

Diploma

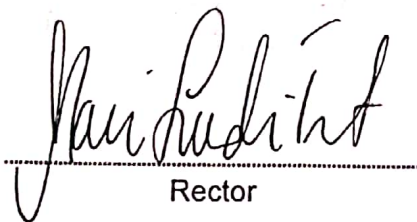
Elibariki Reuben Mwakapeje

date of birth 14 May 1978

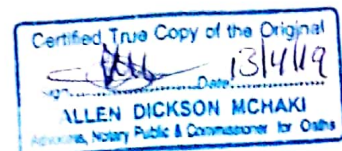
has 22 February 2019 been awarded the degree

Philosophiae Doctor (PhD)
in
Veterinary Science

Norwegian University of Life Sciences
5 March 2019


Rector


Director of Research



General information about the degree

Philosophiae Doctor (PhD) is awarded in accordance with the Regulations on Degrees and Titles Protected by Law of 16 December 2005 (No. 1574).

The nominal length of study for the degree is 3 years and it comprises 180 ECTS credits. One completed year of study has nominally 60 ECTS credits.

Philosophiae Doctor (PhD) is a qualification that is part of third cycle/level 8 in the Norwegian Qualifications Framework for Lifelong Learning, approved by the Ministry of Education and Research on 15.12.2011.

The PhD degree is awarded on the basis of a) approved completion of the required coursework, b) approved doctoral thesis, c) approved trial lecture on a specified topic, and d) approved public defence of the doctoral thesis (disputation).

Objectives, content and organisation of the programme of study

The PhD programme in Veterinary Science is based at NMBU's Faculty of Veterinary Medicine.

The PhD programme has a nominal duration of three years' full-time study, divided into a minimum of 30 credits for the PhD education and 2.5 years for research work and completion of the thesis.

The faculty encompasses a wide range of disciplines and comprehensive research activity in medical and biological disciplines.

The PhD education qualifies for research activity of high international standard and for and other employment in society in which high requirements are placed on scientific insight and analytical thinking. The PhD candidate has completed an education that offers deeper and broader competence, based on a relevant master's degree or programme of professional study. The candidate has carried out an independent work of research leading to a scientific thesis of high academic quality. The candidate has learned critical thinking skills, how to disseminate knowledge, and academic collaboration.

The programme is based on the general description of the PhD education at NMBU, and is regulated by the "Regulations for the Degree of Philosophiae Doctor (PhD) at the Norwegian University of Life Sciences".

Acquired learning outcomes

On completion of the PhD programme, the new doctor has the following a) knowledge, b) skills and c) general competence:

a) The doctor

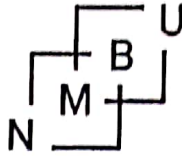
- has in-depth knowledge in her/his subject area within Veterinary Science, and has a systematic understanding of scientific theories and methods in the field
- is able to assess and analyse different theories, methods and processes in research and academic development projects, also from an international perspective
- is able to contribute to the development of new knowledge, new theories and methods within her/his field

b) The doctor

- is able to formulate critical questions and to design and implement research at an internationally high level
- masters the use of scientific equipment, instruments, analysis tools and relevant statistical methods of her/his field, and is familiar with equipment researchers normally use
- has contributed through original research to new knowledge that merits publication in national or international peer-reviewed journals
- is able to handle interdisciplinarity and complexity, create an overview, and synthesise scientific information
- is capable of critical analysis and offering constructive criticism on scientific work within her/his field

c) The doctor

- is able to carry out her/his research with professional and ethical integrity, take into consideration animal welfare and environmental issues, and is able to identify and assess relevant ethical concerns
- is able to disseminate research and development work through recognised national and international channels, and to take part in scientific debates on international arenas
- is able to disseminate research findings to the livestock or aquaculture industry, the authorities and public administration, as well as to the general public
- is able to place own research in broader academic and societal contexts
- is able to assess the need for, to initiate and if appropriate stimulate, innovation within her/his field



Norwegian University of Life Sciences Transcript of Records

Name: **Mwakapeje, Elibariki Reuben**
Degree: Philosophiae Doctor (PhD)
Study programme: Veterinary Science

Date of birth: 1978-05-14

Received: 2019-02-22

Educational component		Semester	Credits	Grade
NMBU Credits				
VET411	Introduction to veterinary epidemiology	2016 spring	10	Passed
VET400	Introduction to ethical and philosophical perspectives in biomedical research	2017 spring	5	Passed
VET420	Midterm course: Writing the PhD thesis	2017 autumn	2	Passed
VET421	Midterm evaluation	2017 autumn	3	Passed
External Courses				
NRS8002	Systematic Review and Meta-analysis (Norwegian University of Science and Technology)	2017 autumn	5	Recognized
External Credits				
	One Health International Summer Course (University of Copenhagen)	2017 summer	5	Recognized
VET430	Poster 10th European Congress on Tropical Medicine and International Health, Antwerp, Belgium	2017 autumn	1.5	Passed

