



**Karolinska
Institutet**

Examensbevis | *Degree Certificate*

Medicine masterexamen

med huvudområdet toxikologi

*Degree of Master of Medical Science (120 credits)
with a major in Toxicology*

Aurino Muhammad Kemas

19901007-5795

i enlighet med bestämmelserna i högskoleförordningen (SFS 1993:100) om utbildning på avancerad nivå
in accordance with the Higher Education Ordinance (SFS 1993:100) concerning studies at second cycle

den 22 juni 2020

22 June 2020

På rektors vägnar

On behalf of the President

Elisabeth Larsson

Examenshandläggare

Senior Administrative Officer

Kurser och betyg förtecknas på följande sidor.

Courses passed and grades obtained are indicated in the following pages.

Kurser ingående i medicine masterexamen med huvudområdet toxikologi, 120 högskolepoäng:

Courses included in the Degree of Master of Medical Science (120 credits) with a major in Toxicology:

Kurs Course	Högskolepoäng Credits	Betyg Grade	Datum Date
Toxikologins principer <i>Principles of Toxicology</i>	7,5	Väl godkänd ¹ <i>Pass with distinction</i>	2018-10-04
System- och vävnadstoxikologi - toxikokinetik och toxikodynamik <i>Target Organ Toxicology - Toxicokinetics and Toxicodynamics</i>	17,5	Väl godkänd ¹ <i>Pass with distinction</i>	2019-01-06
Histopatologi och klinisk patologi <i>Histopathology and Clinical Pathology</i>	5,0	Väl godkänd ¹ <i>Pass with distinction</i>	2019-01-18
Teoretisk och praktisk försöksdjursvetenskap <i>Laboratory Animal Science in Theory and Practice</i>	4,5	Väl godkänd ¹ <i>Pass with distinction</i>	2019-02-07
Tillämpning av metoder inom toxikologisk forskning <i>Applications of Methods in Toxicological Research</i>	16,5	Väl godkänd ¹ <i>Pass with distinction</i>	2019-04-23
Hälsoriskbedömning <i>Health Risk Assessment</i>	9,0	Väl godkänd ¹ <i>Pass with distinction</i>	2019-06-05
Global toxikologi i ett hållbart samhälle <i>Global Toxicology in a Sustainable Society</i>	2,5	Väl godkänd ¹ <i>Pass with distinction</i>	2019-09-13
Riskbedömning och in silico-toxikologi <i>Risk Assessment and In Silico Toxicology</i>	10,0	Godkänd ² <i>Pass</i>	2019-11-25
Regulatorisk toxicitetstestning <i>Regulatory Toxicity Testing</i>	10,0	Väl godkänd ¹ <i>Pass with distinction</i>	2019-12-19
Examensarbete i toxikologi <i>Degree Project in Toxicology</i>	37,5	Väl godkänd ¹ <i>Pass with distinction</i>	2020-06-03

Datum för avslutade studier: den 3 juni 2020

Date of completed studies: 3 June 2020

Noter/Notes

- 1 Betygsskala: Väl godkänd (VG), Godkänd (G)
Grading scale: Pass with distinction (VG), Pass (G)
- 2 Betygsskala: Godkänd (G)
Grading scale: Pass (G)

Kursernas omfattning anges av poängtalet, varvid 60 högskolepoäng motsvarar ett års heltidsstudier.
Högskolepoäng motsvaras av ECTS-poäng (European Credit Transfer System).

*The scope of the courses is stated in terms of a credit system, whereby 60 credits correspond to one year of full-time studies.
The system is compatible with ECTS credits (the European Credit Transfer System).*

DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international “transparency” and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. Information identifying the holder of the qualification

- 1.1 **Family name(s)** Kemas
- 1.2 **Given name(s)** Aurino Muhammad
- 1.3 **Date of birth (day/month/year)** 7 October 1990
- 1.4 **Student identification number or code (if available)** 19901007-5795

2. Information identifying the qualification

- 2.1 **Name of qualification and (if applicable) title conferred (in original language)**
Medicine masterexamen (Degree of Master of Medical Science (120 credits))
- 2.2 **Main field(s) of study for the qualification**
Toxicology
- 2.3 **Name and status of awarding institution (in original language)**
Karolinska institutet (Karolinska institutet)
State recognised University
- 2.4 **Name and status of institution (if different from 2.3) administering studies (in original language)**
Not applicable.
- 2.5 **Language(s) of instruction/examination**
English

