



HANDBOOK FOR STUDENT 2022

Logistics Engineering and Supply Chain Management

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Introduction

This handbook is for Master degree student of Logistics Engineering and Supply Chain Management Curriculum, Industrial Engineering department, Faculty of Engineering Chiang Mai University. This handbook is a guide for students, advisors including to related person to be advice about curriculum structure, procedure and regulations of Graduated School.

The procedure, regulations and announcements of Graduated School Chiang Mai University and handbook of Graduated School Engineering have been compiled and rearranged to make it short and easy to understand. Furthermore, if there' s any change of the procedure, regulations and announcement, students will be informed.

Department of Industrial Engineering
Faculty of Engineering, Chiang Mai University

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Table of contents

Logistics Engineering and Supply Chain Management Curriculum	Page
General information	1
- Curriculum Name	
- Name of degree	
- Program structures	
- Duration of study	
Qualification of student	2
Enrollment	3
Enrollment after the specified period	4-6
Educational measurement and evaluation	7-8
Graduation qualification	9-13
** Student status termination and Taking leave**	14
Contact of Instructor in Department of Industrial Engineering	15-16
Studying Plan	17-27
- Plan A Type A 1	
- Plan A Type A 2	
- Plan A Type A2 (Double Degree)	
- Plan B	
Curriculum courses	28-30
- Required courses	
- Elective courses	
Course description	31-38
Guideline for doing Thesis/I.S. in Master's degree	39
Thesis/I.S. title and proposal approval procedure	40-42
Thesis and Independent Study Enrollment	43
Comprehensive examination for Plan B student	43
Comprehensive examination for Plan B student	44
Thesis and Independent study (I.S.) examination procedure	45
Thesis major advisors and Thesis/I.S. examiners	46
Thesis/I.S. examination	46
Reporting the results of the Thesis/I.S. examination and Submitting Thesis/I.S.	47
Documents for graduation	47

Table of contents

Appendix

Chiang Mai University Announcement Academic Calendar 2022

Announcement of Graduate School, Chiang Mai University

- Foreign Language Conditions for Graduate Students
- Chiang Mai University Regulation on Graduate Education 2559 B.E.
- Chiang Mai University Regulation on Graduate Education (Issue No.2) 2561 B.E.
- Criteria and Operating Procedure for Thesis Publication

Forms

- Application Form for Dissertation/Thesis/I.S. Examination
- Progress Report of Study Form
- General Request Form
- Request Form for Changing Title of Dissertation/Thesis/I.S.

Thesis Printing Format

Master of Engineering Program
Logistics Engineering and Supply Chain Management
(2561 B.E.)

Curriculum Name

Master of Engineering Program in Logistics Engineering and Supply Chain Management

Name of degree

Master of Engineering (Logistics Engineering and Supply Chain Management)

M. Eng. (Logistics Engineering and Supply Chain Management)

Second Degree (For Double degree)

Master of Science (Industrial Engineering Logistics)

M.Sc. (Industrial Engineering Logistics)

Program structures

- Plan A Type A1 emphasizes only on research by doing master's Thesis for at least 36 credits.
- Plan A Type A2 emphasizes on research by doing master's Thesis of at least 12 credits and studying courses of at least 18 credits.
- Plan A Type A2 (Double degree) emphasizes on research by doing master's Thesis of at least 12 credits and studying courses of at least 18 credits.
- Plan B not less emphasizes on coursework by studying courses of at least 24 credits and doing independent study of at least 6 credits.

Duration of study

Normal study duration is 2 years, maybe extended a maximum of 5 years.

Qualification of student

Plan A Type A1

1. In accordance with the Chiang Mai University Regulation on Student Admissions in each academic year.
2. Graduated in Bachelor's degree of engineering or any related field depends on committee's consideration. GPA not less than 3.00 or have work experienced in a related field at least 2 years
3. Qualifications other than this shall be at the consideration of the Logistics Engineering and Supply Chain Program committee.

Plan A Type A2

1. In accordance with the Chiang Mai University Regulation on Student Admissions in each academic year.
2. Graduated in Bachelor's degree of engineering, science, agro-industry or any related field depends on committee's consideration.
3. Qualifications other than this shall be at the consideration of the Logistics Engineering and Supply Chain Program committee.

Plan A Type A2 (Double Degree)

Student from Chiangmai University

1. In accordance with the Chiang Mai University Regulation on Student Admissions in each academic year.
2. Graduated in Bachelor's degree of engineering or any related field depends on committee's consideration.
3. English language condition
 - TOEFL iBT score at least 80 or
 - IELTS score at least 6.0 or
 - Certificate of Proficiency in English / CPE level at least "C" or Cambridge Certificate of Advance English / CAE level at least "B" or
 - Chiang Mai University Electronic Test of English for Graduate Studies / CMU eTEGs score at least 80
 - Other English test certification which can be comparable

Student from Otto Von Guericke University Magdeburg (OVGU)

1. Graduated in Bachelor Program in “Wirtschaftsingenieur Logistik” from Otto Von Guericke University Magdeburg
2. English language condition
 - TOEFL iBT score at least 80 or
 - IELTS score at least 6.0 or
 - Certificate of Proficiency in English / CPE level at least “C” or Cambridge Certificate of Advance English / CAE level at least “B” or
 - Chiang Mai University Electronic Test of English for Graduate Studies / CMU eTEGs score at least 80
 - Other English test certification which can be comparable

Plan B

1. In accordance with the Chiang Mai University Regulation on Student Admissions in each academic year.
2. Graduated in Bachelor’s degree of engineering, science, agro-industry or any related field depends on committee’s consideration.
3. Qualifications other than this shall be at the consideration of the Logistics Engineering and Supply Chain Program committee.

Enrollment

1. Course enrollment in a regular semester shall **not be more than 15 credits** and the course that has been granted at least “B” shall not be able to reenroll. The enrollment failing to this condition shall be deemed void.
2. Student may enroll some course as a visitor for gaining knowledge by receiving study status letter “V”
3. A student enrolling for using facilities of the university without studying any coursework must pay the enrollment fee as announced by the university.
4. Coursework enrollment shall be some complying with the announcement of the university. If coursework enrollment is later than the specified date, the student shall be fined with the amount specified in the university regulation on tuition fee. Enrollment is complete after the tuition and any other fees have been paid and the university has received all required documents.

Enrollment after the specified period

In order to ensure the efficient operation of the enrollment process, Chiangmai University strictly operates refer to regulations and setting for exemption as special cases for enrollment, enrollment for use of the university service, for addition, withdrawal, or change of subject process after the period specified in the Education Calendar. As follows:

Unacceptable reason for enrollment

Reason	Action for enrollment
Student didn't enroll or pay tuition fee within specified period because student didn't check university academic calendar.	Unacceptable, student must follow university academic calendar.
Student didn't enroll within specified period because student do Thesis/I.S. examination without Thesis/I.S. course enrollment.	Unacceptable, student had been informed about Thesis/ I. S. examination procedure since the 1 st semester.
Student didn't know or didn't check that previous enrollment wasn't fulfilled with curriculum condition, then would like to enroll more after the specified period.	Unacceptable due to student had been informed about curriculum condition since the 1 st semester.
Wrong course enrollment	Unacceptable due to human error
Student didn't check on CRM50 after period of enrollment has ended, then assume that the enrollment was completed.	Unacceptable due to human error

Acceptable reason for enrollment (Unexpected situation)

Reason	Action for enrollment
The system or operation error was found.	Accept for enrollment with the document <ul style="list-style-type: none">- the statement of this situation from the related organization- properly additional documents- find the root cause and provide preventive action
Student's health problem or accident	Accept for enrollment with the document <ul style="list-style-type: none">- Doctor's certification

	<ul style="list-style-type: none"> - properly additional documents -find the root cause and provide preventive action
Student suffered a disaster	<p>Accept for enrollment with the document</p> <ul style="list-style-type: none"> - the statement of this situation from the related organization - properly additional documents -find the root cause and provide preventive action
Health problem of student' s parents or relative.	<p>Accept for enrollment with the document</p> <ul style="list-style-type: none"> - the statement of this situation from the related organization - properly additional documents -find the root cause and provide preventive action
Student is in process of intership, out-of-area working or stay aboard.	<p>Accept for enrollment with the document</p> <ul style="list-style-type: none"> - the statement of this situation from the related organization - properly additional documents -find the root cause and provide preventive action
Foreign student isn' t able to travel to campus as a schdule.	<p>Accept for enrollment with the document</p> <ul style="list-style-type: none"> - the statement of this situation from the related organization - properly additional documents -find the root cause and provide preventive action
Programme' s transfer student, late- joined student and student whos waiting for study- period extension approval	<p>Accept for enrollment with the document</p> <ul style="list-style-type: none"> - the statement of this situation from the related organization - properly additional documents -find the root cause and provide preventive action

Student misunderstand about curriculum courses due to curriculum is in process of revision	Accept for enrollment with the document - the statement of this situation from the related organization - properly additional documents - find the root cause and provide preventive action
Course addition, course enrollment more than regulation specified for graduation or prevent from being terminated student's status	Accept for enrollment with the document - the statement of this situation from the related organization - properly additional documents - find the root cause and provide preventive action

Acceptable reason for enrollment (Financial issue)

Reason	Action for enrollment
Financial problem issue	- the statement of this situation from the related organization - properly additional documents
Student Loan Fund's student or waiting for approval	- the statement of this situation from the related organization - properly additional documents
Error of money transfer or wrong payment which is cause by system	- the statement of this situation from the related organization - properly additional documents

Note : This table is refer to document no.6394(1)/๓54 on 3 July 2557 B.E. ; Application procedure for enrollment after specific period as a special case due to unexpected circumstances

Educational measurement and evaluation

Study evaluation for each course shall be reported by a letter which is classified into 3 groups, *i.e.*, study grade with a numerical value, study result, and study status that has not been evaluated or without evaluation.

Study grades are defined as follows

Grade letter	Meaning	Value
A	excellent	4.00
B+	very good	3.50
B	good	3.00
C+	fairly good	2.50
C	fair	2.00
D+	poor	1.50
D	very poor	1.00
F	failed	0.00

Study results are defined as follows

Result Letter	Meaning
S	satisfactory
U	unsatisfactory

Study status for course without evaluation or having not yet been evaluated are defined as follows

Status Letter	Meaning
I	incomplete
P	in progress
V	visiting
W	withdrawn
T	Thesis study in progress

For Graduated student of Industrial engineering department, students must be granted at least C or S in every required course, otherwise a reenrollment must be done until at least study grade C or S is granted.

The courses which are evaluated with letter "S" or "U"

1. 268797 Thesis
2. 268799 Thesis
3. 268798 Independent study

Double Degree Program student

Study grade between Otto Von Guericke University Magdeburg (OVGU) and Chiangmai University (CMU) as follows

OVGU	
Note	%
1 (very good)	95-100%
1,3 (very good)	90-94%
1,7 (good)	85-89%
2 (good)	80-84%
2,3 (good)	75-79%
2,7 (satisfactory)	70-74%
3 (satisfactory)	65-69%
3,3 (satisfactory)	60-64%
3,7 (sufficient)	55-59%
4 (sufficient)	50-54%
5 (insufficient = failed)	< 50%

CMU	
Note	%
A (excellent)	81-100%
B+ (very good)	76-80%
B (good)	71-75%
C+ (fairly good)	66-70%
C (fair)	61-65%
D+ (poor)	56-60%
D (very poor)	50-55%
F (failed)	< 50%

2. Graduation qualification

According to Chiang Mai University Regulation on Graduate Education 2559 B.E.

Plan A Type A1 : Research 36 credits

1. Having fulfilled all the conditions specified in the curriculum
2. Having passed a foreign language conditions by examination or any other methods specified by graduated school.
3. Having passed Thesis evaluation examination.
4. The whole or part of a Thesis (1) must be accepted/published in national journal(s) with TCI Tier 1 or international journal(s) accepted in the field at least 1 full academic paper and (2) presented in a national conference with a full paper submission and accepted/published in a proceeding which have an editorial board at least 1 full academic paper or in compliant with Announcement of Graduate School, Chiang Mai University. Both papers must have the student name as first author, and have to be written and published in English language.
5. Having qualifications complying with university regulation on student' s honor and glory determination to graduate a degree or diploma of the university.

Plan A Type A2 (For regular program and double degree program)

1. Having studied courses and fulfilled all the conditions specified in the curriculum
2. Having passed a foreign language conditions by examination or any other methods specified by graduated school.
3. Having received grade point average of all courses at least 3.00 and grade point average of courses in specific field at lease 3.00.
4. Having passed Thesis evaluation examination.
5. The whole or part is published in compliant with announcement of Graduate School, Chiang Mai University **or** published or at least accepted to be published in international journal or national journal in the TCI Tier 1 database **or** published with full paper in a proceeding of international conference that is accepted in the research field or published with full paper in a proceeding of national conference at Industrial Engineering Network (IE Network), Operations Research Network of Thailand (OR-NET) or Thai Value Chain Management & Logistics Conferenced (Thai VCML). The paper must have a student as first author and must be written and published in English language.
6. Having qualifications complying with university regulation on student' s honor and glory determination to graduate a degree or diploma of the university.

Plan B

1. Having studied courses and fulfilled all the conditions specified in the curriculum
2. Having passed a foreign language conditions by examination or any other methods specified by graduated school.
3. Having passed comprehensive examination
4. Having received grade point average of all courses at least 3.00 and grade point average of courses in specific field at least 3.00.
5. At least 1 independent study work or part of independent study work must be published in CMU Graduate Journal or in other academic publication approved by field of study and the graduate school with the student as the first author and/or compliant with Announcement of Graduate School, Chiang Mai University.
6. Having qualifications complying with university regulation on student's honor and glory determination to graduate a degree or diploma of the university.

Enrollment and study plan for Double degree student

Students have to enroll for study at Home University first then enrolled for study at least one basic semester in Host University

Regular study plan for students from CMU as follows

Semester	1. SS (Summer)	2. WS (Winter)	3. SS (Summer)	4. WS (Winter)
Period	Jun – Oct	Nov - Mar	Jun – Oct	Nov - Mar
Location	CMU	OVGU	CMU/OVGU	CMU/OVGU

In first semester, student have to attend master's degree of Logistics Engineering and Supply Chain Program at CMU at least 5 courses or at least 15 credit points (= 30 ETCS CP OVGU)

In second semester, student travel to attend “Wirtschaftsingenieur Logistik” at Otto Von Guericke University Magdeburg, Germany. Student must study at least 30 ETCS CP OVGU (= 15 CP CMU)

During the third and fourth semesters, students must compose and publish the whole or part of his/her Thesis in either a national or international publication, or participate in an international conference with a publication of a full paper in the conference proceeding. The publication must have student's name as a first author and the publication must be written in English language. This is required for the Thai degree. It is the student's choice whether to produce the Thesis at OVGU or at CMU. (details as Table 1)

Regular study plan for students from OVGU as follow

Semester	1. SS (Summer)	2. WS (Winter)	3. SS (Summer)
Period	Mar – Jun	Aug – Dec	Mar - Jun
Location	OVGU	CMU	CMU/OVGU

In first semester, student have to attend “Wirtschaftsingenieur Logistik” at Otto Von Guericke University Magdeburg, Germany. Student must study at least 30 ETCS CP OVGU (= 15 CP CMU)

In second semester, student travel to attend master’ s degree of Logistics Engineering and Supply Chain Program at CMU at least 5 courses or at least 15 credit points (= 30 ETCS CP OVGU)

During the third and fourth semesters, students must compose and publish the whole or part of his/her Thesis in either a national or international publication, or participate in an international conference with a publication of a full paper in the conference proceeding. The publication must have student’s name as a first author and the publication must be written in English language. This is required for the Thai degree. It is the student’s choice whether to produce the Thesis at OVGU or at CMU. (details as Table 2)

Table 1 Regular study plan for double degree students from CMU

	Modules	1. Semester	2. Semester	3. Semester	4. Semester
		ECTS / CP	ECTS / CP	ECTS / CP	ECTS / CP
1.	Core Modules CMU				
1.1	Research Methodology	X 6 / 3			
1.2	Logistics System Modeling	X 6 / 3			
2.	Elective Modules CMU				
2.1	Inventory Theory	X 6 / 3			
2.2	Decision Making for Logistics and Supply	X 6 / 3			
2.3	Trading and International Logistics	X 6 / 3			
3.	Core Modules OVGU				
3.1	Logistics Networks Management		x 5 / 2.5		
3.2	Supply Chain Coordination		x 5 / 2.5		
3.3	Team or individual project		x 6 / 3		
4.	Elective Modules OVGU				
4.1	Compulsory Elective Economic Sciences		x 6 / 3		
4.2	Telematics and Ident Technologies		x 5 / 2.5		
4.3	Compulsory Elective Technology and Management		x 5 / 2.5		
5.	Other Modules				
5.1	Elective language course "German as a second language"		x 0 / 0		
5.2	International Publication			X 0 / 0	
6.	Creation of Master Thesis				
6.1	Master Thesis + Colloquium				x 30 / 12
	Total ECTS / CP	30 / 15	32 / 16	0	30 / 12

OVGU
CMU
OVGU or CMU

Table 2 Regular study plan for double degree students from Otto von Guericke University Magdeburg

	Modules	1. Semester	2. Semester	3. Semester	OVGU
		ECTS / CP	ECTS / CP	ECTS / CP	CMU
1.	Core Modules OVGU				OVGU or CMU
1.1	Logistics Planning and VR Module A	x 5 / 2.5			
1.2	Logistics Planning and VR Module B	x 5 / 2.5			
1.3	Strategies and Methods in Logistics	x 6 / 3			
1.4	Engineering Economics	x 6 / 3			
2.	Elective Modules OVGU				
2.1	Methods of Operations Research	x 6 / 3			
2.2	Practice Module Planning	x 5 / 2.5			
3.	Core Modules CMU				
3.1	Operations Management		x 6 / 3		
3.2	Information Technology for Logistics		x 6 / 3		
3.3	Supply Chain and Logistics Management		x 6 / 3		
4.	Elective Modules CMU				
4.1	Special Topic in Engineering Logistics		x 6 / 3		
4.2	Performance Measurement for Logistics and Supply Chain Management		x 6 / 3		
5.	Other Modules				
5.2	Elective language course "Thai as a second language"		x 0 / 0		
5.3	International Publication			x 0 / 0	
6.	Creation of Master Thesis				
6.1	Master Thesis + Colloquium			x 30 / 12	
	Total ECTS / CP	33 / 16.5	30 / 15	30 / 12	

Student status termination

Student status termination may be caused by the following cases

1. Dead
2. Resignation
3. Transfer to ote university
4. Lack of one of qualifications or conditions of applicant to enroll as a student as specified in no.6
5. Having not enrolled any course within the time specified by the university without maintaining the student status within 30 days from first date of regular semester.
6. Having rerolled a program for a maximum duration specified in university regulation from the first date of first regular semester of enrollment.
7. Study result with grade point average of less than 2.75 when having enrolled every 2 regular semesters.
8. Thesis title and proposal has not been approved within 2 academic years.
9. Having enrollment for 2 regular semesters without any credit earned, except the program with Thesis only.
10. Having failed comprehensive examination as specified by the university.
11. Having been graduated.
12. Having been terminated by the university.

*****Refer to Chiang Mai University Regulation on Graduate Education 2559 B.E.*****

Taking leave

1. Student taking leave or having been suspended a semester or whole academic year must pay the fee for maintaining student status, except the semester that have enrolled with the tuition fee paid.
2. Student wishing to resign from student status may request for a resignation to the graduate school. When the resignation has been approved the student status is terminated.

Contact of Instructor in Department of Industrial Engineering

	Name	Graduation	Email
1	Assoc.Prof.Dr.Chonnanath Kritworakarn	Management of Technology	chonnanath.krit@gmail.com
2	Assoc.Prof.Dr.Nivit Charoenchai	Mechanical and Manufacturing Engineering	xnivit@gmail.com
3	Assoc.Prof.Dr.Apichat Sopadang	Industrial Engineering	sopadang@gmail.com
4	Assoc.Prof.Dr.Wichai Chattinnawat	Industrial Engineering	chattinw@gmail.com
5	Assoc.Prof.Dr.Wassanai Wattanutchariya	Industrial Engineering	wattanwa@gmail.com
6	Assoc.Prof.Dr.Komgrit Leksakul	Industrial Engineering	komgrit@eng.cmu.ac.th
7	Assoc.Prof.Dr.Wimalin Laosiritaworn	Manufacturing Engineering and Operations Management	wimalin@hotmail.com
8	Assoc.Prof.Dr.Sate Sampattagul	Mechanical Engineering	sate@eng.cmu.ac.th
9	Assoc.Prof.Dr.Rungchat Chompu-inwai	Industrial and Manufacturing Engineering	rungchatc@hotmail.com
10	Assoc.Prof.Dr.Sakgasem Ramingwong	Advanced Manufacturing System Engineering	sakgasem@gmail.com
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26	Dr.Rattapol Pinnarattip	Biomedical Engineering	ratt.pinn@gmail.com
27	Dr.Tinnakorn Phongthiya	Science, Technology and Innovation Policy	tinnakorn@step.cmu.ac.th

Studying Plan

Plan A Type A 1

Degree Requirements

Total : 36 credits

Circulum Structure

A. Thesis 36 credits

268797 Thesis 36 credits

B. Non-credit courses

1. Graduated School requirement : A foreign language

2. Program requirement : None

(1) A student who graduated another field and has not had enough background knowledge on Industrial Engineering must enroll and pass the Industrial Engineering preparation classes which will be assigned by program committees.

(2) A student have to be trained in topics of Industrial Engineering Research Methodology for Logistics (268735) and Academic Writing before proposing Thesis proposal.

C. Academic activities

1. A student has to organize and present paper in a seminar on the topic related to his/her Thesis once every semester for at least three semesters and students have to attend seminar every semester that the course is offered.

2. The whole or part of a Thesis (1) must be accepted/published in national journal(s) with TCI Tier 1 or international journal(s) accepted in the field at least 1 full academic paper and (2) presented in a national conference with a full paper submission and accepted/published in a proceeding which have an editorial board at least 1 full academic paper or in compliant with Announcement of Graduate School, Chiang Mai University. Both papers must have the student name as first author, and have to be written and published in English language.

3. A student has to report Thesis progression to the Graduate School every semester, for approval of the Chairman of the Graudate Study Committee.

Plan A Type A1

1st year

1 st semester		credits	2 nd semester		credits
	Enrollment for university service	-	268797	Master's Thesis	12
	Pass English language condition	-		Organize seminar and present paper	-
	Organize seminar and present paper	-		Proposal presentation	-
	Total	-		Total	12

2nd year

1 st semester		credits	2 nd semester		credits
268797	Master's Thesis	12	268797	Master's Thesis	12
	Organize seminar and present paper	-		Organize seminar and present paper	-
				Thesis presentation	-
	Total	12		Total	12

Total 36 credits

Plan A Type A 2

Degree Requirements

Total : a minimum of 36 credits

Circulum Structure

A. Coursework	a minimum of	24	credits
1. Graduate courses	a minimum of	24	credits
1.1 Field of concentration courses	a minimum of	24	credits
1.1.1 Required courses (English)		12	credits
255734 Operations Management		3	credits
268735 Research Methodology for Logistics		3	credits
255771 Supply Chain and Logistics Management		3	credits
268741 Logistics System Modelling		3	credits
1.1.2 Elective courses (Thai or English)	a minimum of	12	credits
Group of Quality Control and Management			
255712 Entrepreneurship		3	credits
255714 Industrial Environment Impact Assessment		3	credits

255720	Quality Management	3	credits
255730	Management of Technology	3	credits
255738	Concurrent Engineering	3	credits
255739	Data-Mining Techniques for Industrial Applications	3	credits
255746	Industrial System Simulation	3	credits
255749	Artificial Intelligence Techniques in Manufacturing	3	credits
255750	Innovation Management and New Product Development	3	credits
255783	Design and Analysis or Quality Improvement	3	credits
255786	Special Topic in Quality Management	3	credits
255791	Special Topic in Industrial Engineering 1	3	credits
Group of Logistics and Supply Chain Management			
255721	Inventory Theory	3	credits
255764	Distribution Engineering	3	credits
255766	Information Technology for logistics	3	credits
255769	Trading and International Logistics	3	credits
255772	Special Topic in Engineering Logistics	3	credits
268710	Inter-Organization Information Exchange for Logistics	3	credits
268711	Logistics System for Social Development	3	credits
268721	Performance Measurement for Logistics and Supply Chain Management	3	credits
268731	Warehouse Design and Operations	3	credits
268732	Financial Management for Logistics and Supply Chain Systems	3	credits
268742	Decision Making for Logistics and Supply Chain Management	3	credits
268751	Geographic Information Systems for Logistics	3	credits
268765	Enterprise Resource Planning for Logistics Management	3	credits

Group of Aviation Management

268761	Developing Professionalism and Ethics in Aviation Business	3	credits
268762	Supply Chain and Logistics Management in Aviation Industry	3	credits
268763	Multiple Criteria Decision Making in Aviation Business	3	credits
268764	Quantitative Analysis for Aviation Management	3	credits

1.2 Other courses - none-

2. Advanced undergraduate courses - none-

B. Thesis (Thai or English) 12 credits

268799 Thesis 12 credits

C. Non-credit courses

1. Graduate School requirement : A foreign language
2. Program requirement :

A student who graduated another field and has not had enough background knowledge on Industrial Engineering must enroll and pass the Industrial Engineering preparation classes which will be assigned by program committees.

D. Academic activities

1. A student has to organize and present paper in a seminar on the topic related to his/her Thesis once every semester for at least three semesters and students have to attend seminar every semester that the course is offered.
2. The whole or part of a Thesis is published in compliance with announcement of Graduate School, Chiang Mai University or published or at least accepted to be published in international journal or national journal in the TCI Tier 1 database **or** published with full paper in a proceeding of international conference that is accepted in the research field or published with full paper in a proceeding of national conference at Industrial Engineering Network (IE Network), Operations Research Network of Thailand (OR-NET) or Thai Value Chain Management & Logistics Conference (Thai VCML). The paper must have a student as first author and must be written and published in English language.

3. A student has to report Thesis progression to the Graduate School every semester which approved by the Chairman of the Graduate Study Committee.

A student has to report Thesis progression to the Graduate School every semester, for approval of the Chairman of the Graduate Study Committee.

Plan A Type A2

1st year

1 st semester		credits	2 nd semester		credits
255734	Operations Management	3	268735	Research Methodology for Logistics	3
255771	Supply Chain and Logistics Management	3	268741	Logistics System Modelling	3
	Elective courses	3		Elective courses	3
				Pass English language condition	
	Total	9		Total	9

2nd year

1 st semester		credits	2 nd semester		credits
268799	Master's Thesis	6	268799	Master's Thesis	6
	Elective courses	6		Thesis presentation	-
	Proposal presentation			Seminar	-
	Seminar				
	Total	12		Total	6

Total 36 credits

Plan A Type A 2 (Double Degree Programme)

Degree Requirements

Total : a minimum of 36 credits

Circulum Structure

A. Coursework a minimum of 24 credits

1. Graduate courses a minimum of 24 credits

1.1 Field of concentration courses a minimum of 24 credits

1.1.1 Required courses (English) 12 credits

255734 Operations Management 3 credits

268735 Research Methodology for Logistics 3 credits

255771 Supply Chain and Logistics Management 3 credits

268741 Logistics System Modelling 3 credits

For the double degree programme, required courses could be taken in both Chiang Mai University and Otto-Von-Guericke University for equivalent courses.

