwapim, Ghana - Oct/Nov. 1999
- xxxi. Regional College on Optics education for Tertiary Level Teachers and Researchers at University of Cape Coast, Cape Coast, Ghana sponsored by Abdus Salaam Institute of Theoretical Physics, Trieste, April, 1999
- xxxii. Workshop for Instructional Design and Editing of Distance Education materials- sponsored by Simon Fraser University, U.S.A., at Winneba, Nov. 1998
- xxxiii. STAG Project Development Workshop sponsored by AFCLIST, Winneba Oct. 1998
- xxxiv. Seminar/Workshop for Universities Research Funded Researchers at - STEPRI, Accra, Feb. 1998
- xxxv. Training Workshop for Hall Counsellors, Winneba, Nov. 1997

- xxxvi. New Year School – Organised by Institute of Adult Education (Legon) - Jan. 1997
- xxxvii. Workshop for Distance Education Materials Writing, Winneba July, 1995
- xxxviii. Test Item Writers Workshop- West African Examinations Council sponsored, Winneba August, 1991
- xxxix. Second West African Physics Teachers workshop at Ibadan, Nigeria- Ghana Association of Science Teachers sponsored, Sept., 1991
 - xl. Trainer of Trainers Workshop –Primary Science Ghana Education Service sponsored, Ajumako, July, 1991
 - xli. Trainer of Trainers Workshop – J.S.S. Science Teaching Ghana Education Service sponsored, Ajumako - Jan. 1990

23. Administrative Experience

- i. Director, Quality Assurance Directorate, University of Education, Winneba, August 01, 2016 – July 31, 2017
- ii. Director, Quality Assurance Directorate, University of Education, Winneba, September 01, 2015 – July 31, 2016
- iii. Academic Counsellor for students, Department of Physics Education, University of Education, Winneba, for 2014/2015 academic year
- iv. Director, Quality Assurance Unit, University of Education, Winneba, for 2014/2015 academic year
- v. Hall Fellow - University Hall (formerly GETFund), University of Education, Winneba, 2013/2014 Academic year
- vi. Ag. Director, Quality Assurance Unit, University of Education, Winneba, Ghana. September 01, 2013 – August, 2014
- vii. Ag. Pro-Vice-Chancellor – University of Education, Winneba, January 14 – 28, 2013
- viii. Hall Fellow – University Hall (formerly GETFund), University of Education, Winneba, 2012/2013 Academic year
- ix. Hall Fellow – University Hall (formerly GETFund), University of Education, Winneba, 2011/2012 Academic Year
- x. Dean, Faculty of Science Education, University of Education, Winneba, Ghana. September 01, 2010 – August 31, 2013
- xi. Ag. Dean, Faculty of Science Education, University of Education, Winneba, Ghana. Sept 01, 2009 to August 31, 2010
- xii. Hall Fellow- Simpa Hall, University of Education, 2010/2011 Academic Year
- xiii. Head, Department of Science Education, University of Education, Winneba, Ghana, Sept., 01, 2008 – August 31, 2009
- xiv. Ag. Head, Department of Science Education, University of Education, Winneba, Ghana, 2002/2003 - 2003/2004
- xv. Departmental Examination Officer, 1996 – 2001
- xvi. Departmental Time Table Officer, 1996 – 2001
- xvii. Hall Counsellor, AMU Hall, University of Education, 1996-1998

- xviii. Departmental Staff Secretary Advanced Teacher Training College, Winneba. 1984 – 1987
- xix. Chairman, Transport Committee, Advanced Teacher Training College, Winneba. 1989 – 1992
- xx. Hall Warden, Nana Ghartey Hall, Advanced Teacher Training College, Winneba. 1989 -1992
- xxi. Assistant National Secretary, Ghana Association of Science Teachers, 1986- 1992
- xxii. Regional Chairman, Central Region, Ghana Association of Science Teachers, 1984 – 1986
- xxiii. Hall Warden, Kotoka Hall, Advanced Teacher Training College, Winneba, 1984 - 1986
- xxiv. Sectional Head (Physics), Department of Science Advanced Teacher Training College, Winneba. 1983 – 1987

