

DIPLOMA

EMFOL ERASMUS MUNDUS FOOD OF LIFE

Manuel Jr. Datig Gacutan

has successfully completed the two-year Erasmus Mundus Master Course in Animal Derived Foods,
Food of Life – an international elite MSc programme supported by the European Commission
to enhance and promote higher education throughout the world.

The EMFOL Master Course combines in a unique way animal science and food science and technology.
The Master Course is offered by a consortium of four leading European universities:
Swedish University of Agricultural Sciences, University of Copenhagen,
University of Helsinki and Universitat Autònoma de Barcelona.

Christopher Knight

Prof. Christopher H. Knight
EMFOL Coordinator

**CERTIFIED PHOTOCOPY
FROM THE ORIGINAL**

Louros B. Cand
LOUROES B. CAND
DIRECTOR ODAHRD

DATE: 7/6/12



SVERIGES LANTBRUKSUNIVERSITET

utfärdar härmed bevis om
certifies that

MASTEREXAMEN
med huvudområdet Husdjursvetenskap

DEGREE OF MASTER OF SCIENCE (120 credits)
with a major in Animal Science

för
has been conferred upon

Manuel Jr Gacutan

född den 17 juni 1986/*Date of birth: 17 June 1986*

som i enlighet med bestämmelserna i förordningen för Sveriges lantbruksuniversitet (SFS 1993:221/2006:1405) om utbildning på avancerad nivå uppfyllt fordringarna för masterexamen, 120 högskolepoäng.

who in accordance with the stipulations of the ordinance for the Swedish University of Agricultural Sciences (SFS 1993:221/2006:1405) concerning studies at second cycle has fulfilled the requirements for the Degree of Master of Science (120 credits).

På rektors vägnar/*On behalf of the Vice-Chancellor*


Helny Carlsson
Byrådirektör/*Senior Administrative Officer*



ÄMNE/KURS SUBJECT/COURSE	HÖGSKOLE- POÄNG CREDITS	BETYG GRADE	DATUM DATE
HUSDJURSVETENSKAP/ANIMAL SCIENCE			
Grundläggande Nutrition <i>Basic Nutrition</i>	10.0	3 (ECTS: E) <i>Pass</i>	2012-11-08
Laktationsbiologi <i>Biology of Lactation</i>	10.0	4 (ECTS: C) <i>Pass with credit</i>	2013-01-15
Jämförande nutrition <i>Comparative Nutrition</i>	10.0	5 (ECTS: B) <i>Pass with distinction</i>	2013-01-18
Avancerad fodervetenskap <i>Advanced Feed Science</i>	10.0	5 (ECTS: A) <i>Pass with distinction</i>	2013-03-28
Tropisk husdjursproduktion <i>Tropical Livestock Production</i>	5.0	5 (ECTS: A) <i>Pass with distinction</i>	2013-04-11
Animal Biotechnology Applied to Agriculture 1)	7.5	A	2013-11-26
Master's Thesis 1)	30.0	A	2014-08-25
Titel/Title: Dry Ageing of Beef Using Chitosan-based Electrospun Polymer: An Exploratory Study.			
ÖVRIGA ÄMNEN/OTHER SUBJECTS			
Animal Food Science <i>Animal Food Science</i>	15.0	3 (ECTS: E) <i>Pass</i>	2013-06-05
Microbiology of Fermented Food and Beverages 1)	7.5	E	2013-11-08
EM Food of Life Summer School 1)	7.5	Pass 2)	2014-01-15
Chemical Food Safety 1)	7.5	A	2014-03-12

- 1) Kurs läst vid Københavns universitet / Course passed at University of Copenhagen
2) Endast betyget Pass ges/ Only Pass is given

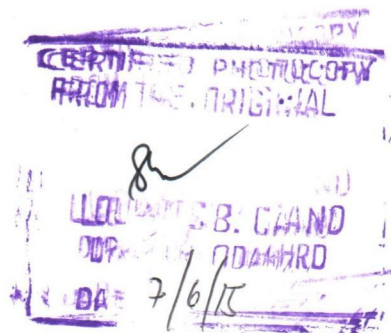
The education is passed within the Erasmus Mundus Master's programme in Food of Life. The Master's programme is a cooperation between Universitat Autònoma de Barcelona, University of Copenhagen, University of Helsinki and Swedish University of Agricultural Sciences.