1.1.2 Elective courses (Thai or English)	a minimum of	12 credits
Group of Quality Control and Management		
255712	Entrepreneurship	3 credits
255714	Industrial Environment Impact Assessment	3 credits
255720	Quality Management	3 credits
255730	Management of Technology	3 credits
255738	Concurrent Engineering	3 credits
255739	Data-Mining Techniques for Industrial Applications	3 credits
255746	Industrial System Simulation	3 credits
255749	Artificial Intelligence Techniques in Manufacturing	3 credits
255750	Innovation Management and New Product Development	3 credits
255783	Design and Analysis or Quality Improvement	3 credits
255786	Special Topic in Quality Management	3 credits
255791	Special Topic in Industrial Engineering 1	3 credits
Group of Logistics and Supply Chain Management		
255721	Inventory Theory	3 credits
255764	Distribution Engineering	3 credits
255766	Information Technology for logistics	3 credits
255769	Trading and International Logistics	3 credits
255772	Special Topic in Engineering Logistics	3 credits
268710	Inter-Organization Information Exchange for Logistics	3 credits
268711	Logistics System for Social Development	3 credits
268721	Performance Measurement for Logistics and Supply Chain Management	3 credits
268731	Warehouse Design and Operations	3 credits

268732	Financial Management for Logistics and Supply Chain Systems	3	credits
268742	Decision Making for Logistics and Supply Chain Management	3	credits
268751	Geographic Information Systems for Logistics	3	credits
268765	Enterprise Resource Planning for Logistics Management	3	credits
Group of Aviation Management			
268761	Developing Professionalism and Ethics in Aviation Business	3	credits
268762	Supply Chain and Logistics Management in Aviation Industry	3	credits
268763	Multiple Criteria Decision Making in Aviation Business	3	credits
268764	Quantitative Analysis for Aviation Management	3	credits

For the double degree programme, elective courses could be taken in both Chiang Mai University and Otto-Von-Guericke University for equivalent courses.

1.2 Other courses - none-

2. Advanced undergraduate courses - none-

B. Thesis (English) 12 credits

268799 Thesis 12 credits

C. Non-credit courses

1. Graduate School requirement: : A foreign language
2. Program requirement:

A student who graduated another field and has not had enough background knowledge on Industrial Engineering must enroll and pass the Industrial Engineering preparation classes which will be assigned by program committees.

D. Academic activities

1. A student has to organize and present paper in a seminar on the topic related to his/her Thesis once every semester for at least two semesters and students have to attend seminar every semester that the course is offered.
2. The whole or part is published in compliance with announcement of Graduate School, Chiang Mai University or published or at least accepted to be published in international journal or national journal in the TCI Tier 1 database or published with full paper in a proceeding of international conference that is accepted in the research field or published with full paper in a proceeding of

national conference at Industrial Engineering Network (IE Network), Operations Research Network of Thailand (OR-NET) or Thai Value Chain Management & Logistics Conferenced (Thai VCML). The paper must have a student as first author and must be written and published in English language.

3. A student has to report Thesis progression to the Graduate School every semester, for approval of the Chairman of the Graduate Study Committee.

Plan A Type A2 (Double Degree)

Student from Chiangmai University

1st year

1 st semester Study at CMU		Credit	2 nd semester Study at OvGU		Credit
255735	Research Methodology for Logistics	3	268734	Operations Management	3
255741	Logistics System Modelling	3	268771	Supply Chain and Logistics Management	3
	Elective courses	6		Elective courses	6
				Proposal presentation	-
				Seminar	
	Total	12		Total	12

2nd year

1 st semester		Credit	2 nd semester		Credit
268799	Master's Thesis	6	268799	Master's Thesis	6
	Seminar	-		Thesis presentation	-
				Seminar	-
	Total	6		Total	6

Student from OVGU

1st year

1 st semester Study at CMU		Credit	2 nd semester Study at OvGU		Credit
255735	Research Methodology for Logistics	3	268734	Operations Management	3
255741	Logistics System Modelling	3	268771	Supply Chain and Logistics Management	3
	Elective courses	6		Elective courses	6
				Proposal presentation	-
				Seminar	-

	Total	12		Total	12
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2nd year

1 st semester		Credit
268799	Master's Thesis	12
	Seminar	-
	Thesis presentation	
	Total	12

Plan B

a minimum of 36 credits

Degree Requirements

A. Coursework

a minimum of 30 credits

1. Graduate Course

a minimum of 30 credits

1.1 Field of Specialization

a minimum of 30 credits

1.1.1 Required courses

12 credits

255734 Operations Management

3 credits

255771 Supply Chain and Logistics Management

3 credits

268735 Research Methodology for Logistics

3 credits

268741 Logistics System Modelling

3 credits

1.1.2 Elective courses

a minimum of 18 credits

Group of Quality Control and Management

255712 Entrepreneurship

3 credits

255714 Industrial Environment Impact Assessment

3 credits

255720 Quality Management

3 credits

255730 Management of Technology

3 credits

255738 Concurrent Engineering

3 credits

255739 Data-Mining Techniques for Industrial Applications

3 credits

255746 Industrial System Simulation

3 credits

255749 Artificial Intelligence Techniques in Manufacturing

3 credits

255750 Innovation Management and New Product Development

3 credits

255783 Design and Analysis or Quality Improvement

3 credits

255786 Special Topic in Quality Management

3 credits

255791 Special Topic in Industrial Engineering 1

3 credits

Group of Logistics and Supply Chain Management

255721	Inventory Theory	3	credits
255764	Distribution Engineering	3	credits
255766	Information Technology for Logistics	3	credits
255769	Trading and International Logistics	3	credits
255772	Special Topic in Engineering Logistics	3	credits
268710	Inter-Organization Information Exchange for Logistics	3	credits
268711	Logistics System for Social Development	3	Credits
268721	Performance Measurement for Logistics and Supply Chain Management	3	credits
268731	Warehouse Design and Operations	3	credits
268732	Financial Management for Logistics and Supply Chain System	3	credits
268742	Decision Making for Logistics and Supply Chain Management	3	credits
268751	Geographic Information Systems for Logistics	3	credits
268765	Enterprise Resource Planning for Logistics Management	3	credits

Group of Aviation Management

268761	Developing Professionalism and Ethics in Aviation Business	3	credits
268762	Supply Chain and Logistics Management in Aviation Industry	3	credits
268763	Multiple Criteria Decision Making in Aviation Business	3	credits
268764	Quantitative Analysis for Aviation Management	3	credits

1.2 Other courses

2. Advanced Undergraduate Courses

B. Thesis **6 credits**

268798 Independent Study 6 credits

C. Non-credits Courses

1. Graduate School requirement: a foreign language

2. Program requirement:

A student who graduated other than Industrial Engineering (IE) and has not had enough background knowledge on IE must enroll and pass the IE preparation classes which will be assigned by program committees.

D. Academic Activities

At least 1 independent study work or part of independent study work must be published in CMU Graduate Journal or in other academic publication approved by field of study and the graduate school with the student as the first author and/or compliant with Announcement of Graduate School, Chiang Mai University.

E. Comprehensive Examination

Having submitted a request form to the Graduate School, approved by general advisor or major Thesis advisor, a student must then complete a comprehensive examination.

Plan B

1st year

1 st semester		Credit	2 nd semester		credit
255734	Operations Management	3	268735	Research Methodology for Logistics	3
255771	Supply Chain and Logistics Management	3	268741	Logistics System Modelling	3
	Elective courses	6		Elective courses	6
	Total	12		Total	12

2nd year

1 st semester		หน่วยกิต	2 nd semester		หน่วยกิต
268798	Independent study	3	268798	Independent study	3
	Elective courses	6		I.S. presentation	-
	Proposal presentation	-		Comprehensive test	-
				Pass English language condition	-
	Total	9		Total	3

Total 36 credits

Curriculum courses

1. Required courses	Credit
255734 Operations Management	3(3-0-6)
255735 Research Methodology	3(3-0-6)
255771 Supply Chain and Logistics Management	3(3-0-6)
268741 Logistics System Modelling	3(3-0-6)
2. Elective courses	Credit
Group of Quality Control and Management	
255712 Entrepreneurship	3(3-0-6)
255714 Industrial Environment Impact Assessment	3(3-0-6)
255720 Quality Management	3(3-0-6)
255730 Management of Technology	3(3-0-6)
255738 Concurrent Engineering	3(3-0-6)
255739 Data Mining Techniques for Industrial Applications	3(3-0-6)
255749 Artificial Intelligence Techniques in Manufacturing	3(3-0-6)
255750 Innovation Management and New Product Development	3(3-0-6)
255746 Industrial System Simulation	3(3-0-6)
255783 Design and Analysis or Quality Improvement	3(3-0-6)
255786 Special Topic in Quality Management	3(3-0-6)
255791 Special Topic in Industrial Engineering 1	3(3-0-6)
Group of Logistics and Supply Chain Management	
255721 Inventory Theory	3(3-0-6)
255764 Distribution Engineering	3(3-0-6)
255766 Information Technology for Logistics	3(3-0-6)
255769 Trading and International Logistics	3(3-0-6)
255772 Special Topic in Engineering Logistics	3(3-0-6)
268710 Inter-Organization Information Exchange for Logistics	3(3-0-6)
268711 Logistics System for Social Development	3(3-0-6)
268721 Performance Measurement for Logistics and Supply Chain Management	3(3-0-6)
268731 Warehouse Design and Operations	3(3-0-6)

268732	Financial Management for Logistics and Supply Chain Systems	3(3-0-6)
268742	Decision Making for Logistics and Supply Chain Management	3(3-0-6)
268751	Geographic Information Systems for Logistics	3(3-0-6)
268765	Enterprise resource planning for Logistics Management	3(3-0-6)

Group of Aviation Management

268761	Developing Professionalism and Ethics in Aviation Business	3(3-0-6)
268762	Supply Chain and Logistics Management in Aviation Industry	3(3-0-6)
268763	Multiple Criteria Decision Making in Aviation Business	3(3-0-6)
268764	Quantitative Analysis for Aviation Management	3(3-0-6)

3. Thesis

268797	Thesis	36 credits
268799	Thesis	12 credits
268798	Independent Study	6 credits

Course description

255712 Entrepreneurship 3(3-0-6)

Prerequisite: as instructor approved

Concept and principle of enterprise, business management, resources requirement, personnel management, marketing plan sales promotion, funding resources, financial report and management, technology acquisition, and commercial laws

255714 Industrial Environment Impact Assessment 3(3-0-6)

Prerequisite: as instructor approved

Principle of industrial environment impact assessment. Environment analysis in the Aspects of physical, biological, human uses and quality of life. Assessment techniques and prevention remedy of environment impact. Environment laws

255720 Quality Management 3(3-0-6)

Prerequisite: as instructor approved

Principles and practices of the total field of quality in industry. Quality control, quality assurance, statistical quality control. Method of quality improvement. Concepts of cost of quality, financial evaluation of quality, Benchmarking techniques, Reliability concepts, System reliability evaluation, concurrent product and process design, quality engineering using experimental design

255721 Inventory Theory 3(3-0-6)

Prerequisite: as instructor approved

Principles of Inventory system, economics order. Quantity and economics manufacturing quantity. re-order point analysis, safety theory, material requirements planning, just in time system and inventory management system

255730 Management of Technology 3(3-0-6)

Prerequisite: as instructor approved

Research and development, innovations, dominant designs and standards, management of technology, infrastructure of science and technology, technological forecasting and planning, integration of technology strategies and marketing strategies and environment, and sustainable economy

255750 Innovation Management and New Product Development 3(3-0-6)

Prerequisite: as instructor approved

Innovation management and economic impact, intellectual properties management, management of organization innovation knowledge, research and development (R&D) , technology transfer and open innovation, service innovation, design of new product, management of new product development, assessment of new product development performance, packaging development

255764 Distribution Engineering 3(3-0-6)

Prerequisite: None

Transportation and goods distribution, impact of distribution system on supply chain, site selection, design of transportation systems, plant layout, design of material handling system, distribution alternative, design of effective distribution route

255766 Information Technology for Logistics 3(3-0-6)

Prerequisite: None

Principle of information technology for logistics management, analysis, design, test, application and maintenance of information system. Data capture, bar code and radio frequency identification, Electronic Data Exchange (EDI), internet and intranet, e-commerce for logistics management

255769 Trading and International Logistics 3(3-0-6)

Prerequisite: None

International business and logistics management relationships, logistics strategies in global marketing, international trading laws, international distribution channels

255771 Supply Chain and Logistics Managemet 3(3-0-6)

Prerequisite: None

Integration of supply chain management and logistics relating to flow of material and information starting from first producer to end customer in order to increase value of product and service. Strategies for supply chain management, material procurement, production, inventory management, distribution, evaluation of supply chain management

255772 Special Topic in Engineering Logistics 3(3-0-6)

Prerequisite: None

Study the results of research of engineering logistics. Discussion in logistics, transportation, supply chain problems and countermeasures of these problems

255783 Design and Analysis or Quality Improvement 3(3-0-6)

Prerequisite: None

Applications of design of experiments for industrial engineering. Key principles of experimental design, choice of the factors and choice of sample sizes, design of experiments for single factor, factorial experiment design, confounding, 2K experimental design, Process optimization through Response Surface Methodology (RSM), Nested designs.

255786 Special Topic for Quality Management 3(3-0-6)

Prerequisite: None

Study of the updated and interesting topics in quality management systems

255791 Special Topic in Industrial Engineering 1 3(3-0-6)

Prerequisite: as instructor approved

Study of the updated and interesting topics in industrial engineering to plan, control, and improve productivity and quality

268710 Inter-Organization Information Exchange for Logistics 3(3-0-6)

Prerequisite: 255766

Introduction and Basic Knowledge of Inter-organisation Information Exchange for Logistics Activities. Inter-organisation Relationships and Database Systems. Development of Organization Standard. Development of Inter-organisation Standards. Concepts of Information Exchange Using Web-Based System and Standards. Basic Use of Open Standard for Inter-Organization Information Transfer (RosettaNet). Business Information Exchange Using ebXML. Strategies for the Development of Inter-organisation Standards

268711 Logistics System for Social Development 3(3-0-6)

Prerequisite: 255771

Logistics System for Country Development. Macroeconomic and Public Policy. Macro-scale Logistics System Evaluation. Logistics Strategies for Public Policies

268721 Performance Measurement for Logistics and Supply Chain Management 3(3-0-6)

Prerequisite: None

Roles of Performance Measurement. Dimensions of Performance Indicators. Traditional Measurement. Approaches/Tools for Performance Measurement. Measurement of Logistics Cost and Potential. Measurement of Customer Satisfaction. Supply Chain Performance Indicators. Financial Assessment. Supply Chain Performance Benchmarking. Performance Measurement and Evaluation for Global Supply Chain. Impediments in Performance Improvement

268731 Warehouse Design and Operations 3(3-0-6)

Prerequisite: None

Fundamental Operations in Warehousing Including Roles of Warehouse, Layout and Facility Design. Warehouse Technology for Inventory Control Systems. Modern Warehouse Operation Concept. Product Classification. Tools for Materials Handling, Moving and Shelving. Automated Storage and Retrieval Systems (AS/RS). Information Technology System for Warehouse Operations. Health and Safety Issues in Warehouse

268732 Financial Management for Logistics and Supply Chain Systems 3(3-0-6)

Prerequisite: None

Analysis and Interpretation of Financial Statements in Supply Chain. Cost Behavior Analysis. Profit Analysis. Budget Preparation and Control. Pricing Techniques and Cost Analysis for Supply Chain Management and logistics. Divisional/ Segmental Performance Measurement. Financial Potential Evaluation. Stakeholder Investment. Risk and Business Uncertainty Analysis

268735 Research Methodology for Logistics Management 3(3-0-6)

Prerequisite: None

Definition and objectives of research, characteristics of industrial research, research methodology, literature review, proposal writing, Data collection, statistical data analysis evaluation and synThesis of data, research writing research evaluation.

268762 Supply Chain and Logistics Management in Aviation Industry 3(3-0-6)

Prerequisite: as department approved

Introduction, the Roles of logistics management in aviation industry, demand forecasting in aviation industry, vendor and contract management for aviation industry inventory management, stock management for airline business, maintenance repair and operation (MRO) management for aviation industry, CRM in aviation industry, IT management for aviation industry, benchmarking and planning of supply chain activities for aviation, case study: The examination of aircraft supply chain, current and future research in aviation industry's supply chain

268763 Multiple Criteria Decision Making in Aviation Business 3(3-0-6)

Prerequisite: as department approved

Aviation business and related decision making, multiple criteria decision making techniques, criteria selection for decision making, criteria weighting techniques, alternatives screening techniques, qualitative multiple criteria decision techniques, decision making under uncertainty, case studies in multiple criteria decision making in aviation business

268764 Quantitative Analysis for Aviation Management 3(3-0-6)

Prerequisite: as department approved

Airport capacity and delay analysis, simulation model in airport, forecasting and airport management, aviation connectivity analysis, airport connectivity analysis model, direct and indirect connectivity, aviation management case studies

268765 Enterprise resource planning for Logistics Management 3(3-0-6)

Prerequisite: as department approved

Introduction to enterprise system for management, enterprise system integration, enterprise system architecture, enterprise system architecture, development of life cycle implementation strategies, software and vendor selection, operations program and project management, organization change and business process reengineering, supply chain and customer relationship management, sale order process and invoice Enterprise resource systems application.

- 268797 **Master's Thesis** **36 credits**
Prerequisite: Having approved Thesis title or in process of enrollment for Thesis title approval
- 268798 **Independent Study** **6 credits**
Prerequisite: Having approved Thesis title or in process of enrollment for Thesis title approval
- 268799 **Master's Thesis** **12 credits**
Prerequisite: Having approved Thesis title or in process of enrollment for Thesis title approval

Guideline for doing Thesis/I.S. in Master's degree

Order	Guideline for doing Thesis/I.S.
1	<p>Thesis/I.S. title and proposal approval (more detail on page 40)</p> <ol style="list-style-type: none"> 1. Having passed required course not less than 6 credits 2. For Type A students, having passed foreign language condition.
2	<p>Enrollment for Thesis/I.S. (more detail on page 43)</p> <p>There's 2 ways of enrollment for student</p> <ol style="list-style-type: none"> 1. Enrolled in the next semester after passed the Thesis/I.S. proposal 2. Enrolled for Thesis/I.S. and doing Thesis/I.S. in the same
3	<p>Comprehensive examination for Type B students (more detail on page 43)</p> <ol style="list-style-type: none"> 1. Having studied all courses as specified in the curriculum and graded at least C in required courses. 2. Apply for comprehensive examination at department's admin
4	<p>Requested for Thesis/I.S. Examination (more detail on page 44)</p> <ol style="list-style-type: none"> 1. Having studied all courses as specified in the curriculum and passed all preparation courses. 2. Student consult with advisor and committee for examination date 3. Send requested form to department's admin at least 2 weeks before examination date. 4. Re-confirmed for examination 3 days before examination date 5. Process on Thesis/I.S. examination 6. Report the examination result to graduated school within 7 days after examination ended.
5	<p>Thesis/I.S. Examination (more detail on page 46)</p>
6	<p>Documents submission procedure for Graduation (more detail on page 47)</p>

1. Thesis/I.S. title and proposal approval

Students can do Thesis/I.S. title and proposal examination when

1. Having passed required course not less than 6 credits
2. For Type A students, having passed foreign language condition.

Thesis/I.S. title and proposal approval procedure

Before Thesis/I.S. title and proposal examination, student have to send proposal for department's committee reviewing first

1. Student's proposal should be reviewed and approved by advisor before send to department's committee review. 2 Copies of proposal should be printed and signed by advisor at the first page and send to department's admin. It will take around a week for committee review, then student have to edit proposal refer to comments with in 2 weeks.
2. After proposal has been edited refer to committee's comments, advisor should check and send back to committee for approval. If there's no other comment, the committee will sign on document back to student.
3. Student can request for Thesis/I.S. title and proposal examination.

Students can do Thesis/I.S. title and proposal examination when

- Having passed required course not less than 6 credits
- Thesis/I.S. advisor approved proposal for doing examination

(In case of student's Thesis/I.S. title and proposal isn't approved by graduated school's committee within 2 academic years, the student's status will be terminated)

Step 1

Request for Thesis/I.S. title and proposal examination

1. Student fill request form for Thesis/I.S. title and proposal examination (Download at www.ie.eng.cmu.ac.th) and get approval signature from advisor.
2. Please contact all examiners to appoint the examination date. The examiners are (1) student's advisor, (2) advisor's selected examiner and (3) department's selected examiner which is informed during department's proposal review process.
3. Send request form with full proposal in correct format to department's admin at least 2-3 weeks before examination date otherwise examination may be cancelled.

Step 2

Student consult with advisor in case need more suggestions and prepare for examination.

Step 3

Examination process

On examination date, student should standby at least 1 hour before appointment. The evaluation form and concerned documents can be collected at admin's office before the examination begin.

P.S. student is responsible for refreshments for examiners during the examination.

*****Please re-confirm examination date with all examiners again to avoid any incident*****

Step 4

After examination

1. Student send the evaluation form with the result back to department's admin when the examination ended.
2. Student must edit the proposal as committee's comments during the examination. If the editing has been done, proposal must be signed and approved by advisor and committee.
3. For department monthly meeting, the proposal need to be reviewed in this meeting also. Student send these following documents to department's admin at least 1 week before meeting day.
 - a copy of full Thesis/I.S. proposal and a copy of proposal in short format as specified by graduate school, both signed by advisor.
 - a copy of English language test result
 - evaluation form which is signed and approved by committee

Step 5

If there's any comment from department monthly meeting, admin will inform student to edit proposal and send back only proposal in short format which already approved by advisor. Then will continue to faculty monthly meeting for final review. (This step should be done within document acceptable period in each month, otherwise the proposal review will be reviewed by the next month.)

Step 6

When the proposal was edit refer to department monthly meeting, at least 2 weeks before faculty monthly meeting student should send the documents to admin as following,

1. Proposal in short format for faculty's review.
2. English language test result

Student have to fill out the Request Form for Thesis/I.S. Title and Proposal Approval in faculty website. (no need to print out at this step)

Step 7

1. If there's any comment from faculty's monthly meeting, please discuss and edit with advisor. Then send these documents (with advisor signature) to admin for final process
 - Full proposal after editing
 - Proposal in short format for Graduated school
 - Print out the "Request Form for Thesis/I.S. Title and Proposal Approval" and "Letter of Consent Intellectual Properties" from faculty website.
2. If your proposal got rejected from faculty's monthly meeting, student have to discuss with advisor, redo the proposal and send to admin for faculty's next review again.

Note : Students are allowed to request to do Thesis/I.S. title and proposal examination when,

1. Have passed English language test
2. Have enrolled and passed the required course at least 6 credits

2. Thesis and Independent Study Enrollment

- Enrolled through the website
- Student must get the required credits of Thesis/I.S. before request for examination.
- Department always open the Thesis/I.S. courses in every semester, student can enroll in any section which is available or department will specified the section for each student. (please see the study plan as a guide to split credit for enrollment)
- If student enrolled the Thesis/I.S. courses as study plan but not ready for examination, please enroll the next semester as 0 credits or enrolled for the university service until student request to do Thesis/I.S. examination.

3. Comprehensive examination for Plan B student

- Comprehensive examination is to test the overall knowledge, to see student's ability to combine concepts and contents of the courses, and how to solve problems with knowledge.

Comprehensive examination procedure

Step 1

Student should have enrolled and granted more than "C" in all required courses.

Step 2

Student who meet the requirement please send comprehensive examination request form to department's admin. If student request for 2nd examination, please do payment at Graduated school within specific period as shown in university academic calendar unless student have to do examination in next semester.

The student status will be terminated if 2nd comprehensive examination result is "U" (failed) according to Graduated School regulation.

Step 3

Student take comprehensive examination.

4. Thesis and Independent study (I.S.) examination procedure

1) Thesis/I.S. that was completed and be approved by advisor or examiners member to request for examination, must be

- complied to Graduate school format as announced
- number of print-out Thesis/I.S. should be at least 3-4 copies depend on number of examiners and send to department's admin at least 3 weeks before examination date.

2) Thesis/I.S. examiners should be not less than 3 person consist of (1) Examination chairman (cannot be Thesis/I.S. major advisor) (2) Examiners which are advisor and external qualified person. For external qualified person can be chosen either by department or student. *In case of the external qualified person has never been listed in Graduated School's external qualified person approval list, department have to request for approval and it takes around a month for this process.*

3) Student do Thesis/I.S. examination as an opened examination, for other people who's interested in student's research. Student have to announce the details of examination to public at least 2 weeks before examination date. (Student's brochure should be approved by department before published)

Thesis and Independent study (I.S.) examination procedure

Step 1

Plan A2 and Plan B student must enroll courses as in curriculum requirement, GPA must not less than 3.00 and have passed all preparation classes before request for examination

Step 2

Thesis/I.S. must be completed and get approval from advisor for doing the examination. The examination date and time should be advice to department's admin at least 1 month.

Step 3

Advisor or Department choose 1 committee from other university to join the examination

Step 4

Student fill out the application form for Thesis/I.S. examination and send to department's admin. The full Thesis/I.S. should be send to all examiners and admin at least 3 weeks before examination date.

Step 5

1. Contact department's admin and standby for examination
2. Doing examination

Step 6

Examiners send the evaluation result with comments back to department's admin within 3 days after the examination.

Step 7

Student have got 60 days, to edit Thesis/I.S. as committee's comments, get approval from examiners, get approval from Graduated school and send all documents for graduation. (*Refer to Announcement of Graduate School, Chiang Mai University No. 36/2560 Subject: Steps and Guidelines in Doing Thesis (Issue no. 2)*)

Thesis major advisors (Refer to CMU Regulation on Graduate Education 2559 B.E.)

1. Thesis major advisor must be a program instructor with doctoral degree or equivalent, or at least master's degree or equivalent with the position of associate professor, together with at least 3 academic works within past 5 years, where at least 1 is research work.
2. Thesis co-advisor (if any) must have qualifications as follows
 - a. In case of graduate instructor, qualifications must be same as Thesis major advisor.
 - b. In case of external qualified person, a qualification of doctoral degree or equivalent with at least 10 academic publications in acceptable national database in the same field or related area to master's Thesis or I.S.
 - c. In case of external qualified person being not qualified with the specified qualifications, an expert with acceptable high level of knowledge and experience in the field or related area to the Thesis may be approved by the university council, then inform the commission of higher education to acknowledge.

Thesis/I.S. examiners

At least 3 Thesis examiners comprise program instructor(s) and external qualified person. Thesis examiner chairman must not be Thesis major advisor or co-advisor. Thesis examiners are classified into 2 categories, i.e.,

1. In case of program instructor, qualifications are same as chair of Thesis major advisor.
2. In case of external qualified person, qualifications, or in special case, are same as Thesis co-advisor.

5. Thesis/I.S. examination

Student can request to do Thesis/I.S. examination after proposal presentation have been done and got approved from graduated school at least 90 days.

Thesis/ I. S. examination is an oral presentation between student and examiners, the presentation should be not over than 3 hours. In case of external audience attend the presentation, the examination chairman must inform that they are not allow to ask the student during the presentation. Examination will be evaluated by quality of Thesis/I.S., student's knowledge and competency. The oral presentation is ended when the examiners conclude the result and fill in university's evaluation form and report to Graduated School.

If there's any change of Thesis/I.S. title with the approval of examiners, please fill out the Request form for changing title of Thesis/I.S. and send to the department after the examination has been done.

***** In case of the first examination result was failed, student have got one more chance to do re-examination within 6 months (student have to pay re-examination fee). *****

6. Reporting the results of the Thesis/I.S. examination and Submitting Thesis/I.S.

The examination report must have submitted to Graduated school with approval signature of examiners, copies of CMR 54 document and one set of Thai and English abstract endorsed with graduated school stamp within 30 days of the original of CMR 54 has be sent to the Registration Office.

If the Thesis/I.S. title need to be changed, send Request form for changing title of Thesis/I.S. together with examination report.

Students who fail Thesis/I.S. examination can be re-examination once within 6 months. The examination fee must be paid in accordance with an announcement of Chiang Mai University.

Student have got 60 days to edit Thesis/I.S. and submit to Graduated school to get approval. In case of Thesis/I.S. editing process cannot finish in the registered semester, student need to do university service enrollment for next semester.

Documents for graduation

All documents must be send to Graduated school within 60 days after examination.