3. Information on the level of the qualification

- 3.1 **Level of qualification**
Avancerad nivå/Second-cycle QF-EHEA SeQF 7/EQF 7.
For information on the Swedish higher education system, see section 8.
- 3.2 **Official length of programme**
120 högskolepoäng (credits)/120 ECTS. Duration of 2 years of full-time studies. A normal 40-week academic year corresponds to 60 credits (högskolepoäng). One credit corresponds to 1 ECTS credit.
- 3.3 **Access requirement(s)**
There are general and (additional) specific entry requirements that should be fulfilled for access to higher education within all cycles. The general entry requirements for second-cycle studies are a first-cycle qualification of at least 180 credits, or a corresponding foreign qualification. An applicant may also be accepted on the basis of a comparable level of learning outcomes obtained through other education, practical experience or other circumstances.

4. Information on the contents and results gained

- 4.1 **Mode of study**
Full-time equivalent.
- 4.2 **Programme requirements**
The Swedish Higher Education Act takes account of 1) courses and study programmes based on scholarship or artistic practice and on proven experience, and 2) research and artistic research as well as development work. Reference to research below also applies to artistic research.

According to the Swedish Higher Education Act, second-cycle courses and study programmes shall (in addition to the requirements for first-cycle courses and study programmes): further develop the ability of students to integrate and make autonomous use of their knowledge; develop the ability to deal with complex phenomena, issues and situations; and develop the potential for professional activities that demand considerable autonomy, or for research and development work. (For further information, see The Swedish Higher Education Act and The Higher Education Degree Ordinance: www.uhr.se/en)

Courses from first level comprising at most 30 credits may be included in the degree.

4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained (if this information is available on an official transcript this should be used here)

A Degree of Master (120 credits) is awarded after the student has completed the courses required to gain 120 credits with a defined specialisation determined by each higher education institution itself, of which at least 60 credits are for specialised study in the principal field (main field of study) of the study programme. In addition the prior award of a Degree of Bachelor, a Degree of Bachelor of Fine Arts, a professional or vocational qualification of at least 180 credits or a corresponding qualification from abroad is required.

A requirement for the award of a Degree of Master (120 credits) is completion by the student of an independent project (degree project) for at least 30 credits in the main field of study. The degree project may comprise less than 30 credits, however no less than 15 credits, if the student has already completed an independent project in the second cycle for at least 15 credits in the main field of study or the equivalent from a programme of study outside Sweden.

For more information, see Degree Certificate/Official Transcript.

4.4 Grading scheme and, if available, grade distribution guidance

There is no national grading system in Sweden. Higher education institutions may determine which grading system is to be used. For more information, see Degree Certificate/Official Transcript.

4.5 Overall classification of the qualification (in original language)

Not applicable for Swedish qualifications, since no overall grade is awarded for a degree and students are not ranked. For example, Grade Point Average (GPA) and other ranking systems are not used in Sweden.

5. Information on the function of the qualification

5.1 Access to further study

The degree gives access to third-cycle studies (doctoral studies)

5.2 Professional status (if applicable)

The Degree of Master corresponds to the qualification level referred to in point (e) of Article 11 of Directive 2005/36/EC.

6. Additional information

6.1 Additional information

None.

6.2 Further information sources

Karolinska Institutet, SE-171 77 Stockholm, Sweden, www.ki.se

The Swedish Council for Higher Education (Universitets- och högskolerådet) has been commissioned to act as the Swedish NARIC and is also part of ENIC. The ENIC-NARIC office provide information on education in Sweden. Please see: <http://www.uhr.se>

For information on Professional Qualifications Directive, Swedish National Assistance Centre for the Recognition of Professional Qualifications (Professional Qualifications Directive 2005/36/EC): pqinfo@uhr.se

For information on quality assurance, Swedish Higher Education Authority: <http://english.uka.se>

7. Certification of the supplement

7.1 Date 22 June 2020

7.2 Signature

Elisabeth Larsson

7.3 Capacity Senior Administrative Officer

7.4 Official stamp or seal



**Karolinska
Institutet**

8. Information on the national higher education system

See attached information on the The Swedish higher education system.