ECTS grading scale: F Fail, FX Fail, E Sufficient, D Satisfactory, C Good, B Very good, A Excellent

Vid SLU tillämpas betygsskalan U, 3, 4, 5. 60 högskolepoäng motsvarar ett års heltidsstudier.
Grading scale at the Swedish University of Agricultural Sciences: Fail, Pass, Pass with credit, Pass with distinction.
60 higher education credits correspond to one year of full-time studies.
Högskolepoäng motsvaras av ECTS-poäng.
Higher education credits correspond to ECTS credits.

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Page 2 of 2 Sign

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SVERIGES LANTBRUKSUNIVERSITET

DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model 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): Gacutan
- 1.2 Given name(s): Manuel Jr
- 1.3 Date of birth (day/month/year): 17 June 1986
- 1.4 Student identification number or code (if available): 860617-P638

2. Information identifying the qualification

- 2.1 Name of qualification and (if applicable) title conferred (in original language):
Masterexamen med huvudområdet Husdjursvetenskap
- 2.2 Main field(s) of study for the qualification: Animal Science
- 2.3 Name and status of awarding institution (in original language):
Sveriges lantbruksuniversitet (State higher education institution with status of 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: Second cycle. For more information on higher education in Sweden, please see point 8, appendix 2.
- 3.2 Official length of programme: 120 credits. The scope of the education is to be indicated in credits, with full-time studies for a normal 40-week academic year corresponding to 60 credits.
- 3.3 Access requirement(s): A person has basic eligibility for an educational programme leading to a general qualification or a qualification in fine or applied arts at the second cycle of higher education if he or she 1. has a first cycle qualification comprising at least 180 credits or a corresponding foreign qualification, or 2. has the potential to benefit from the education, by virtue of Swedish or foreign education, practical experience or because of some other circumstance. An exemption can be made to the requirement of a qualification stated in the first paragraph, point 1, if an applicant is deemed able to meet the requirements for such a qualification but, owing to special circumstances, there has been insufficient time to issue a diploma.

CERTIFIED PHOTOCOPY
FROM THE ORIGINAL


LOURDES B. CANO
DIRECTOR ODAHRO
DATE: 7/6/15

4. Information on the contents and results gained

4.1 Mode of study: Full-time equivalent.

4.2 Programme requirements

Scope

A degree of Master (120 credits) is obtained after the student has completed course requirements of 120 credits with a certain area of specialisation determined by the Swedish University of Agricultural Sciences, including at least credits with in-depth studies in the main field of study. In addition, the student must hold a degree of Bachelor, a degree of Bachelor in the Field of Arts, a professional degree worth at least 180 credits or an equivalent foreign qualification.

Exceptions may be made to the requirement of a previous qualification for a student who has been admitted to the educational programme without having had basic eligibility in the form of a qualification. However, this does not apply if in the admission process an exception has been made under Chapter 7, Section 28, second paragraph of the Higher Educational Ordinance on the grounds that there has been insufficient time to issue a qualification certificate.

Outcomes

Knowledge and understanding

For a degree of Master (120 credits) the student shall have:

- demonstrated knowledge and understanding in their main field of study, including both a broad knowledge of the field and substantially deeper knowledge of certain parts of the field, together with deeper insight into current research and development work; and
- demonstrated deeper methodological knowledge in their main field of study.

Competence and skills

For a degree of Master (120 credits) the student shall have:

- demonstrated an ability to critically and systematically integrate knowledge and to analyse, assess and deal with complex phenomena, issues and situations, even when limited information is available;
- demonstrated an ability to critically, independently and creatively identify and formulate issues and to plan and, using appropriate methods, carry out advanced tasks within specified time limits, so as to contribute to the development of knowledge and to evaluate this work;
- demonstrated an ability to clearly present and discuss their conclusions and the knowledge and arguments behind them, in dialogue with different groups, orally and in writing, in both national and international contexts, and
- demonstrated the skills required to participate in research and development work or to work in other advanced contexts.