1. Result of Thesis/I.S. examination report
2. Abstract in Thai and English with watermark, and complete Thesis/I.S. file submission report from Graduated School.
3. CMR.54
4. Announcement of Thesis/I.S. examiners
5. Request form for changing title of Thesis/I.S. (if any)
6. Enrollment of graduation receipt.
7. Course enrollment or Enrollment for use university's service receipt
8. Depts online check at Engineering's Library
9. Turnitin check result with advisor signature

9. Public papers include cover of conference, contents and certificate (For Plan A student)
10. Transcript

APPENDIX

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Chiang Mai University Announcement

Academic Calendar 2022

In order to comply with academic rules and regulations of Chiang Mai University, this academic calendar 2022 is set to be used for the students.

First Semester 2022

Pre-enrollment	May 2 - 8, 2022
Pre-enrollment approval by adviser	May 9 - 15, 2022
Pre-enrollment announcement	May 18, 2022
New student registration	
Undergraduate students code 65...	June 7 - 10, 2022
Graduate students code 65... (1 st round)	February 5, 2022
Graduate students code 65... (2 nd round)	June 4, 2022
Freshmen parents meeting	To be announced
Test of English Proficiency	June 11 - 14, 2022
University - Faculty activities	June 11 - 14, 2022
Freshman Orientation	
Undergraduate students	To be announced
Graduate students	June 17, 2022
Course enrollment for new students code 65...	June 16 - 17, 2022
Non- prerequisite enrollment announcement	June 17, 2022
Course adding/dropping, course enrollment	June 18 - 26, 2022
University services enrollment	
Undergraduate students	June 18 - July 1, 2022
Graduate students	June 20 - July 19, 2022

Course withdrawal without receiving grade W	June 18 - July 1, 2022
First day of semester/classes	June 20, 2022
Final day for submission of graduate study extension request to Graduate School	June 20, 2022
Final day for submission of inter-faculty transfer approval to Registration Office	June 24, 2022
Enrollment approval by adviser	June 27 - July 1, 2022
Final announcement of course enrollment	July 3, 2022
Enrollment fee payment	July 4 - 8, 2022
Registration for undergraduate students graduation	July 4 - 8, 2022
Course withdrawal receiving grade W	July 4 - September 23, 2022
Late enrollment/ Late course adding / Late section changing	July 4 - 20, 2022
Final day for leave of absence of graduate students	July 19, 2022
Request for and change of grade V to normal enrollment for undergraduate courses	July 11 - 20, 2022
Request for grade V for graduate courses	July 11 - 20, 2022
Change of grade V to normal enrollment for graduate courses	October 3 - 7, 2022
Submission deadline for replacing grade I For undergraduate courses	July 19, 2022
For graduate courses	October 7, 2022
Final day to notify for maintaining student status	July 20, 2022
Final day for submission of course replacement approval to Registration Office	July 27, 2022
Final day for submission of thesis/IS proposal to Graduate School For Master's Degree entering 1 st semester (student code 63..)	August 8, 2022
For Doctoral Degree entering 1 st semester (student code 62..)	August 8, 2022
Reading week for Mid-term examinations (no classes and no exam)	August 22 - 28, 2022
Mid-term examinations (no classes)	August 29 - September 4, 2022
Final day for correcting name for undergraduate students registering for graduation	October 21, 2022

Last day of semester/classes	October 21, 2022
Request for deferred evaluation with grade I	October 17 - November 6, 2022
Final examinations	October 24 - November 6, 2022
Debt notification via the internet	November 7 - 11, 2022
First day of semester break	November 7, 2022
Graduation date	November 7, 2022
Final day for submission of resignation documents to Registration Office for undergraduate students	November 14, 2022
Final day for resignation of graduate students	November 14, 2022
Submission deadline for replacing grade P	November 15, 2022
Final day for grade submission	November 15, 2022
Announcement of grades	November 18, 2022
Graduation approval by academic council	December 7, 2022

Second Semester 2022

Pre-enrollment	September 26 - October 2, 2022
Pre-enrollment approval by adviser	October 3 - 9, 2022
Pre-enrollment announcement	October 11, 2022
New student registration Graduate students code 65...	November 3, 2022
Non- prerequisite enrollment announcement	November 18, 2022
Course adding/dropping, course enrollment	November 19 - 27, 2022
University services enrollment Undergraduate students	November 19 - December 2, 2022
Graduate students	November 21 - December 20, 2022
Course withdrawal without receiving grade W	November 19 - December 2, 2022
First day of semester/classes	November 21, 2022
Final day for submission of graduate study extension request to Graduate School	November 21, 2022
Final day for submission of inter-faculty transfer approval to Registration Office	November 25, 2022

Enrollment approval by adviser	November 28 - December 2, 2022
Final announcement of course enrollment	December 4, 2022
Enrollment fee payment	December 5 - 9, 2022
Registration for undergraduate students graduation	December 5 - 9, 2022
Course withdrawal receiving grade W	December 5, 2022 - February 17, 2023
Late enrollment/ Late course adding / Late section changing	December 5 - 16, 2022
Request for and change of grade V to normal enrollment for undergraduate courses	December 12 - 16, 2022
Request for grade V for graduate courses	December 12 - 16, 2022
Change of grade V to normal enrollment for graduate courses	February 27 - March 3, 2023
Final day for leave of absence of graduate students	December 20, 2022
Submission deadline for replacing grade I	
For undergraduate courses	December 20, 2022
For graduate courses	March 3, 2023
Final day to notify for maintaining student status	December 21, 2022
Final day for submission of course replacement approval to Registration Office	December 29, 2022
Final day for submission of thesis/IS proposal to Graduate School	
For Master's Degree entering 2 nd semester (student code 63..)	January 5, 2023
For Doctoral Degree entering 2 nd semester (student code 62..)	January 5, 2023
Reading week for Mid-term examinations (no classes and no exam)	January 16 - 22, 2023
Mid-term examinations (no classes)	January 23 - 29, 2023
Final day for correcting name for undergraduate students registering for graduation	March 17, 2023
Last day of semester/classes	March 17, 2023
Request for deferred evaluation with grade I	March 13 - April 2, 2023
Final examinations	March 20 - April 2, 2023
Debt notification via the internet	April 3 - 7, 2023
First day of semester break	April 3, 2023
Graduation date	April 3, 2023

Final day for submission of resignation documents to Registration Office for undergraduate students	April 7, 2023
Final day for resignation of graduate students	April 7, 2023
Submission deadline for replacing grade P	April 10, 2023
Final day for grades submission	April 10, 2023
Announcement of grades	April 13, 2023
Graduation approval by academic council	May 3, 2023

Summer Session 2022

Enrollment	April 3 - 7, 2023
Non- prerequisite enrollment announcement	April 8, 2023
Enrollment announcement	April 9, 2023
Course adding/dropping, course enrollment	April 10 - 16, 2023
University services enrollment	
Undergraduate students	April 10 - 21, 2023
Graduate students	April 17 - May 26, 2023
Course withdrawal without receiving grade W	April 10 - 21, 2023
First day of summer session classes	April 17, 2023
Enrollment approval by adviser	April 17 - 21, 2023
Final day for submission of inter-faculty transfer approval to Registration Office	April 21, 2023
Final announcement of course enrollment	April 23, 2023
Enrollment fee payment	April 24 - 28, 2023
Registration for undergraduate students graduation	April 24 - 28, 2023
Course withdrawal receiving grade W	April 24 - May 12, 2023
Late enrollment/ Late course adding / Late section changing	April 24 - May 5, 2023
Request for and change of grade V to normal enrollment for undergraduate courses	May 1 - 2, 2023
Request for grade V for graduate courses	May 1 - 2, 2023
Change of grade V to normal enrollment for graduate courses	May 8 - 12, 2023

Final day for submission of course replacement approval to Registration Office	May 12, 2023
Submission deadline for replacing grade I For undergraduate courses	May 16, 2023
For graduate courses	May 12, 2023
Request for deferred evaluation with grade I	May 22 - June 1, 2023
Final day for correcting name for undergraduate students registering for graduation	May 26, 2023
Last day of classes	May 26, 2023
Final examinations	May 29 - June 1, 2023
First day of summer session break	June 2, 2023
Graduation date	June 2, 2023
Debt notification via the internet	June 6 - 9, 2023
Final day for submission of resignation documents to Registration Office for undergraduate students	June 6, 2023
Final day for resignation of graduate students	June 6, 2023
Final day for grade submission	June 7, 2023
Announcement of grades	June 9, 2023
Graduation approval by academic council	June 21, 2023

University schedule of student activities

Teacher appreciation day (No academic classes or examinations)	To be announced
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This announcement was made on March 17, 2022.

Approved Copy

**(Kitisak Aussawawuttika
Registration Officer**

Usanee Kumprakob
**(Usanee Kumprakob, M.Sc.)
Vice President**

(Translation)
Announcement of Graduate School, Chiang Mai University
No. 22/2564
Subject: Foreign Language Conditions for Graduate Students

In order to make foreign language conditions for graduate student complying with the quality and standard, following the same steps and procedures, by the virtue of clause no. 22 of Chiang Mai University Regulations on Graduate Education 2559 B.E., conditions for foreign language used as a tool for graduate study and thesis work must follow the criteria and method specified by the Graduate School. Along with the agreement of the Graduate School Academic Administrative Committee (GSAAC), meeting no. 8/2564 on 11th June 2021, the foreign language conditions for graduate students are set as follows:

1. The announcement of the Graduate School, Chiang Mai University No. 20/2564, Subject : Foreign Language Conditions for Graduate Students, signed on 4th June, 2021 is nullified and these procedures be used instead.

2. This announcement is effective for graduate students enrolling from the academic year 2021 (student code 64...) on. The graduate students enrolling before the academic year 2021 (student code 63...) may use the criteria specified in this announcement, as an individual case may be.

3. English Language is specified as a foreign language for passing the foreign language conditions. The criteria for passing the foreign language conditions must be certified by the language institutes accepted by the graduate school, as shown in the following table

Institute	English score for enrolling a doctoral degree student	Score for thesis proposal submission/graduation for master's degree	Score for thesis proposal submission/graduation for all international and doctoral programs
CMU-eTEGS	45	60	65
IELTS	4.0	5.0	5.5
TOEFL	ITP: 430 CBT: 117 IBT: 39	ITP: 450 CBT: 133 IBT: 45	ITP: 523 CBT: 193 IBT: 69
TOEIC	-	650*	-
CU-TEP **	45%	60%	65%
TU-GET/ TU-GET(CBT)**	45%	60%	65%
KU-EPT **	45%	60%	65%
DynEd	0.5 (CEFR = A1)	2.5 (CEFR = B2)	3.0 (CEFR = C1)
CMU e-Grad**	50%	70%	90%

Note: as mentioned in the attached documents

* programs approved by the Graduate School Academic Administration Committee (GSAAC)

** the score must be not less than the specified percentage from the total score

In case the students under Academic Collaboration Program, including Dual Degree Program, (i.e., Double Degree Program, Joint Degree Program or Second Degree Program) or any other programs, foreign language conditions or operating procedure must be specified under the agreement of Graduate Program Administrative Committee, Academic Sector Graduate Education Executive Committee, and approved by the graduate school, before recruiting the students or before thesis proposal submission.

Students in master's degree program type 3 must pass the foreign language conditions before requesting for thesis (independent study) examination.

Students in all doctoral degree program and master's degree program type 1 and type 2 must pass the foreign language conditions before thesis (dissertation/master's thesis) proposal submission. Otherwise, thesis title and proposal, and thesis registration will be deemed void.

Master's degree holders who immediately continue for a doctoral degree program is able to use the foreign language test result received in the master's degree to the doctoral degree program, except TOEIC test result is not applicable for doctoral degree program.

Applicant for all doctoral degree programs is required a foreign language test result as specified in the table above. Otherwise, a provisional student may be applied first, until all requirements are achieved.

4. Foreign language scores must not be later than 2 years at the date submitted to the Graduate School. The score can be used in all related activities until graduation.

5. Students who receive CMU-eTEGS English test result below the required score may choose to take English Language Preparation for Academic Skills (General English) course (composed of vocabulary, grammar, and reading), or English Language Preparation for Academic Skills (Vocabulary and usage) course (composed of vocabulary and grammar), or Intensive Integrated English for Graduate Students course (composed of grammar, reading, writing and presentation) by the HAS Center (Humanities Academic Service Center), Chiang Mai University, and attend not less than 80% of the class time and pass the proficiency or skill development test. Students who are eligible to take the course must have the CMU-eTEGS score as follows:

All Master Degree Programs (Regular Program)

Institute	Score	Course
English course for developing English skill to comparable 40 score, which could take Intensive Integrated English for Graduate Students Course (60 hours)		
CMU-eTEGS	30 – 34	English Language Preparation for Academic Skills (General English) Total 30 hours . A student needs to attend not less than 80% of the class time and pass 55% of the total score.
	35 – 39	English Language Preparation for Academic Skills (Vocabulary and Usage) Total 15 hours . A student needs to attend not less than 80% of the class time and pass 55% of the total score.
English course for developing English skill to comparable 60 score		
CMU-eTEGS	40 - 59	Intensive Integrated English for Graduate Students Total 60 hours A student needs to attend not less than 80% of the class time and pass the total score of the proficiency or skill development test.

All Doctoral Degree and International Programs

Institute	Score	Course
English course for developing English skill to comparable 45 score, which could take Intensive Integrated English for Graduate Students Course (60 hours)		
CMU-eTEGS	35 – 40	English Language Preparation for Academic Skills (General English) Total 30 hours . A student needs to attend not less than 80% of the class time and pass 60% of the total score.
	41 – 44	English Language Preparation for Academic Skills (Vocabulary and Usage) Total 15 hours . A student needs to attend not less than 80% of the class time and pass 60% of the total score.
English course for developing English skill to comparable 65 score		
CMU-eTEGS	45 - 64	Intensive Integrated English for Graduate Students Total 60 hours A student needs to attend not less than 80% of the class time and pass the total score of the proficiency or skill development test.

All courses can be applied at HAS Center and online channels from 14th June 2021 on. English Language Preparation for Academic Skills (General English) 30 hours and English Language Preparation for Academic Skills (Vocabulary and Usage) 15 hours will be started from 5th July 2021.

6. Foreign students who are Native English Speaker, as specified in the attached document, are regarded as pass the foreign language conditions. Foreign students who study in the program taught in English and do thesis about Thailand, may use an equivalent Thai language test result as pass the foreign language conditions

7. In case of using other foreign languages which is not English, or any other special cases, reasons and necessity must be proposed, considered, agreed and approved by the Graduate Program Administrative Committee (GPAC), Academic Sector Graduate Education Executive Committee (GEEC) and Graduate School Academic Administrative Committee (GSAAC).

Announced on 15th June 2021

(Signed)

(Associate Professor Dr. Apichat Sopadang)
Dean of Graduate School

Attachment

Programs approved by the Graduate School Academic Administrative Committee (GSAAC) to submit TOEIC score includes master degree programs (regular program) as follows: (Meeting no. 8/2564 on 11th June 2021)

- | | |
|--|------------------------------------|
| - Master of Arts Program in Visual Arts | Faculty of Fine Arts |
| - Master of Science Program in Industrial Engineering | Faculty of Engineering |
| - All programs | Faculty of Business Administration |
| - Master of Science Program in Technology and Interdisciplinary Management | Graduate School |

(Meeting no. 10/2564 on 23th July 2021)

- | | |
|---|---------------------|
| - Master of Pharmacy Program in Pharmacy Management | Faculty of Pharmacy |
|---|---------------------|

** The score as announced by the institute must be not less than the specified percentage from the total score

*** The UK government classifies the following overseas countries as majority native English speaking:

Antigua and Barbuda	Australia	The Bahamas	Barbados
Belize	Canada	Dominica	Grenada
Guyana	Ireland	Jamaica	New Zealand
St Kitts and Nevis	St Lucia	St Vincent and the Grenadines	
Trinidad and Tobago	United Kingdom		
United States of America			

English course for developing English skill

Course: English Language Preparation for Academic Skills (General English) 30 hours

For Master Degree Students (Regular Program)

Score 30-34

For Doctoral Degree Students and International Programs

Score 35-40

A 30-hours course composed of 7.5 hours of vocabulary, 9 hours of grammar, and 13.5 hours of reading

Test approximately 3 times

Registration fee 3,500 baht

Course: English Language Preparation for Academic Skills (Vocabulary and Usage) 15 hours

For Master Degree Students (Regular Program)

Score 35-39

For Doctoral Degree Students and International Programs

Score 41-44

A 15-hours course composed of 7 hours of vocabulary and 8 hours of grammar

Test approximately 2 times

Registration fee 2,500 baht

Requirements

Attend not less than 80% of the class time

Pass the test as following;

Master Degree Programs (Regular Program)

pass 55% of the total score

Master and Doctoral Degree Programs (International Program)

pass 60% of the total score

Test approximately 2-3 times

Application

Applied at HAS Center and online channels from 14th June 2021 on

<https://www.facebook.com/hascenter.chiangmaiuniversity/>

Course

Started from 5th July 2021 (Online)

English Language Preparation for Academic Skills (General English) 30 hours

English Language Preparation for Academic Skills (Vocabulary and Usage) 15 hours

(Translation)

**Chiang Mai University Regulation
on Graduate Education
2559 B.E.**

To ensure that the Graduate Education of Chiang Mai University complies with the objectives and principles of the National Education Act 2542 B.E., the 2nd revision of National Education Act 2545 B.E., the Higher Education Standard Criteria and Graduate Education Standard Criteria set by the Ministry of Education and the Thai Higher Education Qualification Framework.

According to the virtue of section 25(3) of Chiang Mai University Act 2551 B.E. along with the recommendation of the University Academic Council and the resolution of the University Council meeting no. 7/2559 on 23 July 2559 B.E., the Graduate Education Regulation is set as follows

No. 1 This regulation is referred to as “Chiang Mai University Regulation on Graduate Education 2559 B.E.”

No. 2 This regulation is effective for graduate students who study in a graduate diploma, master’s degree, higher graduate diploma or doctoral degree program offered by Chiang Mai University from the academic year 2559 (2016) on.

No. 3 Existing regulations, rules, orders and announcements which conflict or contradict to this regulation are replaced by this regulation.

No. 4 In this regulation

“University” means Chiang Mai University.

“Higher education institution” means any other higher education institution certified by the Office of Higher Education Commission or by Chiang Mai University, as the individual case may be.

“Graduate School” means Graduate School of Chiang Mai University.

“Sector” means faculty, college, school or any other academic sector that provides teaching and learning activities complying with this regulation.

“Instructor” means a full-time academic staff member in the position of lecturer, assistant professor, associate professor, professor or specialist instructor who is responsible for the mission of higher education.

In case of joint institutional program, instructor(s) of the joint institution who is qualified by this regulation may be appointed as a full-time instructor, full-time graduate instructor, program instructor or academic program instructor, as the case may be in accordance with this regulation.

“Special instructor” means a teaching staff member who is not the instructor.

“Graduate school instructor” means a qualified instructor who is appointed by the university to work as a graduate instructor, thesis advisor, thesis examiner, qualification examiner and/or comprehensive examiner.

“Program instructor” means a qualified graduate school instructor who is responsible for teaching and doing research in the specified field or related area.

“Academic program instructor” means a program instructor who is responsible for program administration and development together with teaching and learning, since program

planning, quality control, monitoring and evaluation, and program development for the whole period of program education. (*Executive program committee comprises academic program instructors and representatives from concerning academic sectors*)

Academic program instructor shall not be responsible for more than one program at the same time, except master's and doctoral degree programs in the same field, or for multidisciplinary or interdisciplinary program, executive program instructor may be responsible for one more program, but not more than two repeated executive program instructors.

“Specialist instructor” means a full-time academic expert, highly experienced or well-known personnel of the university in a specific field or related area to the graduate program.

“Qualified person” means an internal staff member other than specialist instructor, or an external knowledgeable, expert, highly experienced or well-known person in a specific field or related area to the graduate program.

“Academic work” means an academic work which is not a part of study for a degree and is published in complying with the criteria for academic position appointment.

“Multidiscipline” means a discipline which is a composition of two or more major distinct disciplines, or a management or a program that students are able to learn subjects from two or more major distinct disciplines then apply them for a profession.

“Cross Discipline” means a discipline using knowledge of other disciplines to view, describe or solve the problem in the discipline.

“Interdiscipline” means a new discipline caused by harmonious integration of two or more major distinct disciplines, thus inventing a new tool, model or method that cannot be accomplished by using single distinct discipline separately.

“Transdiscipline” means a discipline which is a simultaneous composition, integration and fusion of one or more major distinct disciplines for solving a complex problem successfully and effectively.

“Broadband Discipline” means a broad discipline that covers several continuous and relating disciplines.

“Dual degree” means a program or an education that the graduates receive dual degree from a single university or from different universities, either within domestic or foreign countries. In general, dual degree is classified into 3 types, *i.e.*, double degree, joint degree, and second degree.

“Double degree” means a program or an education that the students are able to study and succeed 2 regular programs at the same time, with 2 separate degrees earned.

“Joint degree” means a program or an education that is jointly developed by institutions. The graduates will receive a single degree that appears the emblems and signed by the presidents or authorized persons of the joint institutions.

“Second degree” means a program or an education that the students have the opportunity to extend their study in another program for a second degree after succeeding the first degree, with two separate degrees earned from both programs.

“Thesis” means a composition of chapters with description and explanation from a research work, search or study under a title which is a part of study for a degree. Thesis is classified into 3 types, *i.e.*, Dissertation which is referred to a thesis for doctoral degree, Master's thesis which is referred to a thesis for master's degree, and Independent Study (I.S.).

“Foreign language” means a language other than Thai language.

No. 5 Graduate School has the duty to arrange, control and direct the graduate education complying with this regulation, together with collecting and publishing lists of names and qualifications of graduate school instructors, special instructors, specialist instructors, qualified persons and also academic program instructors and program instructors of each program. The lists must be updated regularly for the benefit of keeping education standard and quality of the university.

No. 6 Qualifications and conditions of applicant to enroll as a student

6.1 Being graduated from a higher education institution with the following conditions

6.1.1 For graduate diploma program and master's degree program, the applicant must be graduated a bachelor's degree or equivalent.

6.1.2 For higher graduate diploma program, the applicant must be graduated

- (1) A 6 years bachelor's degree program, or
- (2) A master's degree or equivalent.

6.1.3 For doctoral degree program, the applicants must be graduated

- (1) A master's degree or equivalent, or
- (2) A bachelor's degree or equivalent with very good study record (GPA at least 3.50) or with good study record (GPA at least 3.00) under the conditions specified in the curriculum or with the approval of the graduate program executive committee and the graduate school.

6.2 Having never been terminated from any institution with the reason of behavior and conduct.

6.3 Not on a disease or under a condition that causes a barrier to the education.

6.4 Having any other qualifications specified by the university or in the program.

No. 7 Admission

Graduate School may admit an applicant by using selection or examination or any other methods, which will be occasionally announced in advance.

The applicant who passes the process of admission, but still waiting for education result as specified in no. 6, the university will accept as a full-time student when the applicant has accomplished all the qualifications within the specified period of time. *(Otherwise, a provisional student may be applied, as specified in no. 8.3)*

No. 8 Types of students

8.1 *Full-time Student* means a student who has accomplished all the qualifications specified in no. 6, and the university has accepted to be a full-time student.

8.2 *Attached Student* means a student who is accepted by the university to be eligible to enroll and study courses, or to use the university's facilities, or to do research work without the right to receive a degree or graduate diploma or higher graduate diploma from the university.

8.3 *Provisional Student* means a student who lacks of some admission qualifications or conditions, or applies in the middle of semester that the program committee has considered to accepted as a provisional student under some conditions without the right to receive a degree, graduate diploma or higher graduate diploma from the university, unless all the qualifications and conditions has been accomplished, then the status of provisional student will be transferred to a full-time student.

No. 9 Student status report

Applicant who has accepted to enroll in a program, by the announcement of the university, must report him/her self for enrollment as a full-time student. All required documents must be submitted to the university by the date and time specified by the university, otherwise waiving the right to enroll shall be regarded.

No. 10 Education System

10.1 The university employs the education systems as follows

10.1.1 Bi-semester system comprising 2 regular semesters in 1 year. Each regular semester has a period of study at least 15 weeks, and may have special session which is not a compulsory session by arranging study hours equivalent to the regular semester.

In case of necessity that the program needs to arrange education courses in special session or outside office hours for training, field trip, cooperative education, project or case study, the management of those courses shall not be regarded as a special session, but as a part of regular semester.

10.1.2 Yearly system comprising 40 weeks period of study. The starting, duration and finishing of education will be announced in the education calendar by the university.

In order to provide the students extra study or training in some courses, the graduate school may assign an additional “Special Session Duration” at the end of academic year, which is not a compulsory session. The duration and study hours shall follow the standard criteria, and shall be announced in each year for individual student or class without additional enrollment.

10.1.3 Modular system comprising teaching and learning in modules depending on the topics of education. The amount of teaching and learning hours and credits are equivalent to those of bi-semester system.

10.2 The university employs credit system, by arranging contents into courses and assigning numbers of credits equivalent to quantity of the contents. The number of credits is equivalent to that of bi-semester system, complying with the following criteria

10.2.1 A lecture or discussion course with at least 15 hours per semester is valued 1 credit.

10.2.2 An experimental or practical course with at least 30 hours per semester is valued 1 credit

10.2.3 A training or field trip course with at least 45 hours per semester is valued 1 credit

10.2.4 A study time spending for thesis with at least 45 hours per semester is valued 1 credit

10.3 The university may impose prerequisite for enrollment in some courses, in order to ensure that the students are able to learn efficiently. Enrollment of a course with wrong conditions shall be deemed void.

10.4 Each course shall be imposed with course title and course code.

10.5 Course code comprises field of subject code and course number.

10.6 Course number comprises a 3 digit number. The first digit (hundredths) represents level of the course as follows

“7” “8” “9” represent courses in graduate level.

“3” “4” “5” “6” represent courses in advanced undergraduate level.

“1” “2” represent courses in preliminary undergraduate level.

10.7 In case of closing a course, the academic sector in charge must check whether having some remaining student need to study the course, and the course number shall be hold for at least 4 years.

No. 11 Programs

The university may provide a program in multidisciplinary, cross-disciplinary, transdisciplinary, or broadband disciplinary by granting a degree or dual degree as follows

11.1 Standard of a program in graduate diploma, master's degree, higher graduate diploma and doctoral degree levels shall comply with the graduate level program standard criteria as announced by the ministry of education.

11.2 Program structures

11.2.1 Graduate diploma program

Graduate diploma program is for bachelor's degree graduates, which is complete in the program itself by not being a part of a program in master's degree level. The program emphasizes on developing academic personnel the skill in a specific field, in order to gain knowledge, expertise and be able to practice with higher skill. The program is composed of at least 24 credits.

In case of continuous enrollment in a higher level, the student may transfer the credits earned in graduate diploma to master's degree level in the same field or related area, but not more than 40 % of the program to study.

11.2.2 Master's degree program

Master's degree program is for bachelor's degree graduates or equivalent and graduate diploma graduates, which emphasizes on developing academic or professional personnel the advanced knowledge and capability in the field of study through a research process, in order to freely exploit for new knowledge, based on morality and academic or professional codes of ethics. The program is composed of at least 36 credits.

Master's degree program is classified into 4 types, *i.e.*,

Type 1 emphasizes only on research by doing master's thesis for at least 36 credits.

Type 2 emphasizes on research by doing master's thesis of at least 12 credits and studying courses of at least 18 credits.

Type 3 emphasizes on coursework by studying courses of at least 24 credits and doing independent study of at least 6 credits.

Type 4 emphasizes only on coursework by studying only courses for at least 36 credits.

11.2.3 Higher graduate diploma program

Higher graduate diploma program is for a 6-year bachelor's degree or master's degree graduates or equivalent, which is complete in the program itself, by not being a part of a program in doctoral degree level. The program emphasizes on developing academic or professional personnel the skill in the specific field, in order to gain knowledge, expertise and be able to practice with higher skill. The program is composed of at least 24 credits.