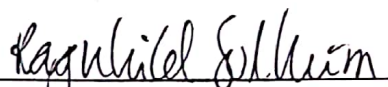
Doctoral thesis	Date	Result
<i>Use of a One Health Approach for Understanding the Epidemiology and Management of Anthrax Outbreaks in the Human-Livestock-Wildlife and Environmental Health Interface Areas of Northern Tanzania</i>	23.01.2019	Approved

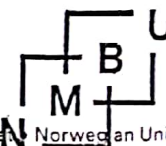
Trial examination and public defense	Date	Result
Trial lecture on given topic <i>Global clinical and epidemiological patterns of the most prevalent Zoonoses and their relevance for public health</i>	22.02.2019	Approved
Disputation	22.02.2019	Approved

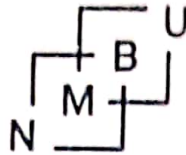
Academic supervisor(s)

Eystein Skjerve, Professor, Norwegian University of Life Sciences
Robinson Hammerthun Mdegela, Professor, Sokoine University of Agriculture, Tanzania
Hezron Emmanuel Nonga, Dr., Sokoine University of Agriculture, Tanzania

5 March 2019


Institution's Representative





Norwegian University of Life Sciences Transcript of Records

Name: **Mwakapeje, Ellbariki Reuben**
Degree: Philosophiae Doctor (PhD)
Study programme: Veterinary Science

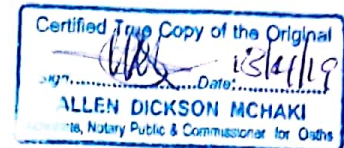
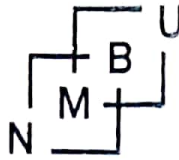
Date of birth: 1978-05-14
Received: 2019-02-22

Evaluation committee

Innocent Rwego, Associate Professor, University of Minnesota, USA
Susanna Sternberg Lewerin, Professor, Swedish University of Agricultural Sciences, Sweden
Camilla Kielland, Associate Professor, Norwegian University of Life Sciences

5 March 2019

Institution's Representative



Norwegian University of Life Sciences Transcript of Records

Name: **Mwakapeje, Elibariki Reuben**
Degree: Philosophiae Doctor (PhD)
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Date of birth: 1978-05-14

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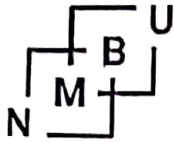
Credit system and grading

The academic year normally runs from mid-August to mid-June and lasts for 10 months. Courses are measured in "studiepoeng", considered equivalent to the European Credit Transfer System standard (ECTS credits). The full-time workload for one academic year is 1500 - 1800 hours of study / 60 "studiepoeng".

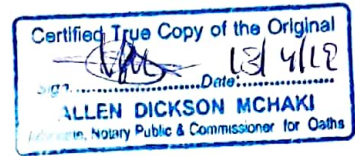
The Norwegian grading system consists of two grading scales: one scale with the grades pass or fail and one graded scale from A to E for pass and F for fail. The graded scale has the following qualitative descriptions:

A	Excellent	An excellent performance, clearly outstanding. The candidate demonstrates excellent judgement and a very high degree of independent thinking.
B	Very good	A very good performance. The candidate demonstrates sound judgement and a high degree of independent thinking.
C	Good	A good performance in most areas. The candidate demonstrates a reasonable degree of judgement and independent thinking in the most important areas.
D	Satisfactory	A satisfactory performance, but with significant shortcomings. The candidate demonstrates a limited degree of judgement and independent thinking.
E	Sufficient	A performance that meets the minimum criteria, but no more. The candidate demonstrates a very limited degree of judgement and independent thinking.
F	Fail	A performance that does not meet the minimum academic criteria. The candidate demonstrates an absence of both judgement and independent thinking.

The assessment is criterion referenced.



Notat



Vår ref. / Our ref.

16/02591

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forskerutdanning@nmbu.no

Deres ref. / Your ref

Dato / Date 05.03.2019

Elibariki Reuben Mwakapeje –

Tildeling av graden philosophiae doctor (ph.d.)

Award of the degree Philosophiae Doctor (PhD)

Det vises til erklæring fra bedømmelseskomiteen.

With reference to the "Statement from the Evaluation Committee".

Rektor tildeler graden ph.d. til:

Elibariki Reuben Mwakapeje

Rector awards the degree PhD to:

Ås, 05. mars 2019


Mari Sundli Tveit
Rektor / Rector


Ragnhild Solheim
Forskningsdirektør / Director of Research