Judgement and approach

For a degree of Master (120 credits) the student shall have:

- demonstrated an ability to make assessments in their main field of study, taking into account relevant scientific, social and ethical aspects, and demonstrate an awareness of ethical aspects of research and development work,
- demonstrated insight into the possibilities and limitations of science, its role in society and people's responsibility for how it is used, and
- demonstrated an ability to identify the need of further knowledge and to take responsibility for developing his or her knowledge.

Independent project (degree project)

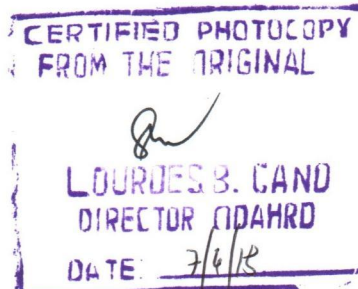
A requirement for the award of a degree of Master of Science (120 credits) is completion by the student of an independent project (degree project) for at least 30 credits in the main field of study. The degree project may comprise less than 30 credits, however no less than 15 credits, if the student 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.

Miscellaneous

Specific requirements determined by the Swedish University of Agricultural Sciences within the parameters of the requirements laid down in this qualification descriptor shall also apply for a degree of Master of Science (120 credits) with a defined specialisation.

Local regulations

Courses from first cycle comprising at most 15 credits may be included in the degree if not included in the degree at first cycle.



- 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):**
See Degree Certificate.
- 4.4 **Grading scheme and, if available, grade distribution guidance:** See Degree Certificate.
- 4.5 **Overall classification of the qualification (in original language):** Not applicable for Swedish qualifications.

5. **Information on the function of the qualification**

- 5.1 **Access to further study:** The degree gives access to studies at third cycle. For more information on higher education in Sweden, please see point 8, appendix 2.
- 5.2 **Professional status (if applicable):** Not applicable.

6. **Additional information**

- 6.1 **Additional information:** The education is passed within the Erasmus Mundus Master's programme in Food of Life leading to a double degree.
- 6.2 **Further information sources:**

Sveriges lantbruksuniversitet
P.O. Box 7070
SE-750 07 Uppsala
Phone +46 18 67 10 00
www.slu.se


Universitets- och högskolerådet (Swedish Council for Higher Education)
www.uhr.se

ENIC-NARIC Sweden, Swedish Council for Higher Education, www.uhr.se

7. **Certification of the supplement**

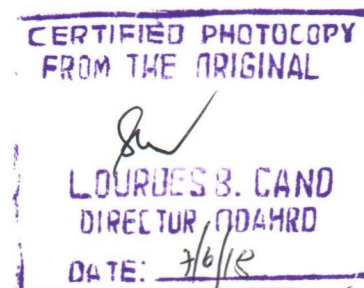
- 7.1 **Date:** October 8, 2014

7.2 **Signature**


Helny Carlsson

- 7.3 **Capacity:** Senior Administrative Officer

7.4 **Official stamp or seal**



8. **Information on the national higher education system**

Information on The Swedish Higher Education System of enclosure.



Congratulations on your degree diploma!

And welcome to SLU Alumni! As a former SLU student, you are an important ambassador for SLU and we hope to follow you and your career. Join the alumni network for lifelong opportunities!

Read more and register on: www.slu.se/alumni

By registering in the SLU Alumninet we can stay in touch, just make sure to keep your personal details updated. SLU Alumni offers you continued contact with the university and your fellow students after graduation. We also hope you will take the opportunity to continue to use SLU Career's support resources, such as the CV review.

Good luck in the future, and welcome back to SLU as an alumnus!