In case of continuous enrollment in a higher level, the student may transfer the credits earned in higher graduate diploma to doctoral degree level in the same field or related area, but not more than 40 % of the program to study.

11.2.4 Doctoral degree program

Doctoral degree program is for a bachelor's degree graduate or equivalent with very good study record, or a master's degree graduate or equivalent with good study record. The program emphasizes on developing academic or professional personnel with high level of knowledge and capabilities in the field of study, through the process of research, in order to be able to exploit for new knowledge, based on morality and academic or professional codes of ethics.

Doctoral degree program is classified into 2 types emphasizing on academic or professional personnel development, *i.e.*,

Type 1 emphasizes on research by doing dissertation for creating new knowledge as details below

Type 1.1 is for master's degree graduates by doing dissertation only of at least 48 credits

Type 1.2 is for bachelor's degree graduates by doing dissertation only of at least 72 credits

Type 2 emphasizes on research by doing high quality dissertation for academic or professional progress together with coursework as details below

Type 2.1 is for master's degree graduate by doing a dissertation of at least 36 credits, and studying coursework in graduate level of at least 12 credits.

Type 2.2 is for bachelor's degree graduate by doing a dissertation of at least 48 credits, and studying coursework in graduate level of at least 24 credits.

11.3 Programs are classified into 3 categories, *i.e.*,

11.3.1 Regular program means a program in a field of study that uses Thai language as the principal language in teaching and learning together with other language(s) as appropriate or necessary.

11.3.2 International program means a program in a field of study with the program structure that provides the opportunity to Thai and foreign students to study together by using a foreign language as the principal language in teaching and learning.

11.3.3 Bilingual program means a program that uses English language or any other foreign language(s) together with Thai language in teaching and learning.

11.4 Study plan as specified in the curriculum of each program as follows

11.4.1 Graduate diploma or higher graduate diploma program, normal study duration is 1 year or equivalent, or as specified in the study plan of the program.

11.4.2 Master's degree program, normal study duration is 2 years or equivalent.

11.4.3 Doctoral degree program

(1) For bachelor's degree graduate enrolling a doctoral degree program, normal study duration is 5 years or equivalent.

(2) For master's degree graduate enrolling a doctoral degree program, normal study duration is 3 years or equivalent.

11.5 Duration of study may be extended only in case of academic necessity or uncontrollable, under the following conditions

11.5.1 Graduate diploma program or higher graduate diploma program, a maximum of 3 years.

11.5.2 Master's degree program, a maximum of 5 years.

11.5.3 Doctoral degree program

(1) For a bachelor's degree graduate enrolling a doctoral degree program, a maximum of 8 years.

(2) For a master's degree graduate enrolling a doctoral degree program, a maximum of 6 years.

11.6 Doctoral degree students who are unable to finish the study within the duration specified in the program may apply for a master's degree in the same field of study, as the conditions to success specified in the program of study.

11.7 Any other special graduate education, *e.g.*, dual degree program, collaboration program between institutions, or programs in any type of disciplines may be made by submitting a proposal to the university to consider.

No. 12 Enrollment

The university shall arrange registration process in each semester so that the students shall comply with the following processes

12.1 Coursework enrollment

12.1.1 For graduate diploma, higher graduate diploma and master's degree levels, a general advisor shall be assigned to each student for recommending, advising and guiding the study to comply with the education plan.

12.1.2 For doctoral degree level, a dissertation advisory committee shall be assigned to each student for planning, recommending, controlling the study and doing dissertation.

12.1.3 Coursework enrollment shall be done complying with the announcement of the university. If coursework enrollment is later than the specified date, the student shall be fined with the amount specified in the university regulation on tuition fee.

Enrollment is complete after the tuition and any other fees have been paid and the university has received all required documents.

12.1.4 The course that has been granted at least grade B shall not be able to reenroll. The enrollment failing to this condition shall be deemed void, except some specified courses that are allowed to reenroll.

12.1.5 Courses enrollment in a regular semester shall not be more than 15 credits. Courses enrollment in a special session shall not be more than 6 credits.

In case of expecting graduation in a regular semester the student may enroll more than 15 credits, or in a special session the student may enroll more than 6 credits, with the approval of the dean that the student is affiliated to.

12.1.6 Any enrollment that fails to the conditions shall be deemed void. The enrolled courses that fail to the conditions shall be granted study status letter W.

12.1.7 Student may enroll some course as a visitor for gaining knowledge by receiving study status letter V.

If a student enrolling a course as a visitor, to receive study status with letter V, wishes to change the condition to measure and evaluate the result of study to be a grade, or letter S or U, it has to comply with the condition announced by the university.

12.2 Thesis enrollment shall comply with the announcement of the Graduate School.

12.3 A student enrolling for using facilities of the university without studying any coursework must pay the enrollment fee as announced by the university.

12.4 An enrollment as an attached student or a provisional student shall comply with the announcement of the graduate school.

No. 13 Adding and withdrawing course(s) shall comply with the announcement of the university.

No. 14 Educational measurement and evaluation

14.1 Study evaluation shall be done at the end of each unit of teaching and learning, semester, or academic year, as the case may be.

14.2 Study evaluation for each course shall be reported by a letter which is classified into 3 groups, *i.e.*, study grade with a numerical value, study result, and study status that has not been evaluated or without evaluation.

14.3 Study evaluations, meanings and grade values

14.3.1 Study grades are defined as follows

Grade Letter	Meaning	Value
A	excellent	4.00
B+	very good	3.50
B	good	3.00
C+	fairy good	2.50
C	fair	2.00
D+	poor	1.50
D	very poor	1.00
F	failed	0.00

14.3.2 Study results are defined as follows

Result Letter	Meaning
S	satisfactory
U	unsatisfactory

14.3.3 Study status for course without evaluation or having not yet been evaluated are defined as follows

Status Letter	Meaning
I	incomplete
P	in progress
V	visiting
W	withdrawn
T	thesis in progress

14.4 Study status letter I means the course has been evaluated incomplete with an uncontrollable cause, so that the evaluation cannot be done. Study status letter I must be approved by the graduate education executive committee chair that the program is affiliated to.

The student receiving study status letter I must apply for study evaluation within 2 weeks before the end of next regular semester, otherwise study grade F or study result U shall be granted, as the case may be.

14.5 Study status letter P means the course is in progress by having not yet been measured and evaluation in the enrolling semester. Study status letter P must be granted only for the course(s) that is specified in the program.

Study status letter P shall be changed after measurement and evaluation has been done within the last date of final examination of next 2 regular semesters, otherwise study grade F or study result U shall be granted, as the case may be.

14.6 Study status letter T means thesis has not been evaluated, which is on going in the process of doing research.

14.7 Study status letter V means the student has enrolled the course as a visitor without measurement and evaluation. The student must attend at least 80% of the total course hours and follow the conditions of the course, otherwise study status letter V will be changed to W.

14.8 Study status letter W is applied for

14.8.1 The enrollment with wrong condition(s) and being deemed void as specified in no. 12.1.4 and 12.1.6.

14.8.2 The enrollment fails to comply with the conditions specified in 12.1.5.

14.8.3 The study fails to comply with the condition specified in 14.7.

14.8.4 The student has been suspended from study in that semester.

14.8.5 The student has withdrawn the course under the condition(s) specified.

14.8.6 Thesis proposal has not been approved by the academic program committee in the first semester that the student has enrolled the thesis course.

14.8.7 In case of uncontrollable, resignation, dead or the university has approved to withdraw every course that has enrolled.

14.9 Students must be granted at least grade C in every required course, otherwise a reenrollment must be done until at least study grade C is granted.

In case of study result of required course is evaluated in S or U, if the student has granted a study result U, a reenrollment must be done until study result S is granted.

14.10 In case of graduate student enrolls some course(s) in bachelor's degree level, the enrollment, adding, withdrawing, measuring and evaluation for that course(s) must follow the rules and regulations for undergraduate education.

Prerequisite required for enrolling undergraduate courses may be exempted under the consideration of the course instructor.

14.11 Study result and status letters S, U, I, P, T, V and W shall be excluded from grade point average (GPA) calculation.

14.12 Accumulated credits calculation

14.12.1 Accumulated credits for granting graduation as specified in the curriculum are calculated only from courses with study grade A, B+, B, C+, C or study result S.

14.12.2 In case the student enrolls a course more than once, the accumulated credits shall be calculated from only the last enrollment, except the course that the university allows to reenroll with multiple credits earned.

Accumulated credits shall not include courses in preliminary undergraduate level.

14.12.3 In case the students enroll courses that are equivalent, accumulated credits shall be calculated only from one of the courses.

14.13 Grade point average calculation shall include all credits and grades of courses that have enrolled, including reenrolled course(s), except the course(s) that receives study result and study status as specified in no. 14.11, preliminary undergraduate course(s), and program with thesis only.

14.14 Grade point average shall be calculated from sum of product of course credits and grade value of each course, as specified in no. 14.13, then divided by sum of all course credits that measured and evaluated with grade, excluding courses that measured and evaluated with study result as specified in no. 14.11. The quotient from the calculation shall have only 2 decimal points. In case of the third digit after the decimal point valued 5 or more, the second digit shall be rounded up.

14.15 In case the student enrolls a course in a program, the course may be transferred to other programs with the approval of the graduate education executive committee chair of academic sector that accepts the student or credits transfer then inform the graduate school to acknowledge.

14.16 In case of having an appeal or evidence that the evaluation result is incorrect, not followed the criteria or inappropriate, the president may appoint a committee to investigate for the fact, then consider and make an appropriate order to the case.

No. 15 Change of study plan and field of study must comply with that specified by the graduate school.

No. 16 Transferring students and credits must comply with that specified by the graduate school.

No. 17 Education standard control must comply with that specified by the university.

No. 18 General advisors and thesis major advisors

18.1 General advisors

Each student in graduate diploma, higher graduate diploma and master's degree level shall be assigned a general advisor to advice and take care of study plan for the student, in order to comply with that specified in the program, regulations and any other necessary and appropriate matters.

18.2 Thesis major advisors

18.2.1 For master's degree student, a thesis major advisor shall be assigned for guiding and taking care of doing master's thesis.

Thesis advisor may be in the form of advisory committee comprising at least 2 thesis advisors, one is the thesis major advisor. *(The rest is thesis co-advisor)*

18.2.2 For doctoral degree student, a dissertation advisory committee shall be assigned for guiding, planning, and taking care of doing dissertation. The dissertation advisory committee comprises at least 3 dissertation advisors, where one is the dissertation major advisor. *(The rest is dissertation co-advisor)*

General advisor and thesis major advisor may be a graduate school instructor or specialist instructor who is qualified as specified in no. 20.

Appointment of general advisors and thesis major advisors shall be done by the graduate education executive committee chair of the academic sector in charge.

No. 19 Course instructor and thesis co-advisor may be a graduate instructor or special instructor.

Appointment of course lectures and thesis co-advisor shall be done by the graduate education executive committee chair of the sector in charge.

No. 20 Number and qualifications of instructors

20.1 Graduate diploma program

20.1.1 Program instructor

- (1) Having at least a master's degree or equivalent qualification.
- (2) Having at least 3 academic works within past 5 years, where at least 1 is research work.
- (3) For professional graduate diploma program, program instructor must comply with qualifying criteria of that profession.

20.1.2 At least 5 academic program instructors

- (1) Having qualification of doctoral degree or equivalent , or at least a master's degree or equivalent with academic position of associate professor.
- (2) Having at least 3 academic works within past 5 years, where at least 1 is research work.

20.1.3 General advisor, course instructor and special instructor

- (1) Having at least a master's degree or equivalent qualification in specific field or related area to the program or the course taught.
- (2) Having teaching experience.
- (3) Having at least 1 academic work within past 5 years.

In case of special instructor, master's degree qualification may be exempted with at least bachelor's degree or equivalent and at least 6 years experience in the area related to the course taught.

20.2 Higher graduate diploma

20.2.1 Program instructor

- (1) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position of associate professor.
- (2) Having at least 3 academic works within past 5 years, where at least 1 is research work.
- (3) For professional higher graduate diploma program, program instructor must comply with qualifying criteria of that profession.

20.2.2 At least 5 academic program instructors

- (1) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position of professor.
- (2) Having at least 3 academic works within past 5 years, where at least 1 is research work.

20.2.3 General advisor, course instructor and special instructor

- (1) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position of associate professor in the field or related area to the program or the course taught.
- (2) Having teaching experience.
- (3) Having at least 1 academic work within past 5 years.

20.3 Master's degree program

20.3.1 Program instructor

- (1) Having a qualification of at least master's degree or equivalent.
- (2) Having at least 3 academic works within past 5 years, where at least 1 is research work.

20.3.2 At least 3 academic program instructors

(1) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position of associate professor.

(2) Having at least 3 academic works within past 5 years, where at least 1 is research work.

20.3.3 Thesis advisor must be a program instructor, which is classified into 2 categories, *i.e.*,

(1) Thesis major advisor must be a program instructor with doctoral degree or equivalent, or at least master's degree or equivalent with the position of associate professor, together with at least 3 academic works within past 5 years, where at least 1 is research work.

(2) Thesis co-advisor (if any) must have qualifications as follows

In case of graduate instructor, qualifications must be same as thesis major advisor.

In case of external qualified person, a qualification of doctoral degree or equivalent with at least 10 academic publications in acceptable national database in the same field or related area to master's thesis or I.S.

In case of external qualified person being not qualified with the specified qualifications, an expert with acceptable high level of knowledge and experience in the field or related area to the thesis may be approved by the university council, then inform the commission of higher education to acknowledge.

20.3.4 At least 3 thesis examiners comprise program instructor(s) and external qualified person. Thesis examiner chair must not be thesis major advisor or co-advisor. Thesis examiners are classified into 2 categories, *i.e.*,

(1) In case of program instructor, qualifications are same as chair of thesis major advisor.

(2) In case of external qualified person, qualifications, or in special case, are same as thesis co-advisor.

20.3.5 General advisors, course instructors and special instructors

(1) Having qualification of master's degree or equivalent in that field or related area to the program or the course taught.

(2) Having teaching experience.

(3) Having at least 1 academic work within past 5 years.

20.4 Doctoral degree program

20.4.1 Program instructor

(1) Having qualification of doctoral degree or equivalent, or master's degree or equivalent with academic position of associate professor.

(2) Having at least 3 academic works within past 5 years, where at least 1 is research work.

20.4.2 At least 3 academic program instructors

(1) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position of professor.

(2) Having at least 3 academic works within past 5 years, where at least 1 is research work.

20.4.3 Dissertation major advisor must be a program instructor, which is classified into 2 categories, *i.e.*,

(1) Thesis major advisor must be a program instructor with following qualifications

(1.1) Having English proficiency at the level specified by the graduate school.

(1.2) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position of professor.

(1.3) Having at least 3 academic works within past 5 years, where at least 1 is research work.

(2) Dissertation co-advisor must have qualifications as follows

In case of graduate instructor, qualifications are same as dissertation major advisor.

In case of external qualified person, a qualification of doctoral degree or equivalent with at least 5 academic publications in acceptable international database in the same field or related area to the dissertation.

In case of external qualified person having not been qualified with the specified qualifications, an expert with acceptable high level of knowledge and experienced in the field or related area to the thesis may be permitted by the approval of the university council and informing the commission of higher education to acknowledge.

20.4.4 At least 5 dissertation examiners comprise program instructor(s) and external qualified person. Thesis examiner chair must be an external qualified person, which is classified into 2 categories, *i.e.*,

(1) In case of program instructor, qualifications and academic works are same as dissertation major advisor.

(2) In case of external qualified person, qualifications and academic works are same as dissertation co-advisor.

20.4.5 General advisors, course instructors and special instructors

(1) Having qualification of doctoral degree or equivalent, or at least master's degree or equivalent with academic position in the specific field or related area to the program or the course taught.

(2) Having teaching experience.

(3) Having at least 1 academic work within past 5 years.

In case of the course taught is not in the same field of the program, at least master's degree or equivalent qualification with academic position of associate professor may be permitted to be course instructor.

In case of extreme necessity, especially in the field that shorts of program instructors or number of students is less than 10, the case together with number and qualifications of program instructors must be proposed to the commission of higher education to consider.

No. 21 Duty and workload must comply with the announcement of the university.

No. 22 Foreign language conditions, as a study tool for doing thesis, must comply with the criteria and process specified by the graduate school.

No. 23 Qualifying examination is to evaluate readiness and capability of doctoral students, in order to receive the right to enroll dissertation with following conditions

23.1 The student must apply for qualification examination with the approval of dissertation major advisor before submitting the application form to the graduate school.

23.2 Qualifying examination committee comprising at least 3 qualifying examiners chaired by the dissertation major advisor must be appointed by graduate education executive committee chair of the academic sector in charge. One of the qualifying examiners must be in the same or nearby field of the dissertation and must not be a dissertation co-advisor.

23.3 When qualifying examination has already been done, the examiner chair must report the result of examination to the graduate school within 1 week after to the examination.

The student who fails qualifying examination shall receive one more right to take a qualifying reexamination by submitting a request form within next regular semester from the first qualification examination.

In case the student fails qualifying reexamination, the student may request to transfer to a master's degree program in the same or related field endorsed by the graduate program executive committee to the graduate school to approve.

No. 24 Comprehensive examination is to test general knowledge, concepts and content integration capability, and knowledge application capability in problem solving. The student must have enrolled all courses specified in the curriculum and pass all required courses with at least grade C.

24.1 Comprehensive examination is compulsory for type 3 and type 4 master's degree programs. In case of type 1 and type 2 master's degree and doctoral degree programs are as specified in each curriculum.

24.2 Comprehensive examination process

24.2.1 The student must apply for comprehensive examination, to the graduate school, endorsed by general advisor or thesis major advisor.

24.2.2 Comprehensive examination committee comprising at least 3 comprehensive examiners from full-time graduate school instructors must be appointed by graduate education executive committee chair of the academic sector in charge.

24.2.3 When the comprehensive examination has already been done, the examination chair must report the result of examination to the graduate school within 1 week after the examination.

The student who fails comprehensive examination shall receive one more right to take a comprehensive reexamination by submitting a request for comprehensive reexamination. *(to the graduate school endorsed by general advisor or thesis major advisor)*

No. 25 Operating procedures and steps in doing thesis shall comply with that specified by the graduate school.

Intellectual properties generated from doing thesis shall be managed by complying with the university rules and regulations concerning intellectual properties management with mutual agreement in writing.

No. 26 Student status termination may be caused by the following cases

26.1 Dead

26.2 Resignation

26.3 Transfer to other university

26.4 Lack of one of qualifications or conditions of applicant to enroll as a student as specified in no. 6

26.5 Having not enrolled any course within the time specified by the university without maintaining the student status within 30 days from first date of regular semester.

26.6 Having rerolled a program for a maximum duration specified in no. 11.4 from the first date of first regular semester of enrollment.

26.7 Study result with grade point average of less than 2.75 when having enrolled every 2 regular semesters.

26.8 A doctoral student who fails qualifying examination without having the approval to transfer to a master's degree program, as specified in no. 23.

26.9 Thesis title and proposal has not been approved after enrollment for a period of time as specified below

26.9.1 For every type of master's degree program, 2 academic years.

26.9.2 For every type of doctoral degree program, 3 academic years.

26.10 Having enrolled for 2 regular semesters without any credit earned, except the program with thesis only.

26.11 Having failed comprehensive examination as specified in no. 24.

26.12 Having not paid tuition fee within the time specified by the university.

26.13 Having been graduated.

26.14 Having been terminated by the university.

No. 27 Taking leave

27.1 Student taking leave or having been suspended a semester or whole academic year must pay the fee for maintaining student status, except the semester that have enrolled with the tuition fee paid.

27.2 Student wishing to resign from student status may request for a resignation to the graduate school. When the resignation has been approved the student status is terminated.

No. 28 Reenrollment

28.1 Student who has already graduated or has been terminated by the regulation no. 26.2, 26.6, 26.7, 26.8, 26.9 and 26.11, and has been admitted as a student again, is able to transfer the courses and credits earned within past 5 years from the date of course enrollment.

28.2 Graduate student who wishes to resume student status after student status has been terminated by the regulation no. 26.2, 26.3, 26.5 and 26.12 may request for resuming student status to the graduate school, in order to propose to the university to consider, as the individual case may be.

28.3 Student who has been terminated by the university with the reason of dishonest, misbehave, acting against morality, codes of ethics or law is not eligible to reenroll in the university.

No. 29 Nomination for graduation a degree or diploma

At the final semester that the student is going to fulfill all courses and conditions specified in the curriculum, the student must report him/her self to the registration office for graduation expectation, endorsed by general advisor or thesis major advisor, then also report to the affiliated academic sector.

Student who is nominated for graduation a degree or diploma must fulfill all the following conditions

29.1 Having studied courses and fulfilled all the conditions specified in the curriculum.

29.2 Having received grade point average of all courses at least 3.00 and grade point average of courses in specific field at least 3.00, except program with dissertation or master's thesis only.

29.3 Having passed a foreign language conditions by examination or any other methods specified by the graduate school.

29.4 Having passed comprehensive examination, for type 3 and type 4 master's student and for the program that has specified.

29.5 Having passed thesis evaluation examination.

The dissertation (*doctoral thesis*) must be composed in English language or any other language approved by the graduate school, as the individual case may be.

29.6 Thesis result must be published or at least accepted to publish in a journal, media, printed matter, or registered a petty patent or patent, or in other forms accepted by the field of study with the approval of the graduate school for each level and/or type of study.

29.7 Having qualifications complying with the university regulation on student's honor and glory determination to graduate a degree or diploma of the university.

29.8 Being honest and faithful with morality and ethics, by righteously and legally creation of work based on facts without any biasing, making up or false data, violating rights, stealing, copying, imitating or repeating (plagiarizing) works of the others.

No. 30 Appealing

When the university has considered and made an order or decision in any case concerning to this regulation, if the student does not agree with the order or decision of the university, the student has the right to make an appeal to the president within 30 days from the date of acknowledgement of the order or decision as the case may be. The order or decision of the president is regarded as the final decision.

No. 31 The president must act in accordance with this regulation and has the authority to make announcements or rules complying with this regulation. In case of having problem in operation complying with this regulation, the president has the authority to consider, interpret and make final decision and/or make an appropriate order and operation, then inform the university council to acknowledge.

Announced on 25th August 2559 B.E.

(signed)

(Emeritus Professor Kasem Wattanachai, M.D.)

Chairman of Chiang Mai University Council

Note: In case of going to court or having problem in interpreting this translation, it must follow the essence of the regulation in Thai language.

Terms in the CMU Regulation on Graduate Education

มหาวิทยาลัยเชียงใหม่	Chiang Mai University (CMU)
สภามหาวิทยาลัยเชียงใหม่	university council (UC)
สภาวิชาการมหาวิทยาลัย	university academic council (UAC)
กรรมการบริหารมหาวิทยาลัย	university executive committee (UEC)
กรรมการบริหารวิชาการประจำบัณฑิตวิทยาลัย	graduate school executive committee (GSEC)
กรรมการวิชาการบัณฑิตวิทยาลัย	graduate school academic committee (GSAC)
กรรมการบัณฑิตศึกษาประจำส่วนงาน	graduate education executive committee (GEEC)
กรรมการบริหารหลักสูตรบัณฑิตศึกษา	graduate program executive committee (GPEC)
ประธานกรรมการบริหารหลักสูตรบัณฑิตศึกษา	graduate program executive committee chair
อาจารย์ผู้รับผิดชอบหลักสูตร	academic program instructor (API)
อาจารย์ประจำหลักสูตร	program instructor (PI)
อาจารย์ประจำ	instructor, full-time academic staff member
อาจารย์ประจำในบัณฑิตวิทยาลัย	graduate school instructor (GSI)
อาจารย์พิเศษ	special instructor, one who is not instructor
อาจารย์ผู้สอน	course instructor, one who teaches a course
อาจารย์ที่ปรึกษาปริญญาโท	thesis advisor
อาจารย์ที่ปรึกษาปริญญาโทหลัก	thesis major advisor
อาจารย์ที่ปรึกษาปริญญาโทร่วม	thesis co-advisor
ผู้ทรงคุณวุฒิ	qualified person
ปริญญาควบ	dual degree
ปริญญาคู่	double degree
ปริญญาร่วม	joint degree
ปริญญาที่สอง	second degree
วิทยานิพนธ์	thesis
ดุษฎีนิพนธ์	dissertation, or doctoral thesis
วิทยานิพนธ์	master's thesis
การค้นคว้าอิสระ	independent study
ส่วนงาน	sector
ส่วนงานบริหาร	administrative sector, e.g., office of the university
กองงาน หน่วย	division, section, unit
ส่วนงานวิชาการ	academic sector, e.g., faculty, college, school, institute

ภาควิชา	department
สาขาวิชา	field
แขนงวิชา	area
วิชาเอก วิชาโท	major, minor
กระบวนวิชา	course
กระบวนวิชาปริญญาตรีขั้นต้น/ขั้นสูง	preliminary/advanced undergraduate course
กระบวนวิชาระดับบัณฑิตศึกษา	graduate course
วิชาบังคับ	required course
วิชาเฉพาะ	specified course
วิชาเลือก	elective course
การสอบประมวลความรู้	comprehensive examination
การสอบวัดคุณสมบัติ	qualifying examination
อักษรแสดงผลการศึกษา	study result expression letter
สถานะการศึกษา	study status
ผลการศึกษา	study result
ลำดับชั้น	grade
ภาคการศึกษา	education session
ภาคการศึกษาปกติ	regular semester
ภาคการศึกษามบังคับ	compulsory session
คุณธรรม จริยธรรม	moral, ethics
จรรยาบรรณในวิชาชีพ/วิชาการ	professional/Academic codes of ethics
เป็นกรณีไป	as the individual case may be
แล้วแต่กรณี	as the case may be
หลักสูตร	program
เนื้อหาหลักสูตร	program curriculum
รายละเอียดหลักสูตร/กระบวนวิชา	program/course syllabus
ลงทะเบียน	enrollment
ขึ้นทะเบียน	registration

(Translation)
Chiang Mai University Regulations
on Graduate Education
(Issue No. 2)
2561 B.E.

By the virtue of section 25 (3), 64 and 66 of Chiang Mai University Act 2551 B.E. and the resolution of Chiang Mai University Council meeting no. 3/2561 on 24th March 2561 B.E., Chiang Mai University Regulations on Graduate Education are amended as follows:

No. 1 These regulations are referred to as “Chiang Mai University Regulations on Graduate Education (Issue No. 2) 2561 B.E.”

No. 2 These regulations are effective for graduate students who study in a Graduate Diploma, Master’s Degree, Higher Graduate Diploma or Doctoral Degree Program offered by Chiang Mai University from the academic year 2561 (2018) on.

No. 3 A definition of “Duration of Study” is appended next after the “Foreign Language” in No. 4 of Chiang Mai University Regulations 2559 B.E. as follows:

““Duration of Study” means total duration of study starting from the first date of the first semester of enrollment including coursework study, doing research, academic work creation, doing thesis, thesis work publication throughout the process to perform the criteria and conditions specified in the curriculum until the date of nomination for a diploma or a degree to be awarded.”

No. 4 The statements in No. 11.5 of Chiang Mai University Regulations on Graduate Education 2559 B.E. are abolished and replaced by the following statements:

“11.5 The student who is not able to finish his/her study within the duration of study specified in No. 11.4 is able to continue his/her study under the following criteria:

11.5.1 For Graduate Diploma and Higher Graduate Diploma, not more than 3 academic years.

11.5.2 For Master’s Degree, not more than 5 academic years.

11.5.3 For Doctoral Degree,

(1) a Bachelor’s Degree holder, not more than 8 academic years,

(2) a Master’s Degree holder, not more than 6 academic years.”

No. 5 The statement in No. 26.6 of Chiang Mai University Regulations on Graduate Education 2559 B.E. are abolished and replaced by the following statements:

“26.6 Having enrolled a program for a maximum duration specified in No. 11.5 starting from the first date of the first semester of enrollment.”