24. Experience in Editing and Reviewing Journal Articles

- i. Reviewer, *Journal of Educational Development and Practice (JED-P)* of Institute of Education, University of Cape Coast, Ghana – June 2011 to present
- ii. Edited 2 Units IEDE book (PSC 501 – PHYSICS 2 _ University Physics Made Easy) – April, 2010.
- iii. Edited entire IEDE book (ISC 511 – Energy – Four Units) – March, 2010
- iv. Reviewer, *Journal of Research and Development in Education*, since March, 2010
- v. Editing distance learning materials for IEDE, from 2008 –present
- vi. Edited articles for World Conference on Science & Technology Education, ICASE 2007, to be held in Perth, Australia, 8 – 12 July, 2007
- vii. Writer and Editor, Distance Education materials, 1995 – 2001
- viii. Science Editor, Nyansapow Journal for Pre-University science students, 1996 - 1997

25. University Committees Served On and Community Service

- i. Chairman, Committee to investigate students' vandalism of properties on the North Campus. UEW, May – June, 2017
- ii. Chairman, Committee to investigate examination irregularity at the Department of Agricultural Education, College of Agricultural Education, Mampong – Ashanti, May, 2017
- iii. Leader, Team to compile data and complete survey (ACU Measures) for benchmarking universities within the Association of Commonwealth Universities, February – May, 2017
- iv. Donated 10 copies of own published book: *The status and quality of continuous assessment in JHS in Ghana* by M. K. Amedeker (2016) published by Scholars Press, Germany to UEW Libraries on all four campuses, February 06, 2017

- v. Leader, UEW Team to compile data and complete a survey for competing in 2016 UI GreenMetric World University Ranking competition, October 2016
- vi. Member, Academic Planning Committee, UEW, August 01, 2016 – July 31, 2017
- vii. Chairman, Committee to investigate an alleged examination malpractice in the Department of Agricultural Education, College of Agricultural Education, Mampong – Ashanti, June – July, 2016
- viii. Member, Committee to investigate an alleged examination malpractice in the Department of Biological Sciences Education, College of Agriculture Education, Mampong - Ashanti, June, 2016
- ix. Chairman, Committee to investigate an alleged examination malpractice in Early Childhood Education Department, UEW, - June, 2016
- x. Chairman, Committee to investigate an alleged irregular attendance to work by a conservancy labourer in the University Hall UEW, - May 2016
- xi. Chairman, Committee to draft proposal for building database for UEW students' theses, dissertations and projects, March, 2016
- xii. Chairman, Committee to investigate recurrence of issues of non-cooperation in the Department of French Education, University of Education, Winneba, September – December, 2015
- xiii. Chairman, Committee to investigate complaints of discrimination and non-promotion written by a Finance staff, August – September, 2015
- xiv. Chairman, Committee to investigate alleged stealing of HPERSSA track suits and branding for Challenging Heights, Winneba, July 2015
- xv. Chairman, Committee on installation of Closed Circuit Television (CCTV) Cameras on campuses of University of Education, Winneba, June 2015 - July, 2015
- xvi. Member, Disciplinary Board to investigate falsification of examination results at the College of Technology of University of Education, Winneba, Kumasi Campus, May, 2015
- xvii. Chairman, Committee to investigate burglary at the Techiman Distance Education Study, April – May, 2015
- xviii. Member, University of Education, Winneba Search Committee for Principal for UEW College of Technology Education, Kumasi Campus, January – February, 2015
- xix. Member, Committee to establish modalities for integrating the National Sports College into mainstream administration of the University of Education, Winneba, October, 2014
- xx. Chairman, Disciplinary Committee to investigate alleged examination malpractice in Basic Education Department during 2014 Sandwich period, September – October, 2014
- xxi. Chairman, Disciplinary Committee to investigate alleged misconduct of two staff in the Environmental Health and Sanitation Unit, University of Education, Winneba, from October 01, 2014 - November, 2014
- xxii. Member, Academic Board sub-committee to fine-tune draft Quality Assurance Policy document for the University of Education, Winneba, September 15 – 30, 2014