SLU Alumni

Join the network for lifelong opportunities

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FROM THE ORIGINAL

L
LOURDES B. CAND
DIRECTOR IDAHRD

DATE: 7/6/12



KØBENHAVNS UNIVERSITET
UNIVERSITY OF COPENHAGEN



MANUEL JR DATIG GACUTAN

cpr. 170686-4659

har den 25. august 2014

opnået

kandidatgraden i

has on 25 August 2014

been awarded the degree of

Master of Science (MSc) in

Animal-Derived Foods

John Renner Hansen

Dekan/Dean

Karen Rønnow

Studiechef/Director of Studies

DET NATUR- OG BIOVIDENSKABELIGE FAKULTET
FACULTY OF SCIENCE

CERTIFIED PHOTOCOPY
FROM THE ORIGINAL

LOUNT AND

DATE

7/6/15

Manuel Jr Datig Gacutan
Cpr. : 170686-4659

has completed the Master's programme in
Animal-Derived Foods
25 August 2014



Summary of examinations and grades page 1 of 2

The following grades were awarded

	Grade 7-point scale	Grade ECTS scale	ECTS credits
Courses at Swedish University of Agricultural Science			
Tropical Livestock Production	Passed		5,0
Basic Nutrition	Passed		10,0
Biology of Lactation	Passed		10,0
Comparative Nutrition	Passed		10,0
Advanced Feed Science	Passed		10,0
Animal Food Science	Passed		15,0
Courses at University of Copenhagen			
Erasmus Mundus Food of Life Summer School.....	Passed		7,5
Animal Biotechnology Applied to Agriculture	12	A	7,5
Microbiology of Fermented Food and Beverages.....	02	E	7,5
Chemical Food Safety	12	A	7,5
Thesis			
Dry Ageing of Beef Using Chitosan-based Electrospun Polymer: An Exploratory Study	12	A	30,0

28 April 2015

Marie Rud Skak-Arnstrup

Marie Rud Skak-Arnstrup
SCIENCE Study Administration

CERTIFIED PHOTOCOPY
FROM THE ORIGINAL

LOURDES B. CAND
DIRECTOR OF AHRD

Date: 7/6/15

Manuel Jr Datig Gacutan
Cpr. : 170686-4659

has completed the Master's programme in
Animal-Derived Foods
25 August 2014

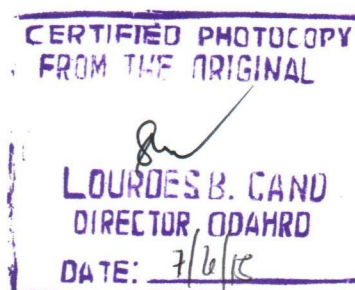
Summary of examinations and grades page 2 of 2

The Master's programme in Animal-Derived Foods covers 120 ECTS points in accordance with Ministerial Order No. 815 of 29 June 2010.

Requirements for the graduate programme
BSc in Food Science, Natural Sciences or equivalent

28 April 2015

Marie Rud Skak-Arnstrup
Marie Rud Skak-Arnstrup
SCIENCE Study Administration





Diploma Supplement

This Diploma Supplement follows the model 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 judgments, 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): Gacutan
- 1.2. Given name(s): Manuel Jr Datig
- 1.3. Date of birth: 17-06-1986
- 1.4. Danish civil registration number: 170686-4659

2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of qualification and title conferred in English: Master of Science (MSc) in Animal-Derived Foods
- 2.2 Main fields of study: Cross-disciplinary study in Animal Science and Food Science.

The qualification has been obtained within the Erasmus Mundus Master Course EM Food of Life (EMFOL) - an elite MSc programme initiated and supported by the European Commission to enhance and promote higher education throughout the world. The EMFOL MSc offers an integrated study programme conferring a double

degree fully recognised in the four partner university countries.

- 2.3. Name and status of awarding institution: Københavns Universitet, University of Copenhagen (officially abbreviated KU). KU is a publicly financed and state-regulated higher education institution, which is regulated according to the Ministry of Science, Technology and Innovation Act LBK no. 1308 of 7 December 2007.

- 2.4. Name and status of institution administering the studies: See 2.3.

- 2.5. Language(s) of instruction/examination: English

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1. Level of qualification: Master of Science degree
- 3.2. Official length of programme: 2 years = 120 ECTS credits
- 3.3. Access requirements: Admission to the MSc Programme in Animal-Derived Foods requires a BSc degree in Food Science, Animal Science or a related BSc, with a GPA above average. The application is jointly assessed by academic staff from all four partner institutions.