No. 6 In the case of force majeure that a student is unable to finish his/her study within the duration specified in No. 11.5, the student may request for a reasonable period of extension with the opinion of his/her thesis advisor through the Graduate Program Executive Committee (GPEC), Graduate Education Executive Committee (GEEC) of Academic Sector, Graduate School Executive Committee (GSEC) then to the president to consider and make decision as the final result.

Announced on 26th May 2561 B.E.

(Signed)

(Emeritus Professor Kasem Wattanachai)
Chairman of Chiang Mai University Council

Note: This document has been translated from the Thai Language. In case of court proceedings, or any other disagreement between this document and the original document, the Thai Language version of this document shall take precedence.

(Translation)

Announcement of the Graduate School, Chiang Mai University No. 15/2565

Subject: Criteria and Operating Procedure for Thesis Publication

According to the Regulation of Chiang Mai University on Graduate Education 2559 B.E., clause no. 29.6: a thesis work must be published or at least accepted to publish in a journal, media, printed matter, registered a petty patent or patent, or other ways of publication that are accepted in the field of study as specified by the graduate school, on each level and/or type of study, along with the agreement of the Academic Council Board meeting no. 4/2565 on 20th April 2022 and the Graduate School Academic Administrative Committee (GSAAC), meeting no. 5/2565 on 8th April 2022, the Criteria and Operating Procedure for Thesis Publication are issued as follows.

1. Announcement of Graduate School, Chiang Mai University, Subject: Criteria and Operating Procedure for Thesis Publication No. 37/2559 issued on 9th November 2016, No. 45/2560 (No.2) issued on 10th November 2017, and No. 63/2561 (No.3) issued on 24th October 2018 are cancelled.

2. This announcement is valid for the students who request for the graduation on the announced date.

3. Criteria for thesis publication

3.1. Graduate Diploma or High Graduate Diploma: Criteria for thesis publication is as specified in each program.

3.2. Master's degree

Criteria for thesis publication	Type 1	Type 2	Type 3
Publications The thesis or parts of the thesis have been published or at least accepted to be published in international journals <u>or</u> national journals in TCI Tier 1 <u>or</u> national journals which are qualified and accepted in the field of study or related fields. The journals must regularly and continuously publish for at least 3 years. The quality of publications must be evaluated by at least 3 peer reviewers from various outside university. The journal can be published in both print and electronic, which have an exact schedule. <u>or</u> published as a full paper in the proceeding of international conference, which was accepted in the field of study.	1	1	

Criteria for thesis publication	Type 1	Type 2	Type 3
National conference Note: Award from national contest of National Research Council of Thailand (NRCT) or equivalent award can be used instead of the presentation in national conference after the acceptance from the Graduate School Academic Administrative Committee (GSAAC).	1		
Independent study Independent study or parts of the independent study must be published in the academic publications, which are accepted by the program and the <u>Graduate School Academic Administrative Committee (GSAAC)</u> .			1
Patent/Innovation, which can be used instead of 1 publication			
Patent: Request number + Readiness level (TRL/PRL/SRL 4 and above)			
Innovation: Readiness level (TRL/PRL/SRL 5 and above)			

In the case of fine arts, visual arts, or media arts, apart from the above criteria for thesis publication, the thesis can be publicly published in the form or method that is accepted in the field of study by focusing on thinking, analyzing, creating, and applying. The arts, approved by the national artists or experts, who is accepted by the Graduate School, can be used instead of the publications or presentation in the National conference.

3.3. Doctoral degree

Criteria for thesis publication	Type 1.1	Type 1.2	Type 2.1	Type 2.2*
Publications				
The Ph.D. thesis or parts of the Ph.D. thesis have been published or at least accepted to be published in international journals in ISI, Scopus, IEEE, PubMed, or Web of Science	1	1	1	1
The Ph.D. thesis or parts of the Ph.D. thesis have been published or at least accepted to be published in international journals.	1			1
International conference Note: Award from international contest can be used instead of the presentation in international conference after the acceptance from the Graduate School Academic Administrative Committee (GSAAC).	1	1	1	1

Criteria for thesis publication	Type 1.1	Type 1.2	Type 2.1	Type 2.2*
Patent/Innovation, which can be used instead of 1 publication				
Patent: Request number + Readiness level (TRL/PRL/SRL 6 and above)				
Innovation: Readiness level (TRL/PRL/SRL 7 and above)				

Note: *Type 2.2 Only 1 international publication in ISI Q1/Q2 can be used instead of 2 international publications.

In the case of fine arts, visual arts, or media arts, apart from the above criteria for thesis publication, the Ph.D. thesis can be publicly published in the form or method that is accepted in the field of study, which is not below the criteria set by the Ministry of Education and/or Ministry of Higher Education, Science, Research and Innovation, by focusing on creating, new knowledge, or academic/professional innovative new ideas. The arts, approved by the international artists or experts, who is accepted by the Graduate School, can be used instead of the publications or presentation in the National conference.

In addition, the Ph.D. thesis can be published in national journals in TCI Tier 1 or the national journals which are qualified and accepted in the field of study or related fields, regularly and continuously published for at least 3 years, and the quality of publications must be evaluated by at least 3 peer reviewers from various outside universities, and published in both print and electronic, which have an exact schedule or presented in the academic regarding the program's conditions.

3.4. For at least 1 thesis publication, the student must be listed as the first author. The affiliation of the student in the major publication must be as follows: "Program...../ Department..... Faculty/College/School of..... Chiang Mai University".

3.5. The thesis must not be published in the journals, which are in the List of Predatory Publishers.

3.6. International publication/conference can be used instead of the national.

3.7. The verification of database entries is based on the submission date.

4. In the case that it is imperative that the above criteria are not met, reasons and necessity must be proposed, considered, agreed and approved by the Graduate Program Administrative Committee (GPAC), Academic Sector Graduate Education Executive Committee (GEEC), and Graduate School Academic Administrative Committee (GSAAC). The consideration of GSAAC shall be final.

5. The program can set higher quantity and quality of the criteria than this announcement.

In case of not following the above criteria, the program can set the form, method, level, and number of publications, which are accepted in the field of study in the program. However, the criteria must not lower than those set by the Ministry of Education. In this case, reasons and necessity must be proposed, considered, agreed and approved by the Academic Sector Graduate Education Executive Committee (GEEC), Graduate School Academic Administrative Committee (GSAAC), University Executive Committee, Academic Council, and University Council.

Announced on 28 April, 2022

(Sign)

(Associate Professor Dr. Apichat Sopadang)
Dean of Graduate School

Forms



แบบเสนอขอสอบ คุชฎินิพนธ์/วิทยานิพนธ์/การค้นคว้าแบบอิสระ
Application Form for Dissertation/Thesis/I.S. Examination

บัณฑิตวิทยาลัย มหาวิทยาลัยเชียงใหม่
The Graduate School, Chiang Mai University

วันที่ เดือน พ.ศ.
Date Month Year (BE)

ข้าพเจ้า (นาย/นาง/นางสาว)
I am (Mr/Mrs/Ms)

รหัสนักศึกษา
Student Code

นักศึกษาระดับ ปริญญาเอก ปริญญาโท อื่นๆ
studying in Doctoral Degree Master's Degree Other

หมายเลขโทรศัพท์
Telephone No.

หลักสูตร ปกติ นานาชาติ อื่นๆ
Program: Regular International Other Email:

สาขาวิชา แบบ/แผน คณะ
Major/Field of Specialization Type/Plan Faculty of

มีความประสงค์
would like to apply for

ขอสอบ วิทยานิพนธ์ การค้นคว้าแบบอิสระ ในวันที่
Examination of Dissertation/Thesis Independent Study on Date/Month/Year

ตามชื่อหัวข้อที่ได้รับอนุมัติ
as the title approved and shown below

โดยใช้รูปแบบการอ้างอิงตามมาตรฐาน บว.มช. AMA APA Vancouver อื่นๆ
by using Referencing Standard of CMU Grad-School Other (please specify)

(Title in Thai)

(Title in English)

คุชฎินิพนธ์/วิทยานิพนธ์/การค้นคว้าฯ ที่เสนอนี้ ได้ผ่าน

การตรวจการคัดลอกแล้ว ตามรายงานการตรวจฯ ที่แนบ
The Thesis/I.S. has passed Plagiarism Check as shown in the attached report.

(ลงนาม) นักศึกษา
(Signature) Student

Form with multiple sections for signatures and approvals, including 'เรียน คณบดี', 'เห็นชอบกับผลการตรวจการคัดลอก', 'เห็นชอบให้สอบและแต่งตั้งกรรมการสอบตามทีเสนอ', and 'อนุมัติ และลงนามในคำสั่งแต่งตั้ง กก.สอบฯ แล้ว'.

หมายเหตุ: นักศึกษามีสิทธิเสนอขอสอบหลังจากได้รับอนุมัติหัวข้อและโครงร่างฯ แล้ว 90 วัน สำหรับวิทยานิพนธ์ หรือ 30 วัน สำหรับการค้นคว้าแบบอิสระ
Note: Student is eligible to apply for Dissertation or Thesis/I.S. 90/30 days after the Approval of the Title and Proposal.



แบบรายงานความก้าวหน้าการศึกษา
Progress Report of Study Form

บัณฑิตวิทยาลัย มหาวิทยาลัยเชียงใหม่
The Graduate School, Chiang Mai University

วันที่ เดือน พ.ศ.
Date Month Year (BE)

ข้าพเจ้า (นาย/นาง/นางสาว)
I am (Mr/Mrs/Ms)

รหัสนักศึกษา
Student Code

นักศึกษามหาวิทยาลัยเชียงใหม่ ระดับ
Student of Chiang Mai University studying in

ปริญญาเอก
Doctoral Degree

ปริญญาโท
Master's Degree

อื่นๆ
Other

หลักสูตรปกติ
Regular Program

หลักสูตรนานาชาติ
International Program

อื่นๆ
Other

หมายเลขโทรศัพท์
Telephone No.

สาขาวิชา
Major/Field of Specialization

แบบ/แผน /
Type/Plan

มีความประสงค์
would like to

ขอรายงานความก้าวหน้าการศึกษา ครั้งที่ .. สำหรับภาคการศึกษาที่ .. ปีการศึกษา ดังต่อไปนี้
report the progress of my study for the ... (1st/2nd) time in the (1st/2nd) semester of the academic year as in the following details

1. การลงทะเบียนและเงื่อนไขของการศึกษา
Registration and Conditions of Study

1.1 ภาษาต่างประเทศ TOFEL Score IELTS Score TEGS Score
Foreign Language Test (English) with Score, Grade or Level

หรือภาษาอื่น (โปรดระบุ) ระดับ เมื่อวันที่ เดือน พ.ศ.
or Other Language (Please Specify) Level/Grade Date Month Year

1.2 การสอบวัดคุณสมบัติ ผ่าน ไม่ผ่าน เมื่อวันที่ เดือน พ.ศ.
Qualifying Examination Pass Fail Date Month Year

1.3 หัวข้อและโครงร่างฯ เสนอต่อสาขาวิชา เมื่อวันที่ เดือน พ.ศ.
Dissertation/Thesis/I.S. Title and Proposal has been submitted on Date Month Year
 ยังไม่ได้รับอนุมัติ ได้รับอนุมัติแล้ว เมื่อวันที่ เดือน พ.ศ.
has not been approved has been approved on Date Month Year

(Title in Thai)

(Title in English)

โดยมีคณะกรรมการที่ปรึกษา ดังนี้
with the Advisory Committee Members listed below

..... ประธาน (Advisor/Chair)
..... กรรมการ (Member)
..... กรรมการ (Member)
..... กรรมการ (Member)
..... กรรมการ (Member)

1.4 การลงทะเบียนวิทยานิพนธ์

Registration of Thesis

ครั้งที่ 1	จำนวน หน่วยกิต	เมื่อภาคการศึกษาที่ ..	ปีการศึกษา
First Time	number of credits taken ...	in the (1st/2nd) Semester (or 3 for Summer) in Academic Year ...	
ครั้งที่ 2	จำนวน หน่วยกิต	เมื่อภาคการศึกษาที่ ..	ปีการศึกษา
Second Time	number of credits taken ...	in the (1st/2nd) Semester (or 3 for Summer) in Academic Year ...	
ครั้งที่ 3	จำนวน หน่วยกิต	เมื่อภาคการศึกษาที่ ..	ปีการศึกษา
Third Time	number of credits taken ...	in the (1st/2nd) Semester (or 3 for Summer) in Academic Year ...	

2. ความก้าวหน้าของการศึกษา

Progress of Study

2.1 กิจกรรมทางวิชาการที่ได้ดำเนินการในภาคการศึกษานี้

Academic Activities done in this semester

2.1.1 การนำเสนอผลงานในการประชุมวิชาการ/สัมมนา

Presentation in a Seminar/Conference

ชื่อการประชุม/ประชุม	จัดโดย
Conference/Seminar's Title	Organized by
ณ	เมื่อวันที่ ... เดือน
Venue	Date Month Year
โดยการ <input type="checkbox"/> เข้าร่วมประชุมอย่างเดียว	<input type="checkbox"/> เข้าร่วมประชุมและนำเสนอผลงานในหัวข้อเรื่อง
by registering as a participant only	registering as a participant and presenting a paper, title shown below

(Title in Thai)

(Title in English)

2.1.2 การลงตีพิมพ์เผยแพร่ในวารสารวิชาการ

Publication in a Journal

ชื่อวารสาร	จัดพิมพ์โดย
Journal's Title	Publisher
ปีที่พิมพ์ เล่มที่	เมื่อวันที่ ... เดือน
Volume No.	Date Month Year

(Title in Thai)

(Title in English)

2.1.3 การเข้าร่วมหรือจัดกิจกรรมทางวิชาการอื่นๆ (โดยมีรายละเอียดดังต่อไปนี้)

Participating or organizing academic activities (details shown below)

1)

2)

3)

2.2 ความก้าวหน้าของการทำวิทยานิพนธ์หรือการค้นคว้าแบบอิสระ (โปรดระบุรายละเอียด)
 Progress of Dissertation/Thesis/I.S. Making (Please describe in details)

2.3 ปัญหาและหรืออุปสรรคในการศึกษา/ทำวิทยานิพนธ์หรือการค้นคว้าแบบอิสระ (โปรดระบุรายละเอียด)
 Problems and/or Obstacles found during the study or doing the Dissertation/Thesis/I.S. (please describe in details)

(ลงนาม) นักศึกษา
 (Signature) Student

<p>(ลงนาม) อาจารย์ที่ปรึกษา (Signature) Student's Advisor (.....) / /</p>	<p>(ลงนาม) ประธานฯ สาขา (Signature) Academic Program Chair (.....) / /</p>
<p>(ลงนาม) ประธานฯ บ.ศ. คณะ (Signature) Executive Program Chair (.....) / /</p>	<p>(ลงนาม) คณบดีบัณฑิตวิทยาลัย (Signature) Dean of the Graduate School (.....) / /</p>



แบบคำร้องทั่วไป
General Request Form

บัณฑิตวิทยาลัย มหาวิทยาลัยเชียงใหม่
The Graduate School, Chiang Mai University

วันที่ เดือน พ.ศ.
Date Month Year (BE)

เรื่อง
Matter

เรียน คณบดีบัณฑิตวิทยาลัย (ผ่าน)
To Dean of the Graduate School (endorsed by ...)

ข้าพเจ้า (นาย/นาง/นางสาว)
I am (Mr/Mrs/Ms) (Name in English)

รหัสนักศึกษา
Student Code

นักศึกษาระดับ ปริญญาเอก ปริญญาโท อื่นๆ
studying in Doctoral Degree Master's Degree Other

หมายเลขโทรศัพท์
Telephone No.

หลักสูตร ปกติ นานาชาติ อื่นๆ Email:
Program: Regular International Other

สาขาวิชา
Major/Field of Specialization

แบบ/แผน / คณะ
Type/Plan Faculty of

มีความประสงค์
would like to request for

(ลงนาม) นักศึกษา
(Signature) Student

..... (ลงนาม) อาจารย์ที่ปรึกษา (Signature) Student's Advisor (.....) / / (ลงนาม) ประธานฯ หลักสูตร/สาขา (Signature) Academic Program Chair (.....) / /
..... (ลงนาม) ประธานฯ บ.ศ. คณะ/บว. (Signature) Executive Program Chair (.....) / / (ลงนาม) คณบดีบัณฑิตวิทยาลัย (Signature) Dean of the Graduate School (.....) / /



แบบขออนุมัติเปลี่ยนชื่อหัวข้อ วิทยุบัณฑิต/วิทยานิพนธ์/การค้นคว้าแบบอิสระ
Request Form for Changing Title of Dissertation/Thesis/I.S.

บัณฑิตวิทยาลัย มหาวิทยาลัยเชียงใหม่
The Graduate School, Chiang Mai University

ข้าพเจ้า (นาย/นาง/นางสาว)

I am (Mr/Mrs/Ms)

นักศึกษาระดับ ปริญญาเอก ปริญญาโท อื่นๆ

studying in Doctoral Degree Master's Degree Other

หลักสูตร ปกติ นานาชาติ อื่นๆ Email:

Program: Regular International Other

สาขาวิชา

Major/Field of Specialization

แบบ/แผน / คณะ

Type/Plan Faculty of

ได้รับอนุมัติหัวข้อและ โครงร่างเพื่อทำ วิทยานิพนธ์ การค้นคว้าแบบอิสระ ในชื่อหัวข้อเรื่อง
the Title and Proposal for doing Dissertation/Thesis Independent Study has already been approved as the Title shown below

(Title in Thai)

(Title in English)

เมื่อวันที่ เดือน พ.ศ.
Date of Approval Month B.E.

มีความประสงค์จะขอเปลี่ยนชื่อหัวข้อฯ เป็นดังต่อไปนี้
but would like to change the Title to be:

(Title in Thai)

(Title in English)

เหตุผลที่ขอเปลี่ยน (โปรดระบุ):

Reason to Change: (please specify)

(ลงนาม) นักศึกษา

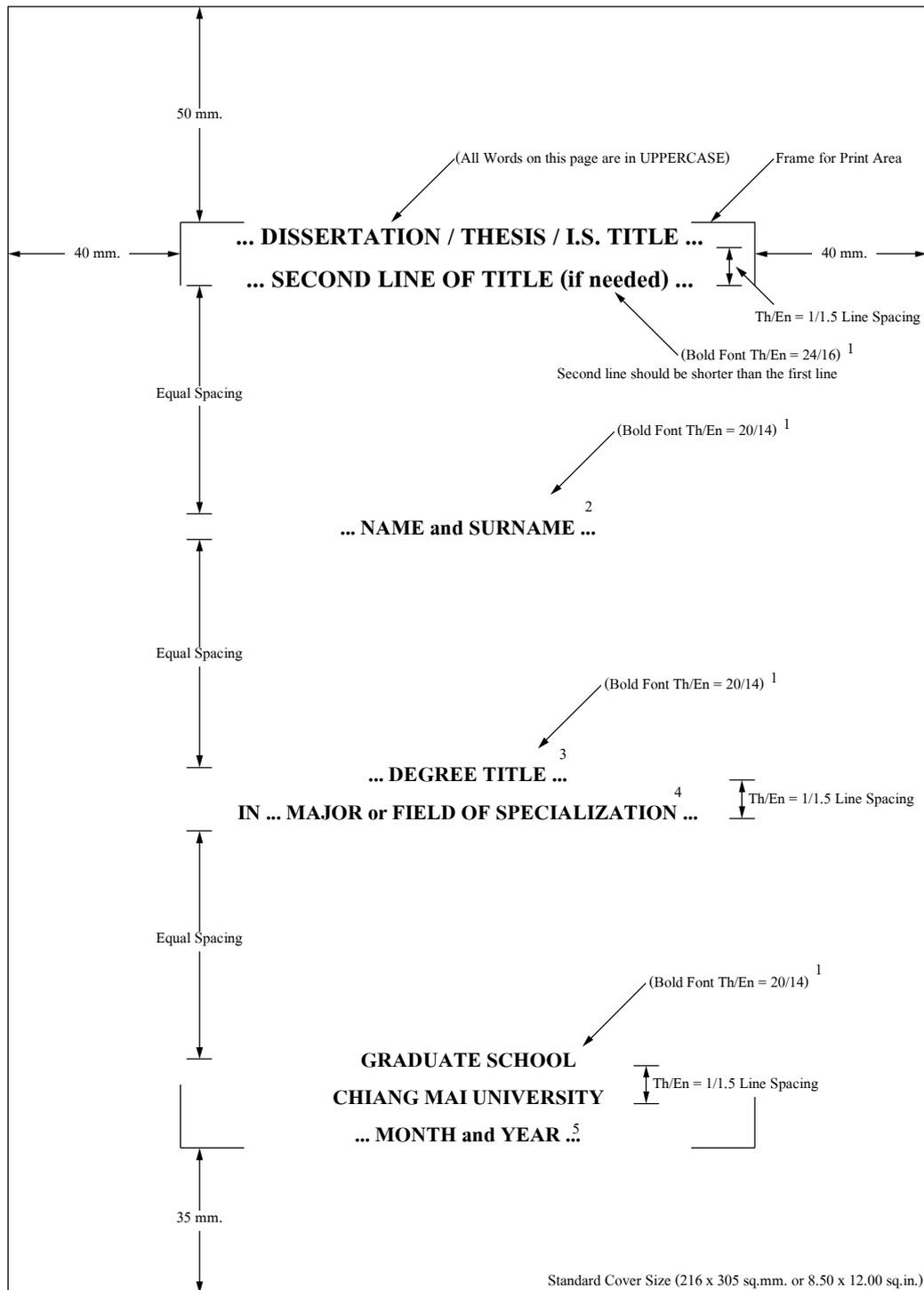
(Signature) Student

วันที่ / / Date/Month/Year

<p>.....</p> <p>(ลงนาม) อาจารย์ที่ปรึกษา (Signature) Dissertation/Thesis/I.S. Advisor (.....) / /</p>	<p><input type="checkbox"/> เห็นชอบโดย กก. สาขาฯ ในการประชุม/...../..... เมื่อ Consented by Academic Program Committee on/...../.....</p> <p>ความเห็นอื่น Other comments</p> <p>(ลงนาม) ประธานฯ หลักสูตร/สาขา (Signature) Academic Program Chair (.....) / /</p>
<p><input type="checkbox"/> เห็นชอบโดย กก. ประจำฯ ในการประชุม/...../..... เมื่อ Consented by Executive Program Committee on/...../.....</p> <p>ความเห็นอื่น Other comments</p> <p>(ลงนาม) ประธานฯ บ.ศ. คณะ/บว. (Signature) Executive Program Chair (.....) / /</p>	<p><input type="checkbox"/> ทราบ Acknowledged</p> <p>(ลงนาม) คณบดีบัณฑิตวิทยาลัย (Signature) Dean of the Graduate School (.....) / /</p>

Thesis Printing Format

ปกหน้า / Front Cover



For Dissertation and Thesis, Front Cover must be Black Hardcover (Hardback or ปกแข็ง) with Gold Printed Characters

For Independent Study Report, Front Cover must be White Softcover (Paperback or ปกอ่อน) with Blue Printed Characters

¹ (Font Th/En) is Font Size for Thai (1-Line Spacing Angsana New or UPC) or English (1.5-Line Spacing Times New Roman)

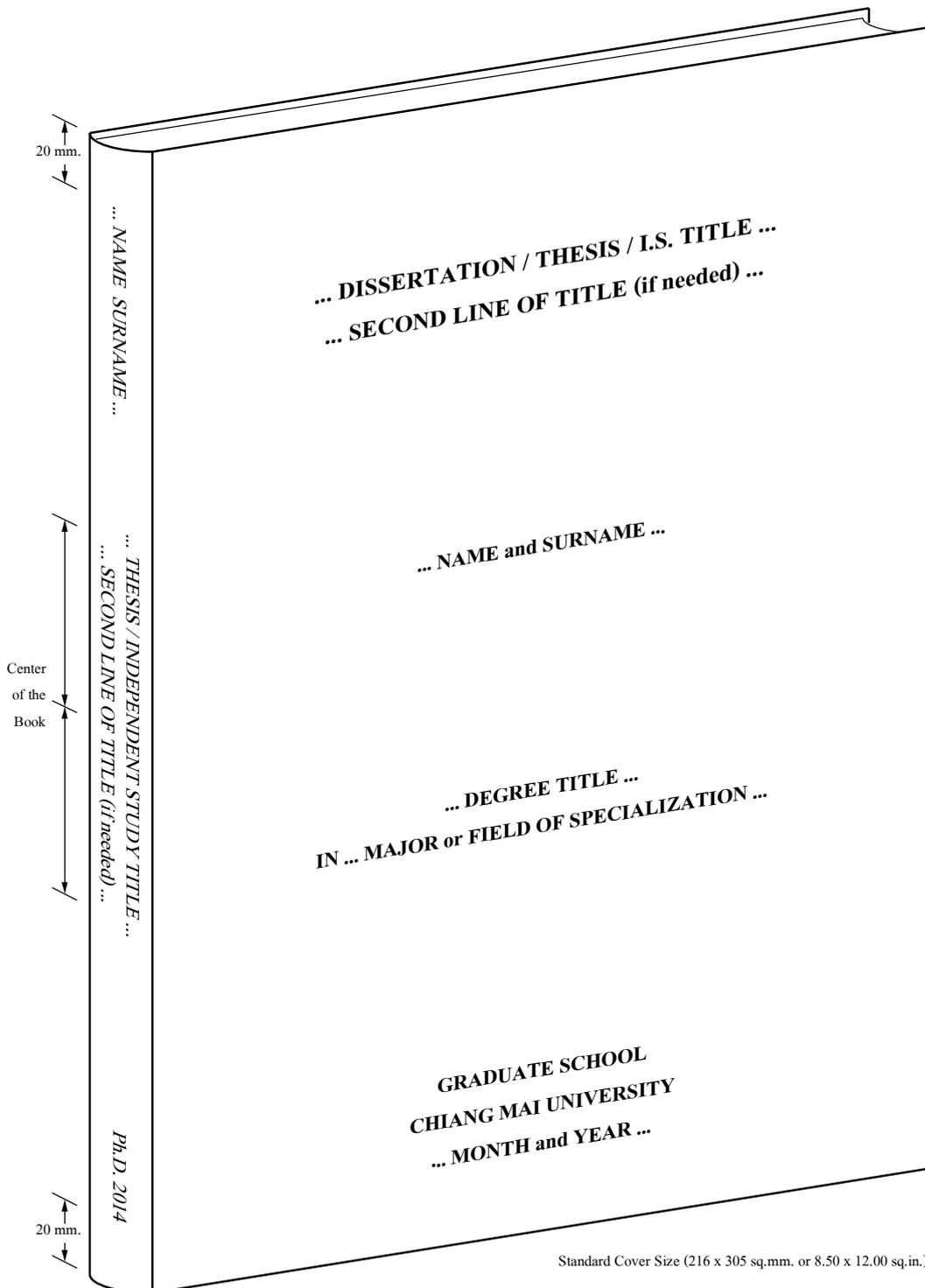
² NAME and SURNAME of the Author may include Middle Name, but without any title, rank, position, etc.