- xxiii. Chairman, Committee to develop Sandwich curriculum for B. Sc. Health Administration and Education (Nursing Administration Option) for the Department of Health Administration and Education, University of Education, Winneba
- xxiv. Chairman, Committee to investigate an alleged examination malpractice in the Department of Basic Education, University of Education, Winneba during the first semester of 2013/2014 academic year, Jan. – Feb., 2014
- xxv. Member, Committee to Draw Strategic Plan, 2014 – 2019 for University of Education, Winneba, September 2013 – February 2014
- xxvi. Member, Disciplinary Board to prescribe sanctions to senior members involved in issues concerning Sandwich Examinations in the Department of Basic Education, University of Education, Winneba, September, 2013
- xxvii. Chairman, Investigation Committee to investigate an alleged examination leakage in the Department of Basic Education, UEW during the 2013 Sandwich Examinations, July 31. 2013 – August 27, 2013
- xxviii. Chairman, Disciplinary Committee to investigate and prescribe sanctions for students caught smoking marijuana at UEW North Campus, May, 2013
- xxix. Chairman, Committee to investigate disciplinary issues in the Department of French Education, UEW, May – June 2013
- xxx. Chairman, Committee to investigate issues of lack of cooperation of a lecturer of the French Education Department, UEW with the Head of Department, April – June, 2013
- xxxi. Member, Appointment and Promotion Board Sub-Committee to review the criteria for promotion for Senior Members of UEW, May – June, 2013
- xxxii. Member, Disciplinary Board to study the report of an investigation Committee and a Disciplinary Committee and prescribe sanctions against a Senior Member of KOLTEK, UEW – Kumasi Campus, February 21 – July 23, 2013
- xxxiii. Member, Finance Committee, Academic Board Representative, 2012/2013-2013/2014 Academic year
- xxxiv. Member, Appointments and Promotions Board, UEW – 2012/2013 Academic year to present
- xxxv. Member, Committee to investigate impropriety in submission of published papers for promotion in the University of Education, Winneba - June, 2012
- xxxvi. Chairman, Committee to investigate theft case at Maputo Court, Ghana Hostels, involving a student – May, 2012
- xxxvii. Chairman, Committee to draft Risk Management Policy for University of Education, Winneba, December, 2011
- xxxviii. Chairman, Committee to draft the curriculum of the Health Education programme for the Department of Health, Physical Education, Recreation and Sports, University of Education, Winneba, August, 2011
- xxxix. Member, Committee to draft policy on journal publication in the University of Education, Winneba, June, 2011
 - xl. Chairman, Committee to investigate unlawful entry into a students' online portal by a colleague at UEW, April, 2011
 - xli. Chairman, Committee to produce draft policy document on students' elections at UEW, March, 2011.

- xlii. Chairman, Committee to produce recommendations for relocation of the North Campus Market at UEW, January, 2011
- xlili. Member, Committee to study document on setting up two public Universities (UNER & UHAS), August, 2010
- xliv. Chairman, Farm Management Committee, UEW, 2010/2011 – 2016/2017 Academic years
- xlv. Member, Committee to investigate doctoring of procurement document, Feb, 2010
- xlvi. Member, Committee to investigate reported non-performance of UEW graduates in the pre-tertiary schools, Dec., 2009 – March, 2010
- xlvii. Member, Finance Committee, Academic Board Representative, 2009/10-2011/2012 Academic year
- xlviii. Chairman, Committee to investigate reported grade discrepancies in papers written in Akan-Nzema, September 16 – 24, 2009
- xlix. Chairman, Disciplinary Committee to prescribe punishment for Embezzlement of Funds, June, 2009
 - 1. Member, Finance and Development Planning Committee – 2009/2010 Academic year
 - li. Member, Implementation Committee, Teacher Education in Sub-Saharan Africa, (TESSA) April, 2009 – July, 2015
 - lii. Member of the University of Education, Winneba, Academic Board, 2008/2009 academic year
 - liii. Member of Faculty Board, Faculty of Science Education, University of Education, Winneba, 2008/2009 to 2012/2013 academic years
 - liv. Member of University of Education Academic Board, 2002/2003 & 2003/2004 2008/2009 to 2012/2013 academic years
 - lv. Member, University Estate Management Committee - Oct. 2003 - Feb. 2005
 - lvi. Member, University Committee to investigate Admissions Malpractice - Oct., 2003
 - lvii. Chairman, University Committee to investigate Examinations Malpractice Sept., 2003
 - lviii. Chairman, Senior Members and Senior Staff Association (SEMSA), University of Education, Winneba, 1999 – 2001
 - lix. Board Member, UCEW WINDY BAY F.M. RADIO, 1999- 2001
 - lx. Member, Committee for restructuring of academic programmes - Sept. 2000
 - lxi. Member, Education Sector analysis Committee – University College of Education, Winneba, Ghana - Sept. 1998
 - lxii. Member, Sub-Committee on Free Compulsory Universal Basic Education - Academic Board Appointment - Feb. 1996
 - lxiii. Board Member - Faculty of Science Education, University College of Education, Winneba. Ghana - 1995 – 1996