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1. Mode of study: Full-time study programme, equivalent of 120 ECTS credits. The EMFOL students carry out studies at two different EMFOL consortium institutions, one year at each institution.
- 4.2. Programme requirements: The EMFOL programme requires completion of compulsory courses, a thematic course and elective courses. The MSc programme concludes with a thesis project. The master's thesis is a substantial part of the candidate's individual professional profile and is often based on a specific subject-related problem.

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FROM THE ORIGINAL

LOUISE S. JENSEN
Diploma Manager
DATE: 7/6/15

8. The Danish Higher Education System May 2013

Public higher education institutions in Denmark are regulated by national legislation concerning degree structures, teacher qualifications and examinations. All programmes are accredited by national, independent accreditation agencies and the Accreditation Council.

Higher education institutions

Higher education is offered by five types of higher education institutions:

- 1. Academies of Professional Higher Education (*Erhvervsakademi**) offering professionally oriented short cycle and first cycle degree programmes.
- 2. University Colleges (*Professionshøjskole**) offering professionally oriented first cycle degree programmes.
- 3. Maritime Education and Training Institutions offering professionally oriented short cycle and first cycle degree programmes.
- 4. Research universities (*Universitet*) offering first, second and third cycle degree programmes in all academic disciplines.
- 1. University level institutions offering first, second and third cycle degree programmes in subject fields such as architecture, design, music and fine and performing arts.

Most of the higher education institutions are regulated by the Ministry of Science, Innovation and Higher Education (type 1-5). The Ministry of Culture regulates a small number of higher education institutions offering first, second and third cycle degree programmes in fine and performing arts (type 5).

Degrees in the Danish Higher Education System:

Danish qualifications levels	Ordinary higher education degrees	Adult/Continuing higher education degrees	Qualifications Framework for the European Higher Education Area – Bologna Framework	European/National Qualifications Framework for Lifelong Learning – EQF/NQF
Academy Profession level	Academy Profession (AP) degree (90-150 ECTS)	Academy Profession (AP) degree (60 ECTS) (also known as Further Adult Education (VU) degree)	Short cycle	Level 5
Bachelor’s level	Professional Bachelor’s degree (180-270 ECTS)*	Diploma degree (60 ECTS)	First cycle	Level 6
	Bachelor’s degree (within the arts) (180 ECTS)			
	Bachelor’s degree (180 ECTS)			
Master’s level	Master’s degree (within the arts) (120-180 ECTS)	Master degree (60-90 ECTS)	Second cycle	Level 7
	Master’s degree (120 ECTS)**			
PhD level	PhD degree (180 ECTS)		Third cycle	Level 8

* Can be obtained through a full regular bachelor’s programme (180-240 ECTS) or a top up bachelor’s programme following an Academy Profession degree. ** A few Master’s programmes are up to 180 ECTS.

Danish higher education institutions use ECTS credits for measuring study activities. 60 ECTS correspond to one year’s full-time study.

Qualifications framework

The qualification levels form the basis for the Danish National Qualifications Framework for Higher Education, which is certified in accordance with the overarching Bologna Framework according to the principles adopted by the European Ministers of Higher Education. Danish higher education qualifications at levels 5-8 of the Danish Qualifications Framework for Lifelong Learning (NQF) are also compatible with levels 5-8 of the European Qualifications Framework (EQF).

Admission and progression

General access to higher education in Denmark requires an Upper Secondary School Leaving Certificate or comparable qualifications. Admission to some particular programmes requires entrance examination or submission of a portfolio of artistic work. Completion of a short-cycle degree qualifies students for admission to a first cycle programme. Holders of an Academy Profession degree can obtain a Professional Bachelor’s degree within the same field of study through a top-up programme. Completion of a first cycle degree qualifies students for admission to the second cycle.