³ DEGREE TITLE for example: DOCTOR OF PHILOSOPHY, MASTER OF ENGINEERING, etc., ปรัชญาคุณวุฒิบัณฑิต ฯลฯ

⁴ MAJOR or FIELD OF SPECIALIZATION for example: ELECTRICAL ENGINEERING, BIOLOGY, สาขาวิชาภูมิศาสตร์

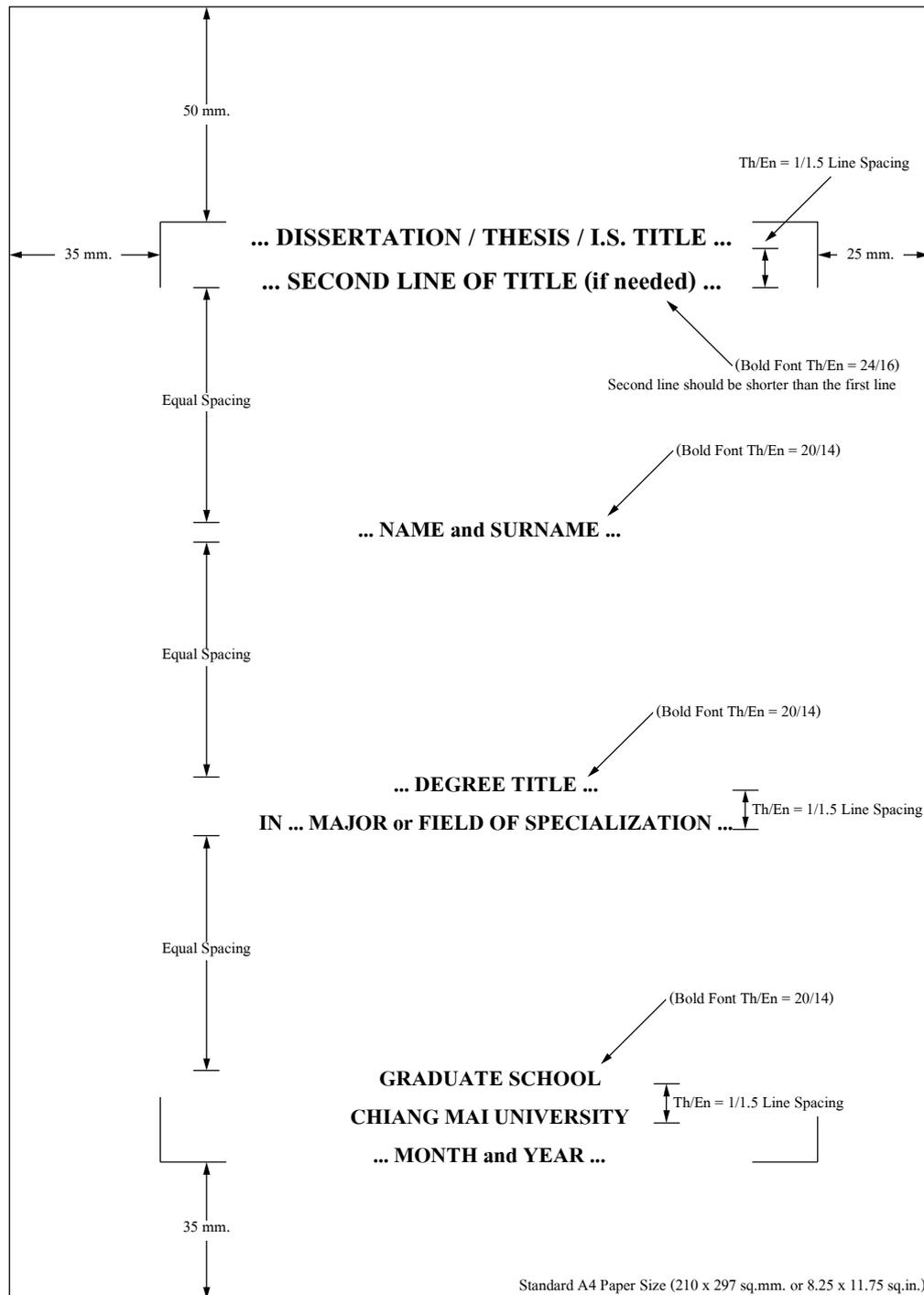
⁵ MONTH and YEAR for example: OCTOBER 2014, ตุลาคม 2557

การพิมพ์สันหนังสือ / Book Spine Printing



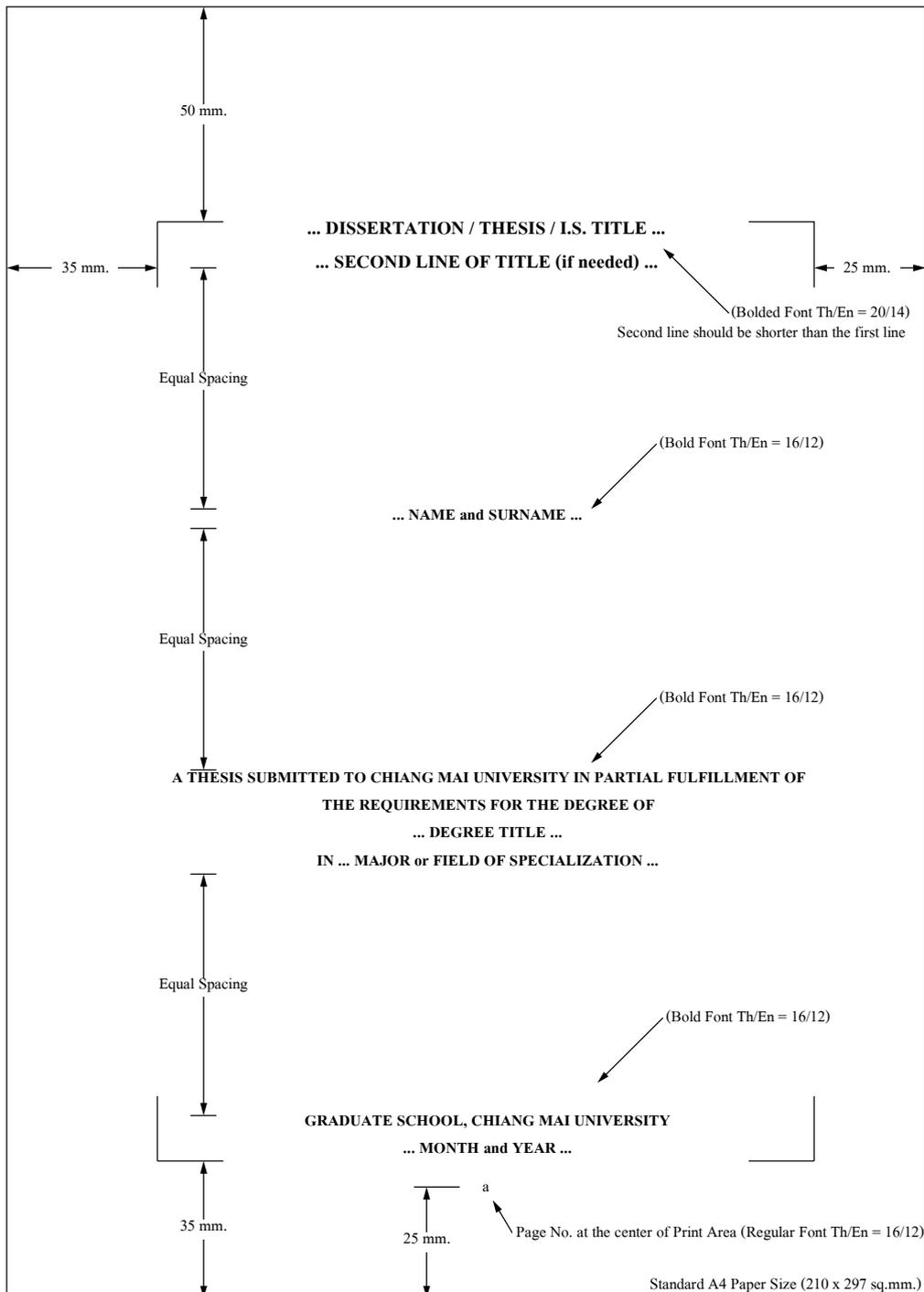
Book Spine is composed of three parts of printing. All texts are Center Aligned between Front Cover and Back Cover
 First part is NAME and SURNAME of the author without any title starting at 20 mm. from the top edge of the book spine
 Second part is one or two lines of the Title which is Horizontally and Vertically Center Aligned
 Third part is the Abbreviation of the Degree followed by the Year of granting without comma “,” in between
 The third part is Right Aligned at 20 mm. from the bottom edge of the book spine
 All Fonts are Bold in Thai or English up to the language used. Font Size is adjustable to the thickness of the book spine

หน้าปกใน / Inner Cover Page



Wordings and Font Sizes on the Inner Cover Page are similar to of the Front Cover, but printed with black ink (Laser Printer is Preferable) on white A4-standard paper sheet (210 x 297 sq.mm. or 8.25 x 11.75 sq.in.) Thesis/IS may be written in Thai mixing with English or English Only. In case of Thai with English, Single Line Spacing Angsana New or Angsana UPC Font is used. For English only, 1.5-Line Spacing Time New Roman Font is used instead Normally, Thesis/IS is printed on Single-Side Paper Sheets, but may be printed on Double-Side Paper Sheets depending on the Thickness of the Book, say 250 pages or more For Single-Side Printing, 80 gram Paper Density is used. For Double-Side Printing, the Paper Density should be 100 gram However, Front Matter, from Inner Cover Page to Abstract in English, should be printed on Single-Side Paper Sheets

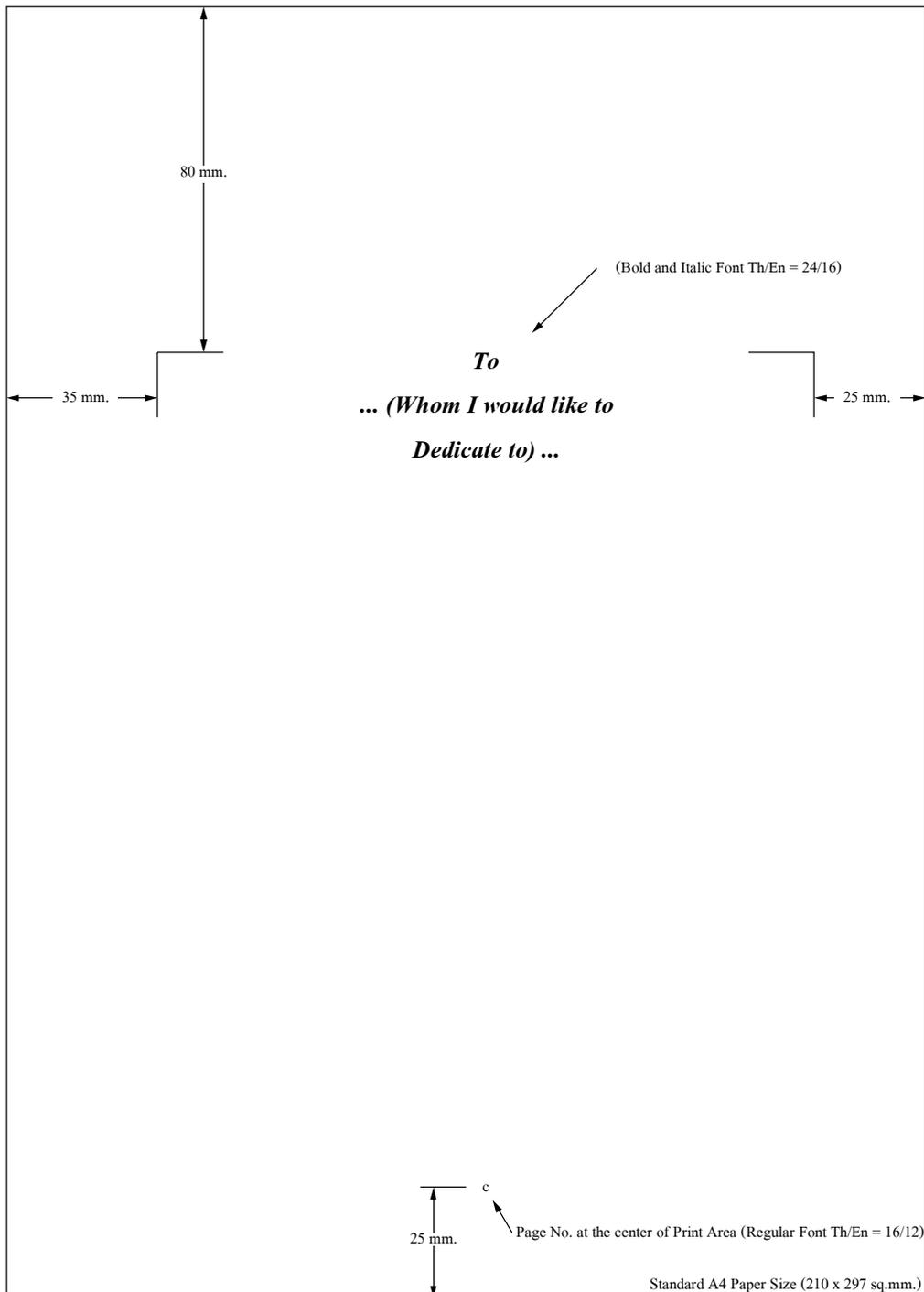
หน้าหัวข้อ / Title Page



Words on this Title Page are similar to of the Inner Cover Page but font sizes are proportionally reduced as specified above

This Title Page is ordered as the First Page of the Front Matter by using Running Page Alphabets/Numbers placed at the center of the print area with 25 mm. above the lower edge of the paper sheet English Alphabets "a", "b", "c", ... or Roman Number "i", "ii", "iii", ... can optionally be used for English Writing Thesis Thai Characters "ก", "ข", "ค", ... is used for Thai Writing Thesis

หน้าคำอุทิศ / *Dedication Page*



Dedication Page is Optional and placed next after the Title Page

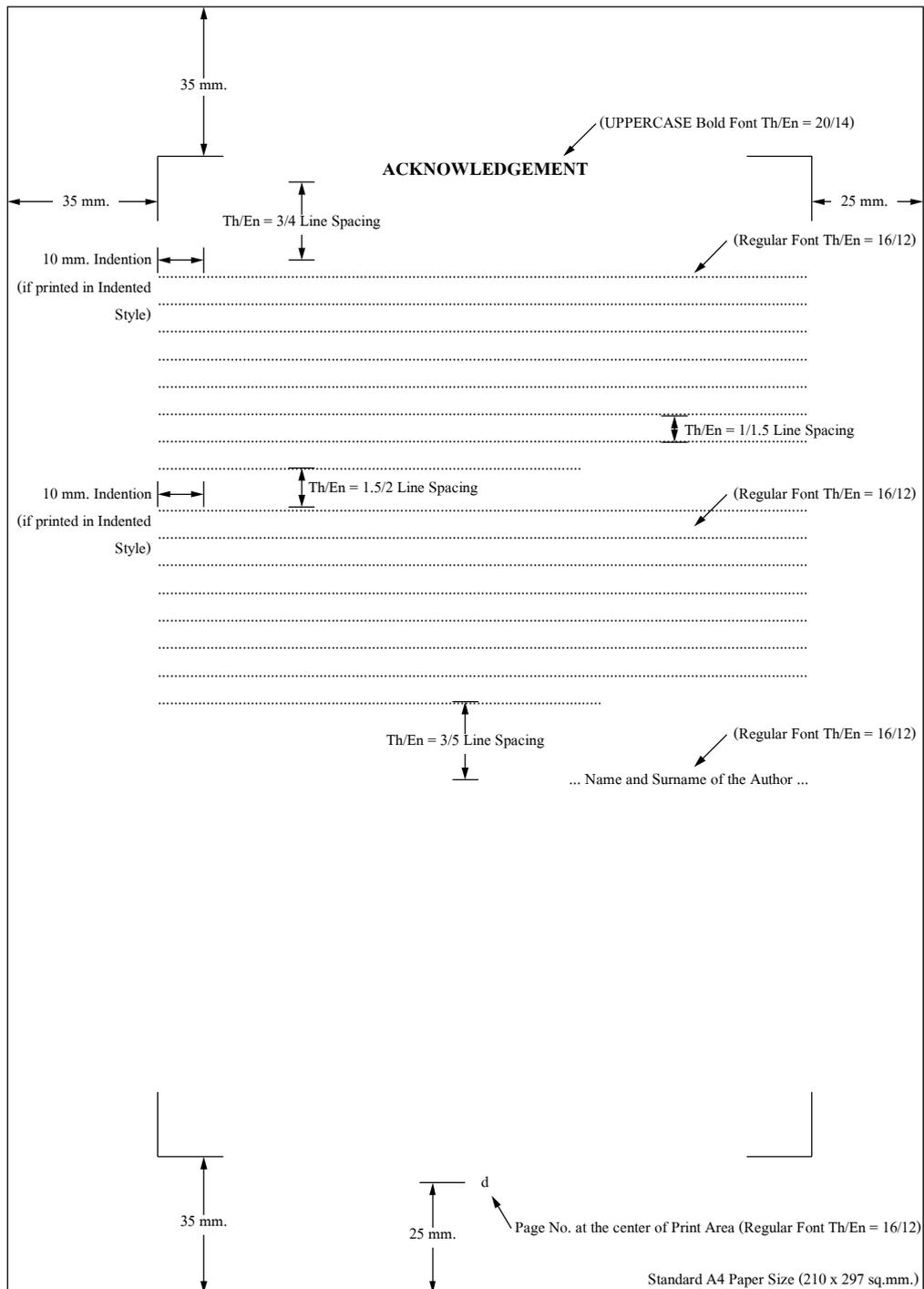
It can be one or multiple lines of words dedicated to one(s) who beloved, inspiring or supporting the author

in order to make the Thesis successful

If available, the Dedication Page is ordered as the third page of the Front Matter and should be page “c” or “iii” for English

or “ค” for Thai

หน้ากิตติกรรมประกาศ / Acknowledgement Page



Acknowledgement Page is for expressing the Author's Appreciation to anybody or for recognizing people or institutions who did help the author doing research and/or writing Thesis/Independent Study

Statement of Acknowledgement may be one or more Paragraphs and end up with Name and Surname of the Author Without any Title

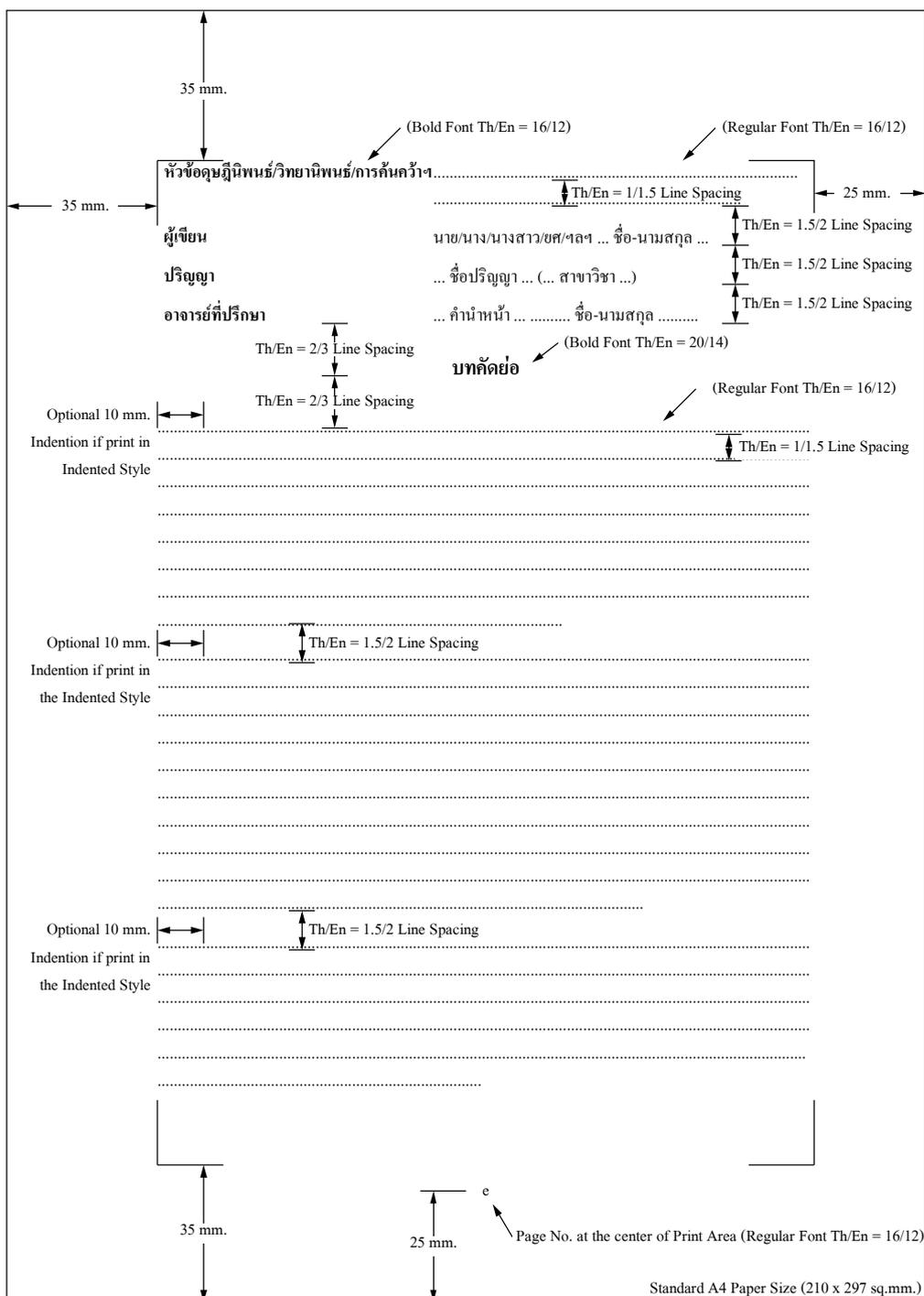
This Acknowledgement Page is next after the Dedication Page and ordered as the fourth page of the front matter

Note: The example shown above is printed in the Block Style (No Indentation on the First Line of Each Paragraph)

If it is printed in the Indented Style, the First Line of Each Paragraph must be started at 10 mm. to the right of paragraph

When the author chooses either Block Style or Indented Style, the Same Style must be used for the whole Thesis/I.S.

หน้าบทคัดย่อภาษาไทย / Abstract (in Thai) Page



Abstract is a Brief Summary of the Dissertation/Thesis/I.S. describing the Whole Story of the work done within One Page
It may be divided into paragraphs starting from the Background, Rationale, until Output and Outcome of the research work

Especially, it should describe the Main Contribution of the author to the Academic and/or Professional Development

On this page, the name of the author should begin with title(s)

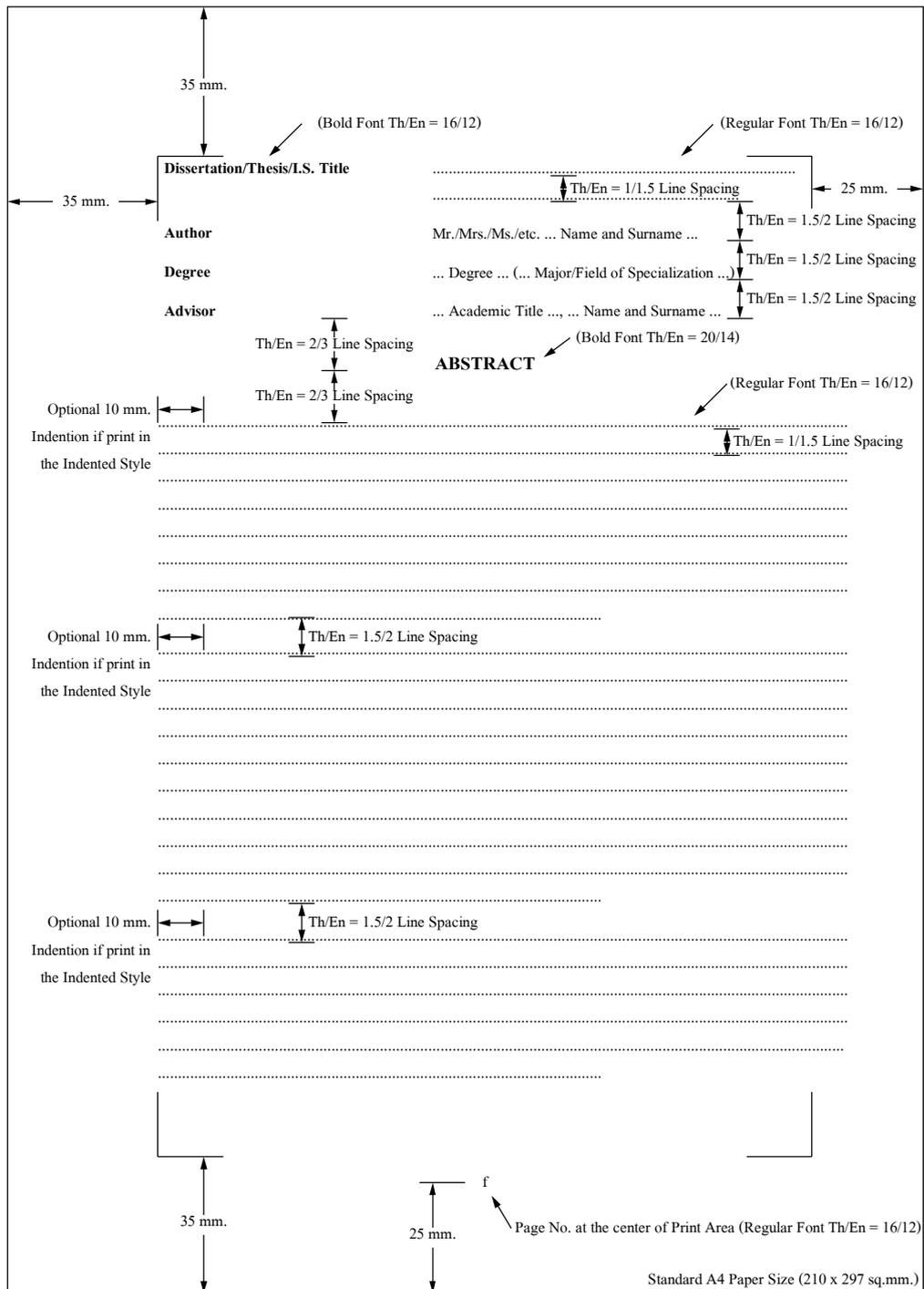
Every Thesis or Independent Study Report must have Abstract in Both Thai and English on Separate Pages

This Thai Abstract (บทคัดย่อ) Page is next after the Acknowledgement Page

and ordered as page "e" or "v" (Roman Number) for English writing or "จ" for Thai writing

Block Style or Indented Style must be same as the style used in the Acknowledgement Page and also the Rest of the Book

หน้าบทคัดย่อภาษาอังกฤษ / Abstract (in English) Page



Abstract is a Brief Summary of the Dissertation/Thesis/I.S. describing the Whole Story of the work done within One Page
 It may be divided into paragraphs starting from the Background, Rationale, until Output and Outcome of the research work
 Especially, it should describe the Main Contribution of the author to the Academic and/or Professional Development
 On this page, the name of the author should begin with title(s)
 Every Thesis or Independent Study Report must have Abstract in Both Thai and English on Separate Pages
 This English Abstract (บทคัดย่อ) Page is next after the Abstract (in Thai) Page
 and ordered as page “f” or “vi” (Roman Number) for English writing or “ฉ” for Thai writing
 Block Style or Indented Style must be same as the style used in the Acknowledgement Page and also the Rest of the Book

หน้าสารบัญตาราง (ทางเลือก) / List of Tables Page (Optional)