26. National Committees Served On

- i. Member, Governing Council of National Inspectorate Board of the Ministry of Education, Ghana, May, 2016 – January, 2017
- ii. Member, National Accreditation Board Academic Audit team, 2010 to date
- iii. Ministry of Environment, Science and technology sub-committee to select students for MASTESS Scholarship Scheme, January 2015
- iv. University of Education Representative on Ghana Examinations Committee at WAEC, January 2011 – to date
- v. Ministry of Environment, Science and Technology sub-committee to select students for MASTESS Scholarship Scheme January, 2011
- vi. Chairman, Board of Governors, Mepe St. Kizito Senior High/Technical School, Mepe, Volta Region, Ghana – November 05, 2010 – to date
- vii. University of Education Representative on National Accreditation Board's Institutional Quality Assurance panel – April, 2010 - 2012
- viii. University of Education's Representative - Working Committee of the Ghana Academy of Arts and Sciences, 1998 – 2001
- ix. Member, National Working Panel to review the WASSCE Core Science Syllabus –appointment by West African Examinations Council - June, 2001
- x. Member, Working Committee to compile the Integrated Science Syllabus for Senior Secondary Schools – West African Examinations Council sponsored - May, 1998
- xi. Member, Working Committee to Review the Junior Secondary School Science Syllabus – Ghana Education Service sponsored, July/Aug. 1997

27. Interests and Hobbies

- Gardening
- Observing nature
- Swimming

28. Initiatives

- i. Sole writer of draft Quality Assurance Policy document for University of Educatoin, Winneba during the 2013/2014 academic year
- ii. Sole writer of proposal for funding from DAAD (Germany) for science teacher training cooperation with University of Flensburg – Under consideration for 2014
- iii. Leader, team to develop B. Sc. (Health Administration and Education) programme creation of Department of Health Administration and Education as part of the Faculty of Science Education – programme started in 2013/2014 Academic year
- iv. Development of Faculty Handbook for academic programmes in the Faculty of Science Education- realised in 2012/2013 academic year

- v. Development of Departmental Undergraduate and Graduate Handbooks for all departments of the Faculty of Science Education – realised in 2012/2013 academic year
- vi. Decoupling the Science Education Department into Physics Education, Chemistry Education, Biology Education and Integrated Science Education Departments – realised in 2009
- vii. Initiated collaboration of Department of Science Education, University of Education, Winneba with Central Connecticut State University, USA and succeeded in obtaining initial 40 computers to establish a Graduate Computer Laboratory at the Department of Science Education, 2009
- viii. Proposal for extension of Science Faculty Block – reconstructed from 2006 and completed 2012

29. Research Interests

- i. Integration of assessment with instruction for supporting students' learning of science
- ii. Integration of ICT into instruction in science
- iii. Assessment and Evaluation
- iv. Teacher professional development
- v. Teacher Education/Physics Education
- vi. Backward meson production and photo-production of mesons and coupling of mesons to nucleons

30. Referees

1. Prof. Mawutor Avoke
Vice-Chancellor, UEW
Mobile: +233 (0) 208 120 181

2. Prof. A. Asabere-Ameyaw
Former Vice-Chancellor, UEW
Email: aaameyaw@uew.edu.gh
Mobile: +233(0) 244 314 781

3. Rev. Prof. Fr. Anthony Afful-Broni,
Pro-Vice-Chancellor, UEW
Mobile: +233 (0) 244 750978

Signed:



12th June, 2017