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FROM THE ORIGINAL

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LOURDES B. CAND
DIRECTOR ADAHRD
DATE: 7/6/15

Ordinary Higher Education degrees

The **Academy Profession degree** is awarded after 90-150 ECTS and includes a period of work placement of at least 15 ECTS. The programmes are development-based and combine theoretical studies with a practical approach. Programmes are, among others, offered within Marketing Management, Computer Science and Chemical and Biotechnical Science. The Danish title is field of study followed by the abbreviation AK and the English title is *AP Graduate in* [field of study].

The **Professional Bachelor's degree** is awarded after 180-240 ECTS and includes a period of work placement of at least 30 ECTS. The programmes are applied programmes. They are development-based and combine theoretical studies with a practical approach. Examples of professional bachelor's degree holders are nurses, primary and lower secondary school teachers and certain types of engineers. The Danish title is *Professionsbachelor i* [field of study] and the English title is *Bachelor of* [field of study].

The **Bachelor's degree** from a university is awarded after 180 ECTS. The programmes are research-based and are offered in all scientific fields. The Danish title is *Bachelor (BA) i* [field of study] or *Bachelor (BSc) i* [field of study] and the English title is *Bachelor of Arts (BA) in* [field of study] or *Bachelor (BSc) of Science in* [field of study].

The **Bachelor's degree (within the arts)** is awarded after 180 ECTS. The programmes are based on research and artistic research. Programmes are offered within the fine arts. The Danish title is *Bachelor (BA) i* [field of study], *Bachelor i musik (BMus)* [field of study] or *Bachelor i billedkunst (BFA)* [field of study] and the English title is *Bachelor of Arts (BA) in* [field of study], *Bachelor of Music (BMus)* [field of study] or *Bachelor of Fine Arts (BFA) in* [field of study]. A higher education degree within theatre or filmmaking is awarded after 4 years of study (240 ECTS).

The **Master's degree** is awarded after 120 ECTS. The programmes are research-based and are offered in all scientific fields. The Danish title is abbreviated to *Cand.* [latin abbreviation of academic area] *i* [field of study]. The English title is *Master of Arts (MA) in* [field of study] or *Master of Science (MSc) in* [field of study].

The **Master's degree (within the arts)** is awarded after 120-180 ECTS. The programmes are based on research and artistic research. The Danish title is abbreviated to *Cand.* [latin abbreviation of academic area] [field of study]. The English title is *Master of Arts (MA) in* [field of study], *Master of Music (MMus)* [field of study] or *Master of Fine Arts (MFA) in* [field of study]. Music Academies offer a specialist degree of 2 to 4 years following the master's degree.

The **PhD degree** is awarded after 180 ECTS. PhD programmes are offered by the universities and some university level institutions offering degrees in the artistic and cultural field. Detailed descriptions of degree levels can be found in the Danish Qualifications Framework at www.nkf.dk. Please consult the relevant Diploma Supplement for information about the learning outcome of any specific degree.

Adult and continuing higher education

The programmes normally consist of 2 years of part-time study, equivalent to 1 year of full-time study (60 ECTS credits). Certain master programmes require 1½ years of full-time study (90 ECTS credits). Admission requirements are a relevant educational qualification and at least 2 years of relevant work experience. Adult education qualifications are available at levels corresponding to those of the ordinary higher education system. • The Further Adult Education degree (*videregående voksenuddannelse/akademiuddannelse*) is awarded after studies at short cycle level and gives access to diploma programmes.

- The Diploma degree (*diplomuddannelse*) is awarded after studies at first cycle level and gives access to master programmes.
- The Master degree (*masteruddannelse*) is awarded after studies at second cycle level.

The 7 point grading scale

The grading system used in all state-regulated education programmes as of September 2007 is the 7 point grading scale. Apart from the 7 point grading scale, pass/fail assessment may also be used. 02 is the minimum grade for passing an exam.

Description of grades: 12: For an excellent performance displaying a high level of command of all aspects of the relevant material, with no or only a few minor weaknesses; 10: For a very good performance displaying a high level of command of most aspects of the relevant material, with only minor weaknesses; 7: For a good performance displaying good command of the relevant material but also some weaknesses; 4: For a fair performance displaying some command of the relevant material but also some major weaknesses; 02 For a performance meeting only the minimum requirements for acceptance; 00: For a performance which does not meet the minimum requirements for acceptance; -3 For: a performance which is unacceptable in all respects.