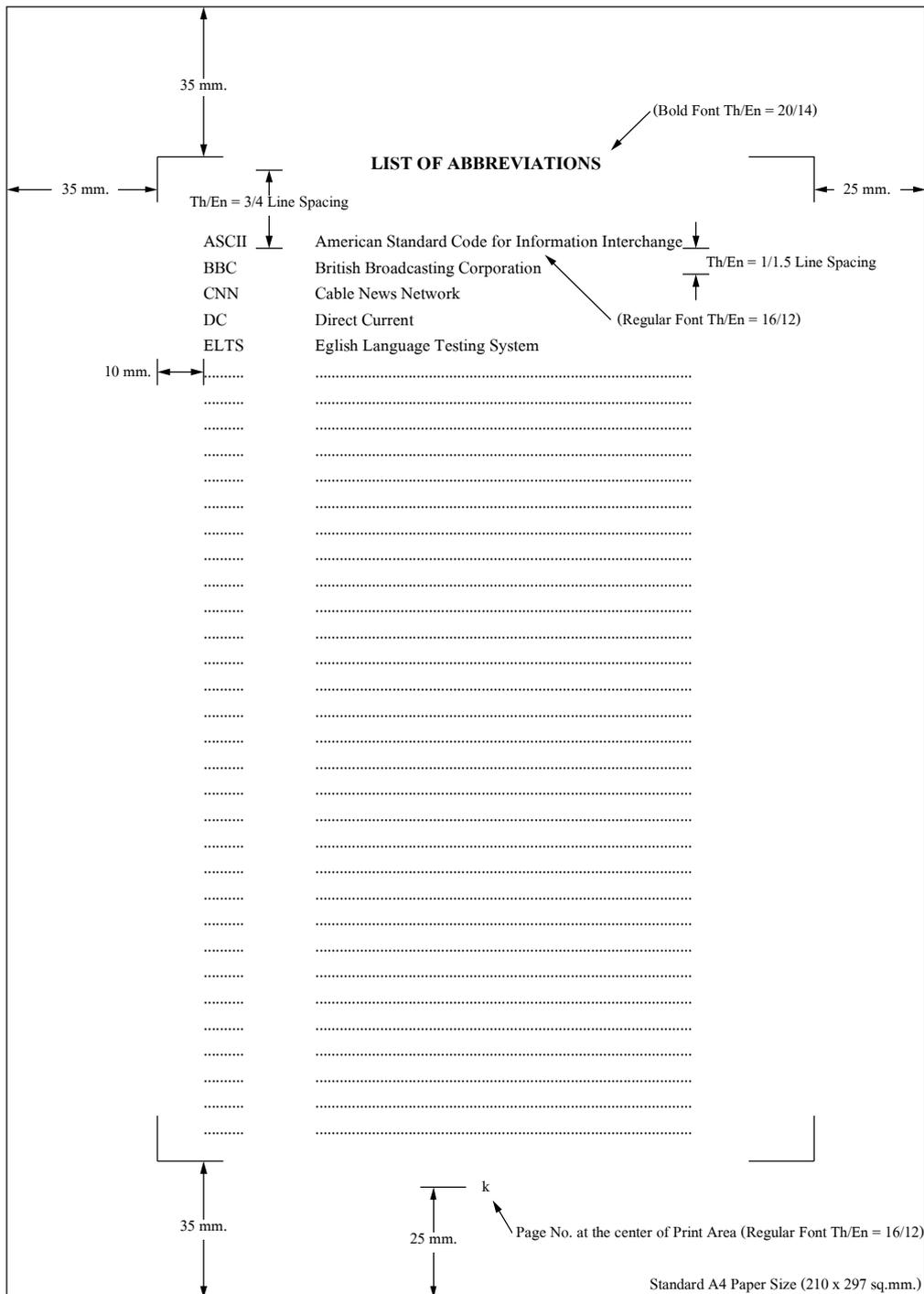
LIST OF TABLES		Page
1.1		7
1.2		9
1.3		10
1.4		11
2.1		13
2.2		15
2.3		17
2.4		18
2.5		19
2.6		23

หน้าสารบัญภาพ (ทางเลือก) / List of Figures Page (Optional)

LIST OF FIGURES		Page
1.1		7
1.2		9
1.3		10
1.4		11
2.1		13
2.2		15
2.3		17
2.4		18
2.5		19
2.6		23

List of Tables and List of Figures may optionally be arranged in the formats shown above
The word "Table" and "Figure" are placed above the Table Numbers and Figure Numbers on each section
rather than placed in front of each Table Number and Figure Number

หน้ารายการอักษรย่อ / *List of Abbreviations Page*

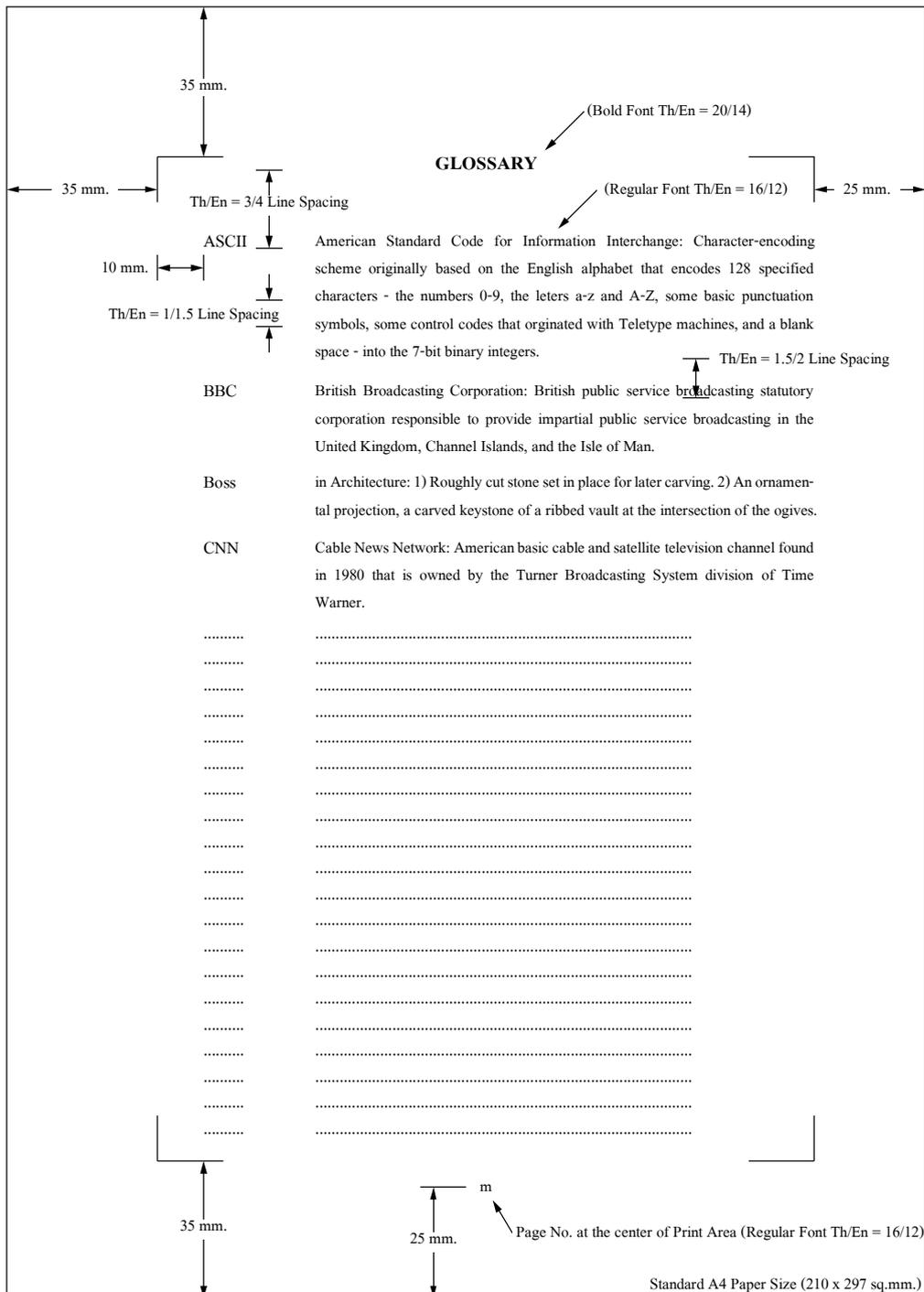


List of Abbreviations may be in the Form of List as shown above or in the Form of Table

They may be Left Aligned or may be moved a little to the right, say 10 mm., in order to make this page easy-to-read

List of Abbreviation Page is optional, if applicable it should be next after the List of Figures Page

หน้าอภิธานศัพท์ / Glossary Page



Glossary is an Alphabetical List of Terms with Definitions in a Specific Area of Knowledge

Sometimes, Abbreviations are also included in this section but more details are described

Terms listed in this part are normally Jargon in the Field of Specialization

Glossary may be in the Form of List as shown above or in the Form of Table. They may be Left Aligned or may be moved a

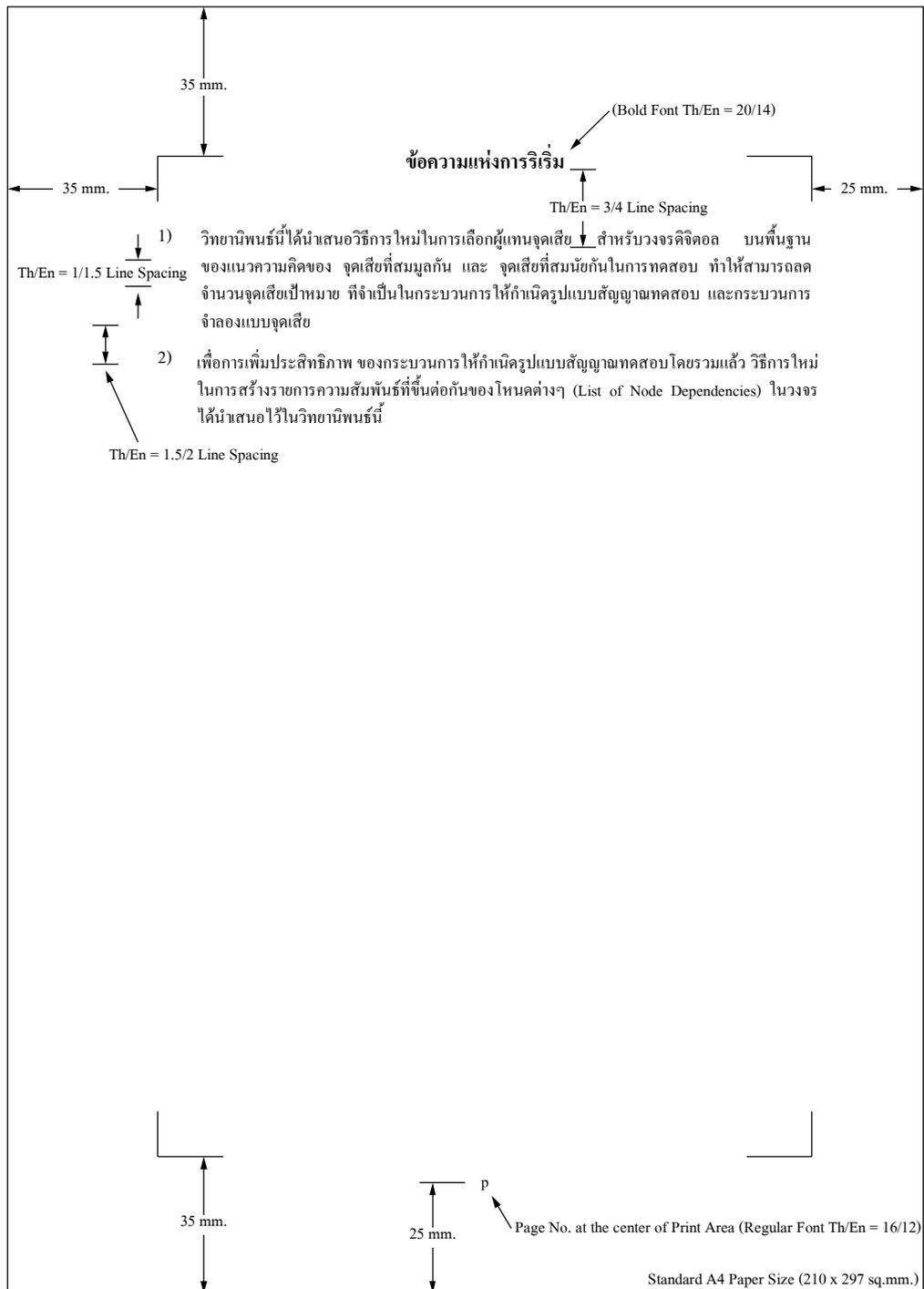
little to the right, say 10 mm., in order to make this page easy-to-read

Glossary Page is optional, if applicable it should be just before the Statement of Originality Page

Sometimes it is put as a part in the Appendix Section or in a Separate Section at the end of the book, rather than in the Front

Matter, due to the Limitation in the Number of Pages in the Front Matter

หน้าข้อความแห่งการริเริ่ม / Statement(s) of Originality Page



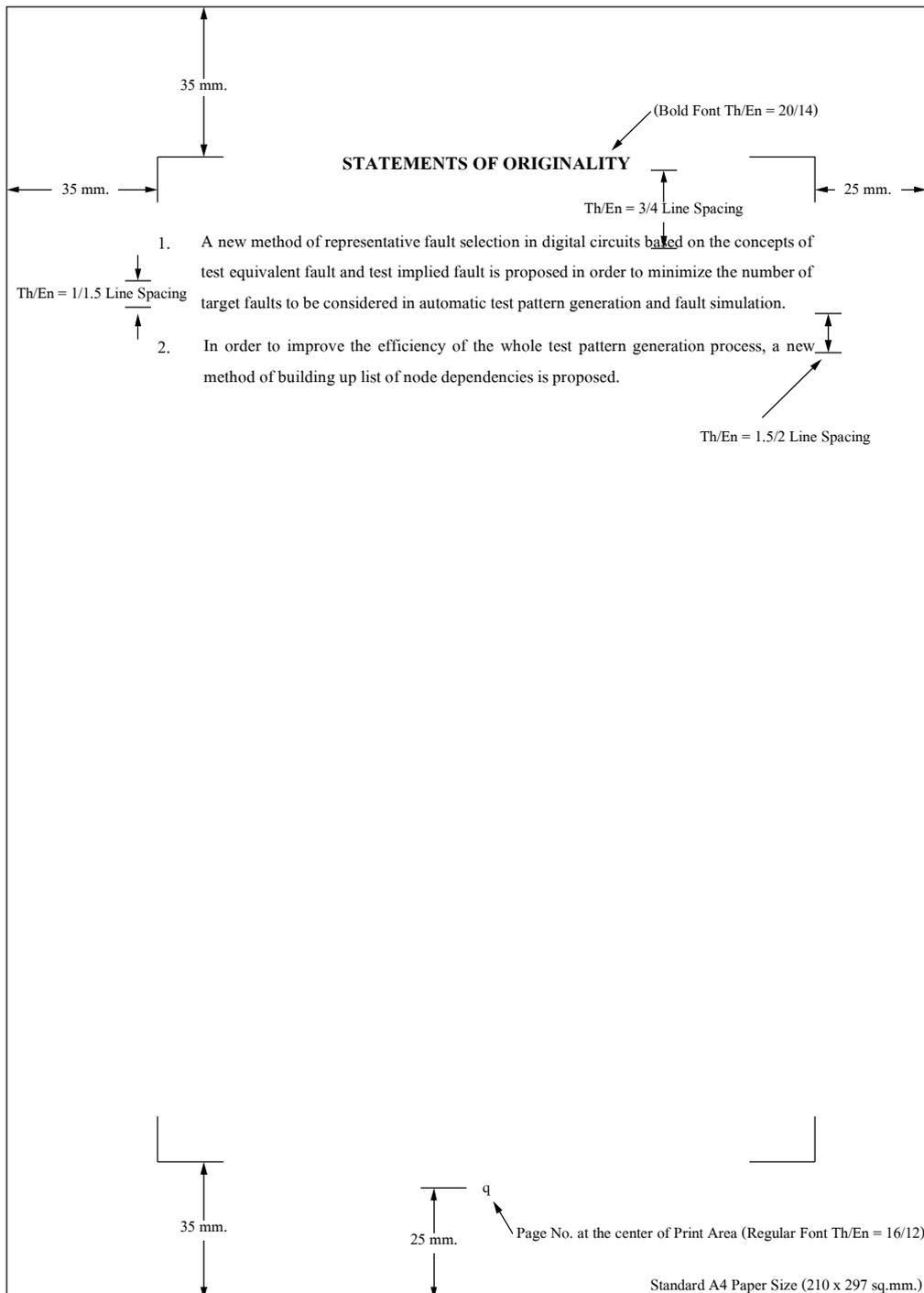
Statement(s) of Originality is to declare and claim the Author's Own Work which it does not contain any materials previously published or written by other people, or accepted for any other degree or diploma at any educational institution

Statement(s) of Originality could be more than one sentence, if there are more than one originality created by the author

Each originality should be stated in a separate sentence or paragraph

Statements of Originality in Both Thai and English Languages are required in Separate Pages and are mandatory for Dissertation or Doctoral Degree Thesis

หน้าข้อความแห่งการริเริ่ม / *Statement(s) of Originality Page*



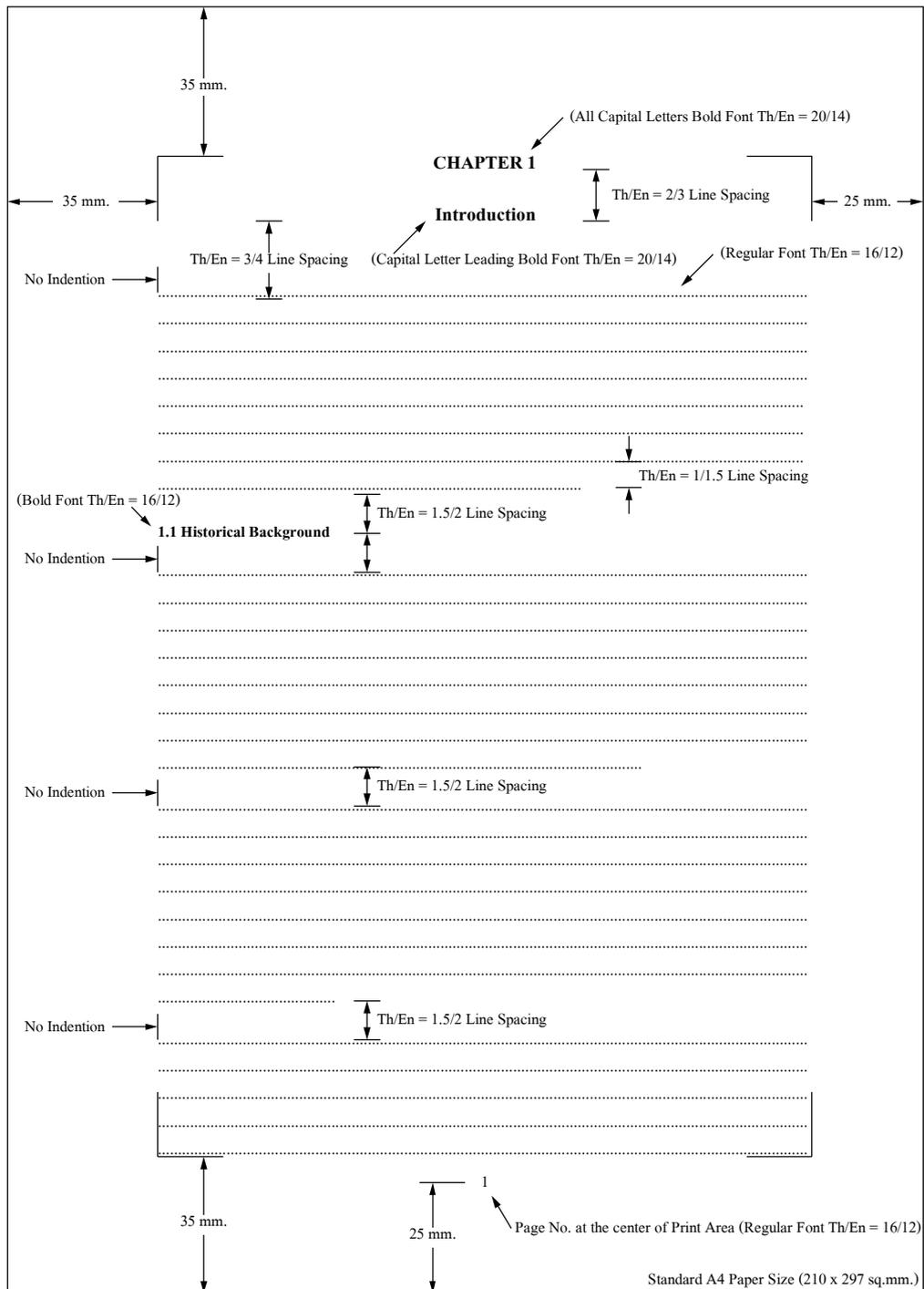
Statement of Originality is to declare and claim the Author's Own Work which it does not contain any materials previously published or written by other people, or accepted for any other degree or diploma at any educational institution

Statement of Originality could be more than one sentence, if there are more than one originality created by the author

Each originality should be stated in a separate sentence or paragraph

Statements of Originality in Both Thai and English Languages are required in Separate Pages and are mandatory for Dissertation or Doctoral Degree Thesis

หน้าแรกของบทแบบบล็อก / *Block Style First Page of Chapter*



The First Line "CHAPTER X" is all Capital Letters with Bold Font sized 20 or 14 for Thai or English respectively

The Title of Chapter, is capital letter begun words with bold font sized 20 or 14 for Thai or English respectively

The Main Subtitles or First Level Subtitle (x.x ...) of Chapters are Bold Font sized 16 or 12 for Thai or English respectively

The First Level Subtitles and Body Text (Paragraphs) under them are Left Justified (no indentation)

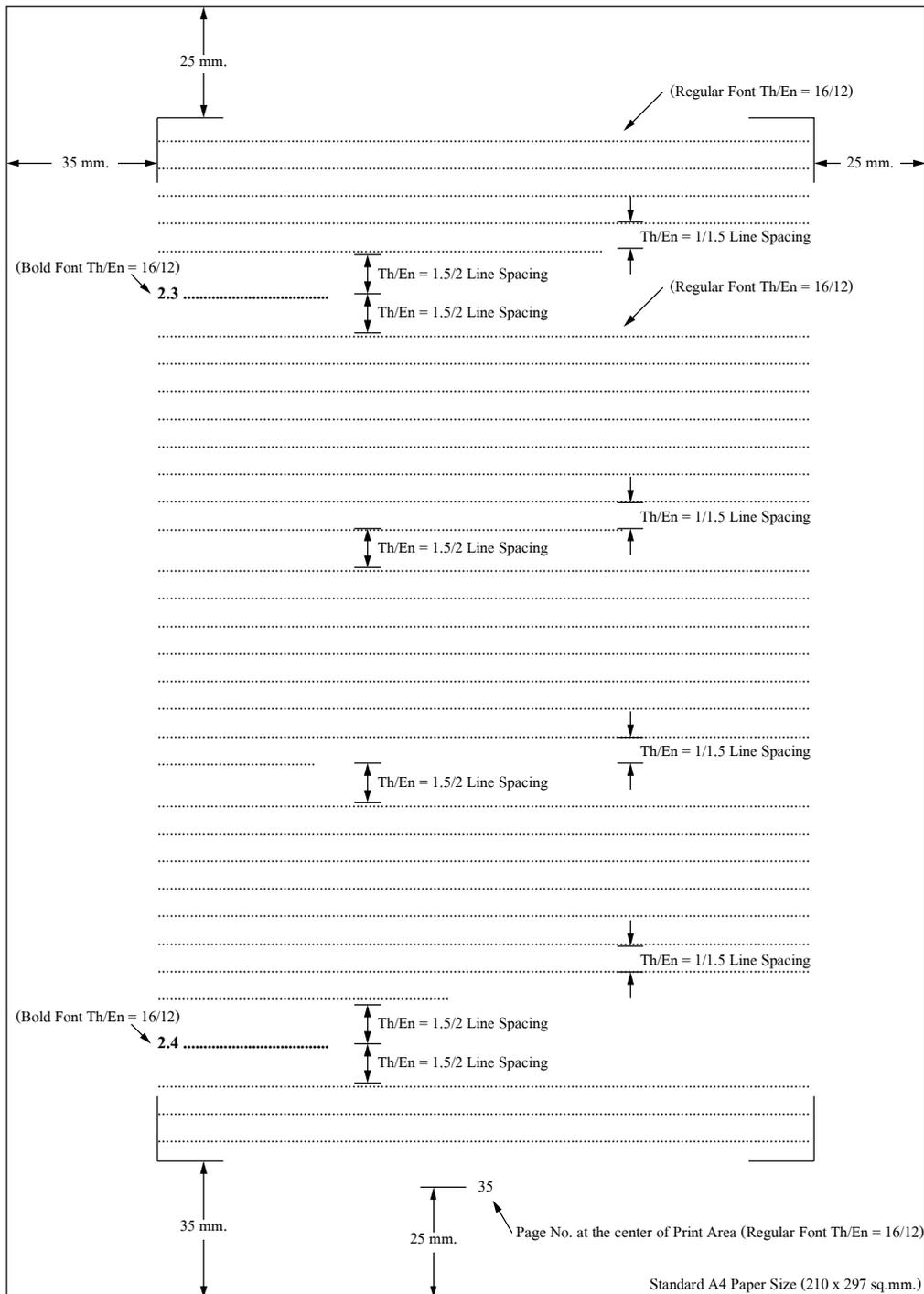
Normal Line Spacing for Thai (Angsana New) is Single Line Spacing

Normal Line Spacing for English (Times New Roman) is 1.5 Line Spacing

Spacing between Paragraphs and Main Subtitles for Thai and English are 1.5 and 2 Line Spacing respectively

The First Page of CHAPTER 1 is started to count as Page 1

หน้าเนื้อหาแบบบล็อก / *Block Style Text Page*



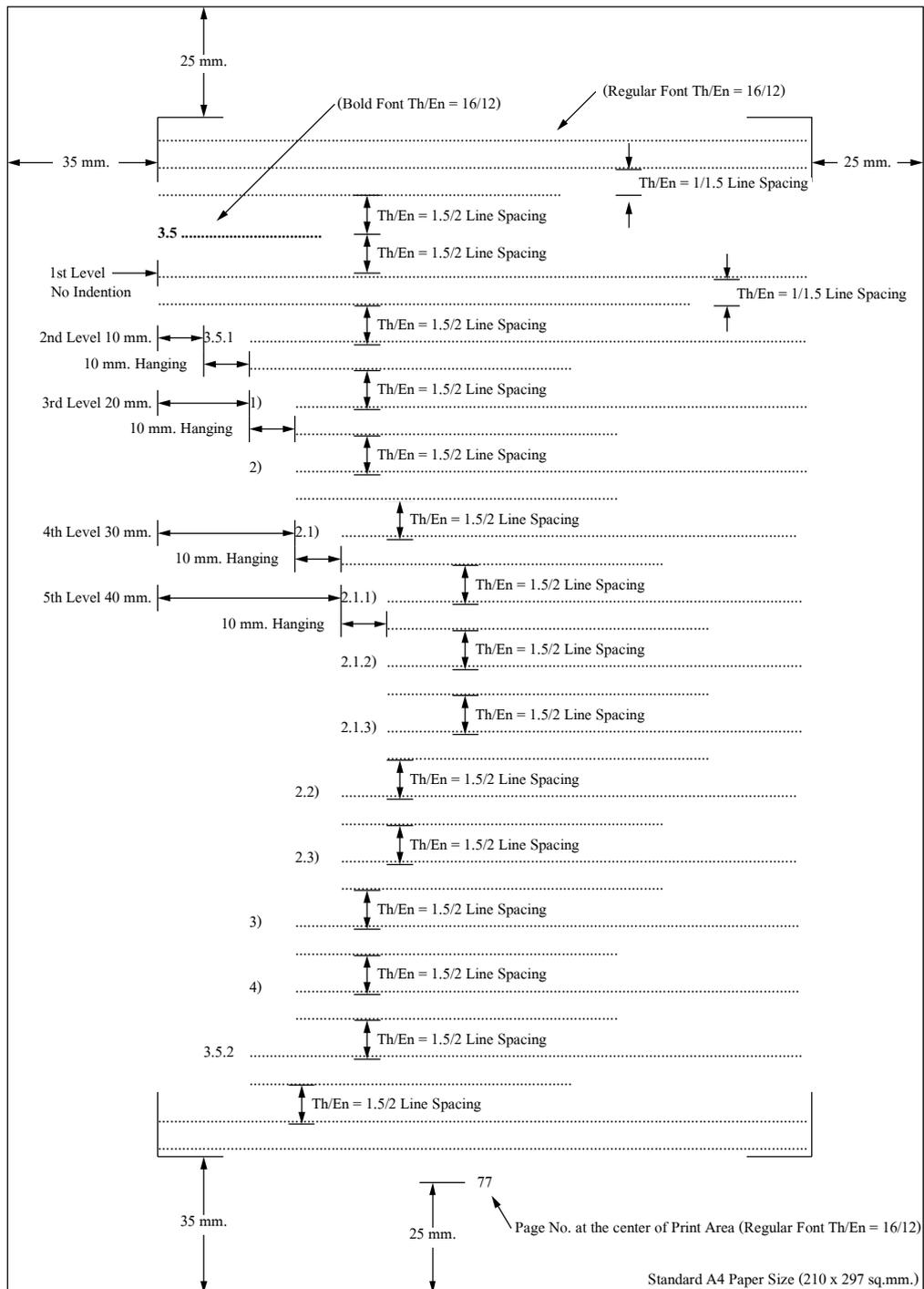
Every Body Text Page (except frist page of each chapter) must be printed within the Frame with distances from each side of the paper edges as shown below

Margins from the top edge = 25 mm., from the buttom edge = 35 mm., from the left edge (or book spine side) = 35 mm. and from the right edge (or opposite side of the book spine) = 25 mm.