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FROM THE ORIGINAL

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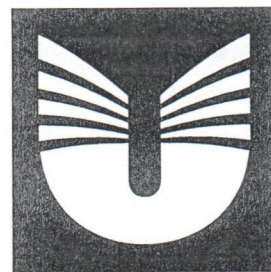
LOURDES B. CAND
DIRECTOR, NDAHRD

DATE: 2/6/15



The Swedish Higher Education System

The following description is approved by the Swedish Council for Higher Education.



GENERAL

Higher education institutions have great autonomy in the organisation of studies, use of resources and general administration. The Government may award the status of *universitet* to higher education institutions that meet certain criteria. Independent higher education providers may apply for recognition by the Government, obtain degree awarding powers and receive state funds. Qualifications from all higher education institutions that are recognized by the Government have equal official value. The same law governs all state higher education institutions. All Swedish degrees are issued in accordance with the same degree ordinances.

QUALITY ASSURANCE

All programmes and major subjects were evaluated by the National Agency for Higher Education between years 2001 and 2012. The Swedish Higher Education Authority is since 1 January 2013 responsible for the quality assurance system for higher education. Evaluation reports are public.

ACCESS AND ADMISSION TO HIGHER EDUCATION

Higher education within all cycles has two strata of entry requirements: general and (additional) specific requirements. General eligibility to the first cycle is the same for all higher education.

General eligibility is attained either by completing an upper-secondary school programme, completed adult education at upper secondary school level or having the potential to benefit from the education, by virtue of other education, practical experience or other circumstances.

The specific requirements vary according to the field of higher education and are in general expressed in terms of upper-secondary school qualifications in specific subjects. Restricted admission (*numerus clausus*) is used for all study programmes and courses.

DEGREE-AWARDING POWERS

Universities have the general right to award first-, second- and third-cycle qualifications. A small number of university colleges have been awarded the general right to award first and second cycle qualifications, as well as the right to award third cycle qualifications in specific domain/s. Other state university colleges have the right to award first cycle qualifications and *magisterexamen* but must apply to the Swedish Higher Education Authority for the right to award *master-examen* and third cycle qualifications.

University colleges that are self-governing and independent, as well as the Swedish University of Agricultural Sciences (SLU) and the Swedish National Defence College, must apply to the Government for the entitlement to award all qualifications.

With regard to first- and second-cycle vocational or professional or qualifications in fine, applied and performing arts qualifications both state universities and university colleges must apply to the Swedish Higher Education Authority for degree awarding powers.

QUALIFICATIONS

All courses and study programmes are placed within one of three cycles: the first,

second or third cycle. All qualifications are placed within one of the three cycles. Higher education within the first and second cycles is provided in the form of courses. Courses may be grouped together into programmes with varying levels of individual choice. Students themselves are also able to combine different courses towards a degree. A course syllabus is required for each course within the first and second cycle and a programme syllabus for each study programme. Educational cycle, number of credits and intended learning outcomes has to be specified for each course. Sweden has a system of credits (*högskolepoäng*); a normal 40-week academic year corresponds to 60 credits. The system is compatible with ECTS credits.

In the qualification ordinances, the Government has laid down which qualifications may be awarded and the scope, the objectives as well as intended learning outcomes for these qualifications. In the Swedish higher education system there are generally no intermediate qualifications. All qualifications are regarded as final, even if there is a possibility to continue studying. There are three categories of qualifications: 1. general, 2. in fine, applied and performing arts and 3. professional qualifications. Translations into English of all titles of qualifications are regulated at the national level. An institution of higher education may decide to add a prefix to a qualification title e.g. *filosofie kandidat-examen* or *medicine doktorexamen* or/and add a major field of studies e.g. *civilingenjörsexamen i maskinteknik*.



Swedish Council for
Higher Education

CERTIFIED PHOTOCOPY
FROM THE ORIGINAL

LOURDES B. CAND
DIRECTOR, IDAHRD

DATE: 7/6/15