The page number is still at the center of the print area with 25 mm. above the buttom edge of the A4-sheet

The Block Style, there is no indention on the first line of each paragraph

การจัดหัวข้อย่อยแบบบล็อก / *Block Style Subtitles*

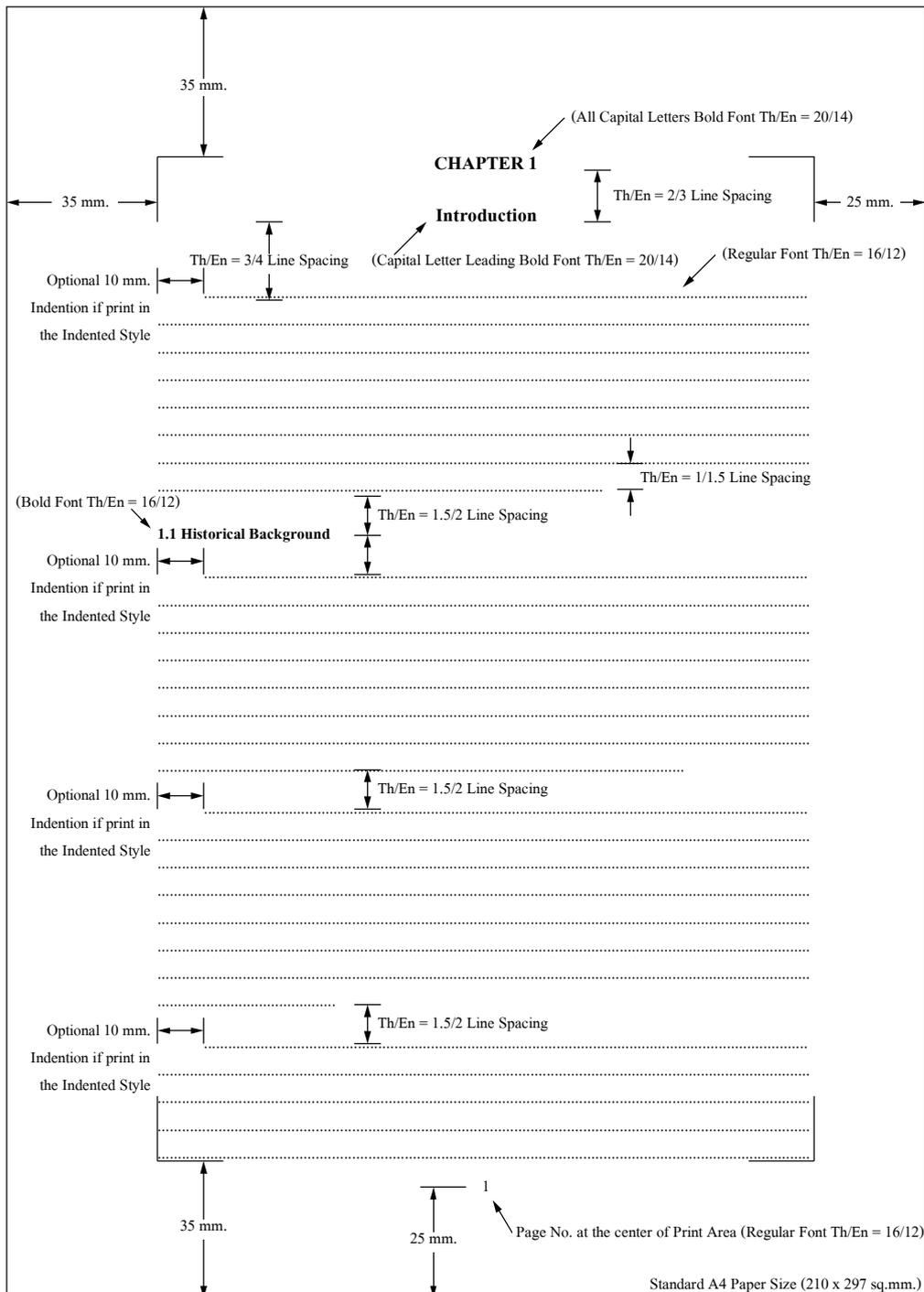


First Level Subtitles of Chapters begin with Chapter Number followed by a dot “.” and a running number starting from 1 e.g., 1.1 ..., 1.2 ..., 1.3 ... and so on. Second Level Subtitles use the same system as the First Level’s, by adding a dot “.” and a running number starting from 1, e.g., 1.1.1 ..., 1.1.2 ..., 1.1.3 ... and so on. When the numbers of subtitles reach three sets, the system is changed to include Close Round Bracket (Parenthesis “()”), e.g., 1) ..., 2) ..., ..., 3.3.1) ... 3.3.2) ... and so on, until they reach three sets of numbers the system is changed to include Open and Close Round Bracket (“(...)”), e.g., (1) ..., (2) ..., ..., (3.4.1) ..., (3.4.2) ... and so on. Only the First Level Subtitles and Texts under them are Justified with No Indentation

Deeper Level Subtitles are printed in the Hanging Style with 10 mm. leading by the Number of Subtitles

Each Level of Subtitles is shifted 10 mm. more to the right from the previous level

หน้าแรกของบทแบบเยื้อง / *Indented Style First Page of Chapter*



The First Line "CHAPTER X" is all Capital Letters with Bold Font sized 20 or 14 for Thai or English respectively

The Title of Chapter, is capital letter begun words with bold font sized 20 or 14 for Thai or English respectively

The Main Subtitles or First Level Subtitle (x.x ...) of Chapters are Bold Font sized 16 or 12 for Thai or English respectively

The First Level Subtitles and Body Text (Paragraphs) under them are Left Justified (no indentation)

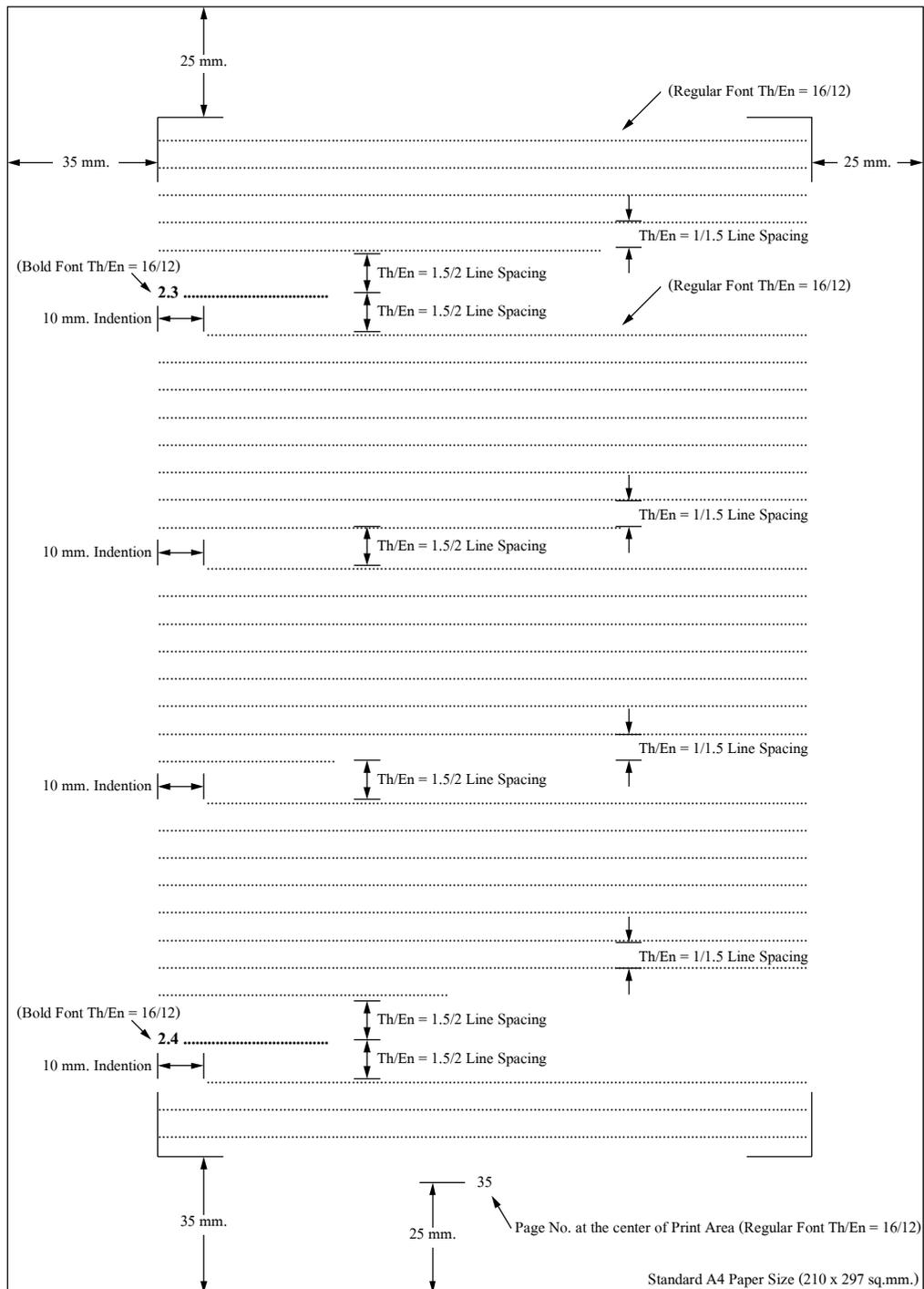
Normal Line Spacing for Thai (Angsana New) is Single Line Spacing

Normal Line Spacing for English (Times New Roman) is 1.5 Line Spacing

Spacing between Paragraphs and Main Subtitles for Thai and English are 1.5 and 2 Line Spacing respectively

The First Page of CHAPTER 1 is started to count as Page 1

หน้าเนื้อหาแบบเยื้อง / Indented Style Text Page



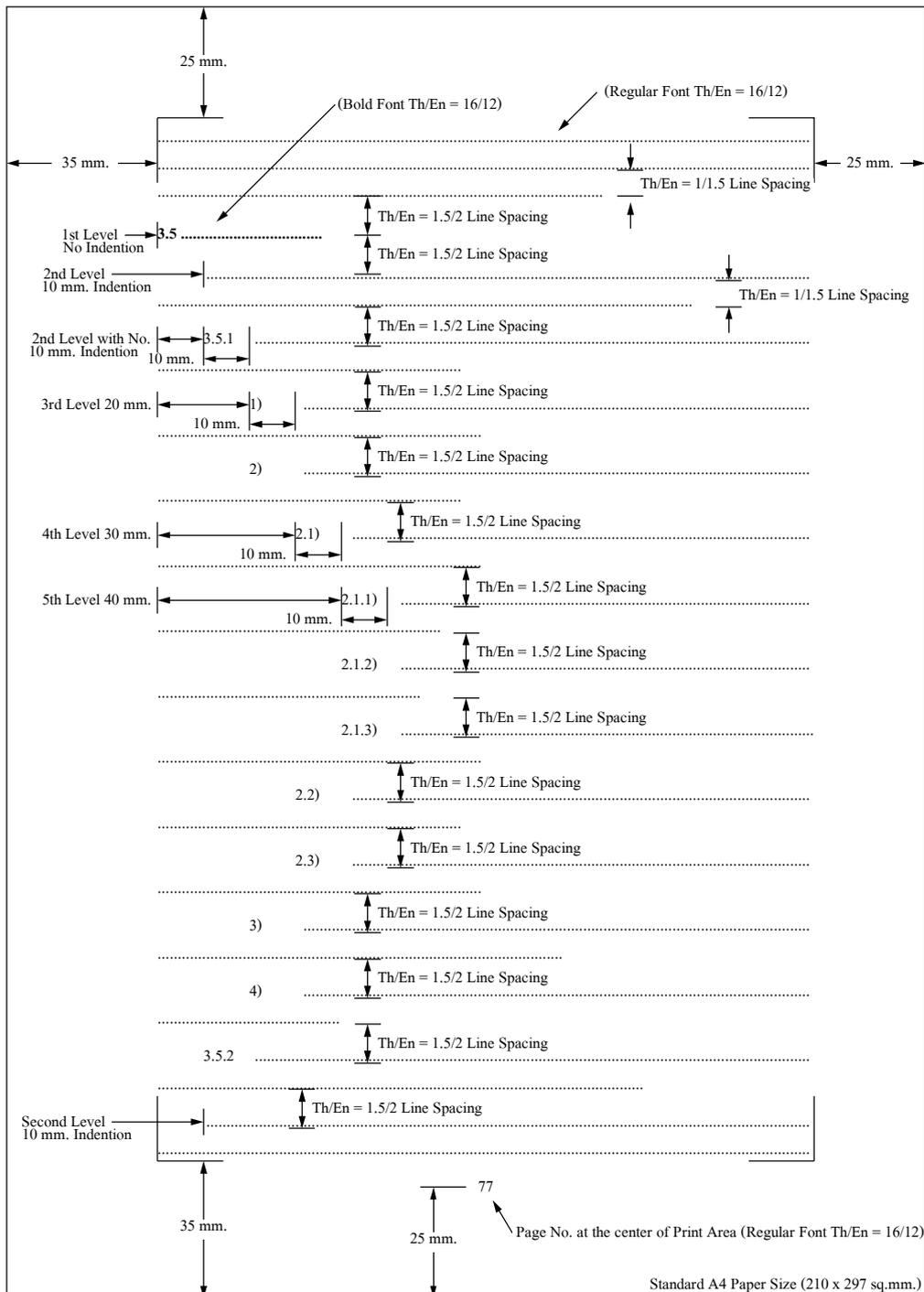
Every Body Text Page (except the frist page of each chapter) must be printed within the Frame with distances from each side of the paper edges as shown below

Margins from the top edge = 25 mm., from the buttom edge = 35 mm., from the left edge (or book spine side) = 35 mm. and from the right edge (or opposite side of the book spine) = 25 mm.

The page number is still at the center of the print area with 25 mm. above the buttom edge of the A4-sheet

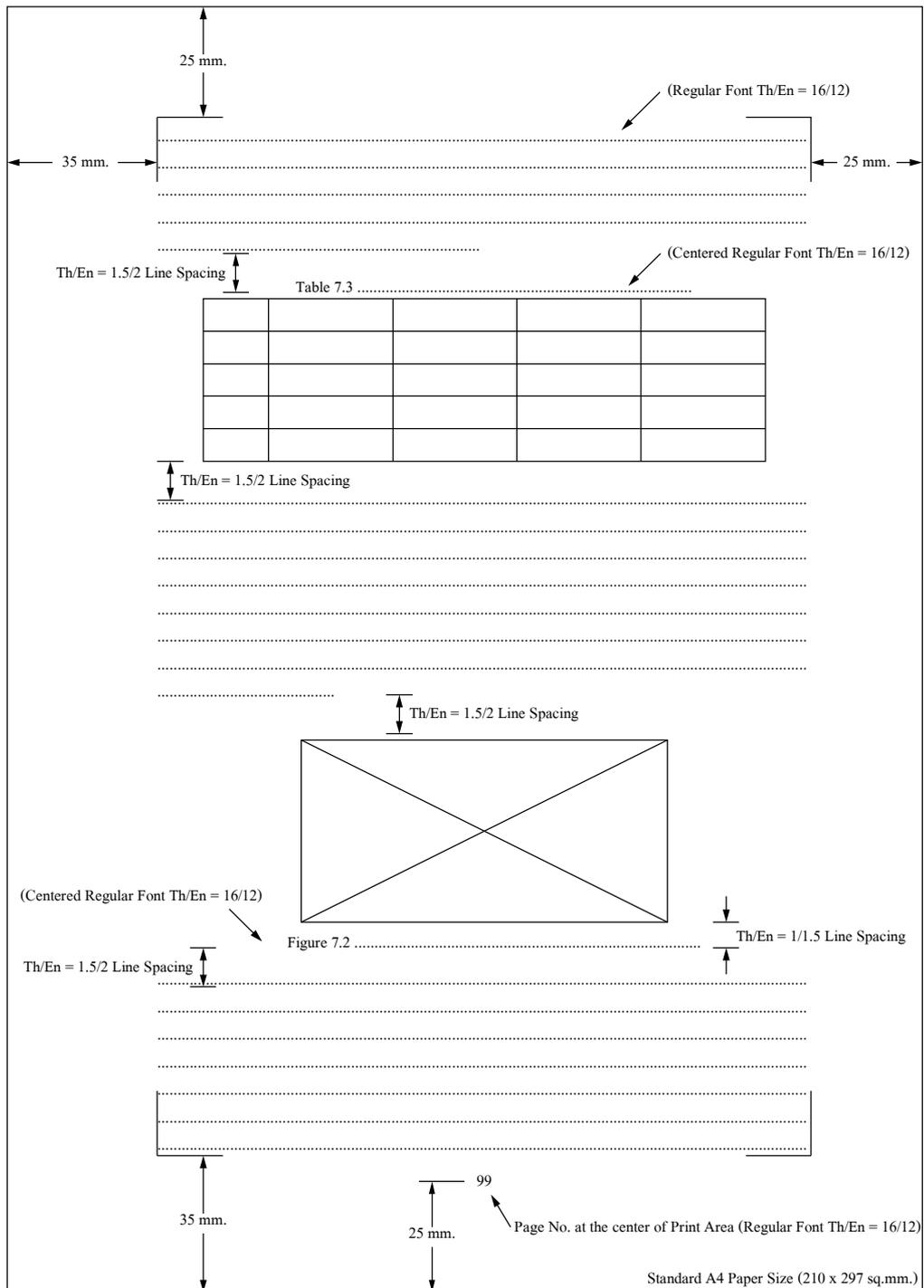
In the Indented Style, the First Line of the First Level of each paragraph must be printed at 10 mm. indention to right

การจัดหัวข้อย่อยแบบเยื้อง / *Indented Style Subtitles*



First Level Subtitles of Chapters begin with Chapter Number followed by a dot “.” and a running number starting from 1 e.g., 1.1 ..., 1.2 ..., 1.3 ... and so on. Second Level Subtitles use the same system as the First Level’s, by adding a dot “.” and a running number starting from 1, e.g., 1.1.1 ..., 1.1.2 ..., 1.1.3 ... and so on. When the numbers of subtitles reach three sets, the system is changed to include Close Round Bracket (Parenthesis “”), e.g., 1) ..., 2) ..., ..., 3.3.1) ... 3.3.2) ... and so on, until they reach three sets of numbers the system is changed to include both Open and Close Round Bracket “(...)”, e.g., (1) ..., (2) ..., ..., (3.4.1) ..., (3.4.2) ... and so on. All Paragraphs under the First Level Subtitles and Second Level Subtitles leaded by Numbers are indented 10 mm. from the left margin. Deeper Level Subtitles are indented 10 mm. more on each level Texts from the Second Line on each paragraph and subtitles are Justified with Left Aligned to the Left Margin

คำอธิบายตารางและภาพ / Table and Figure with Description



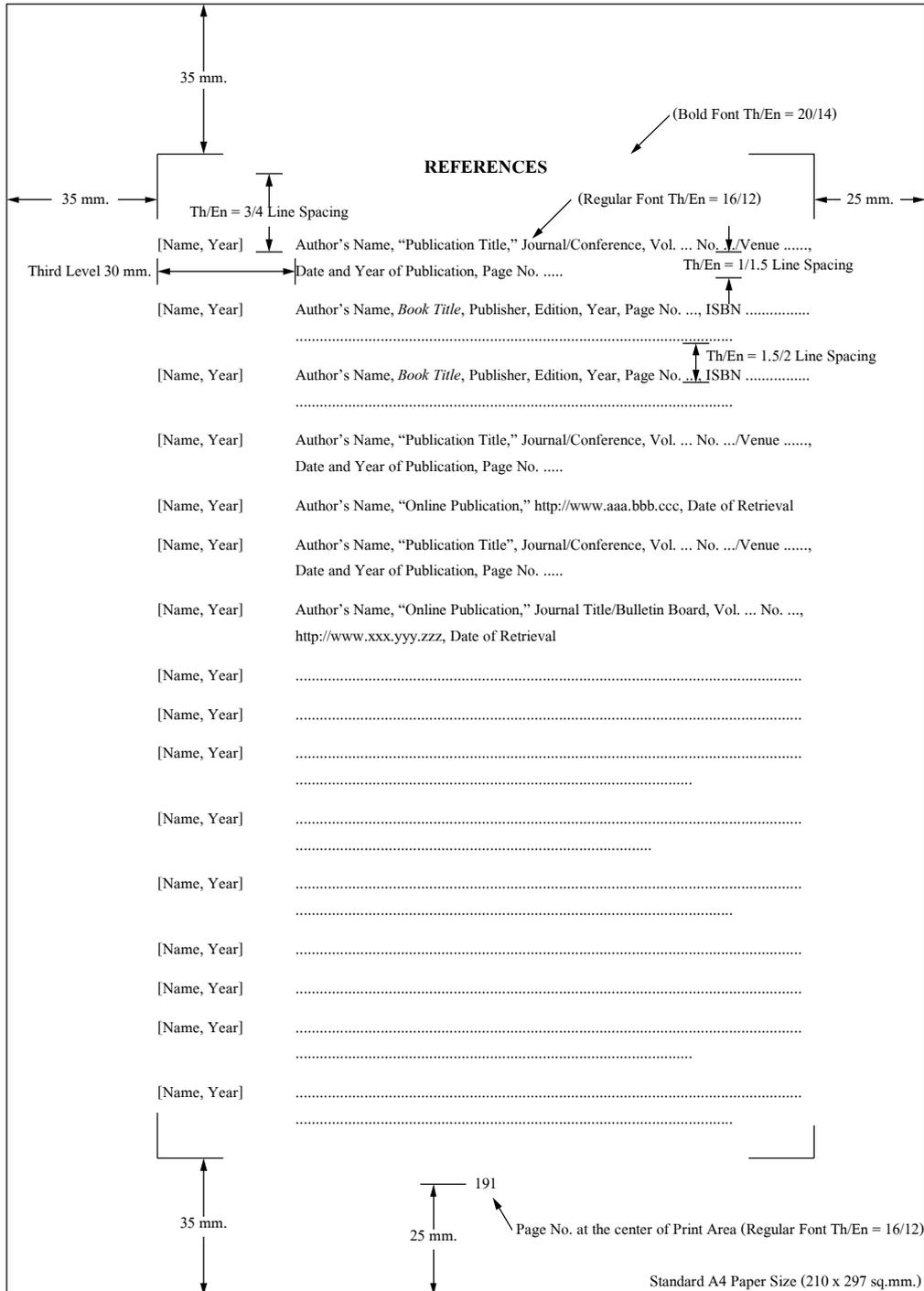
Tables and Figures with their Descriptions must be placed horizontally at the center of the print area
If possible they should be placed next to the paragraph referring to them, otherwise on next page from the referring paragraph

Table Number with Table Description must be placed above the Described Table with one line spacing

Figure Number with Figure Description must be placed just under the Figure with one line spacing

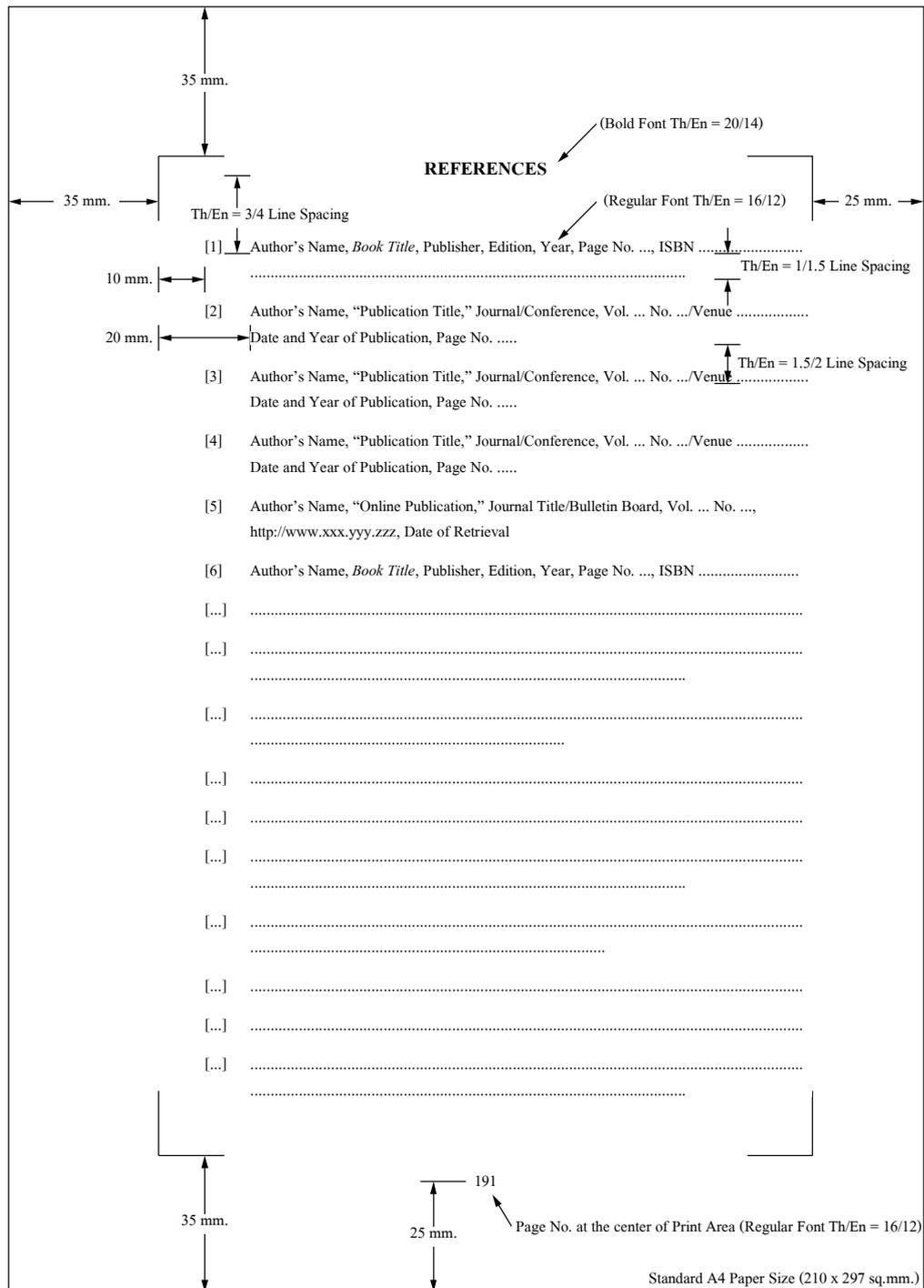
Table and Figures Numbers begin with Chapter Number followed by a dot "." and a running number starting from 1
e.g., Table 1.1 ..., ..., Table 3.2 ..., ..., Figure 2.2 ..., ..., Figure 5.7 ...

การอ้างอิงระบบ นาม-ปี / Name-Year System Referencing



Referencing in Name-Year System, Author's Surname (for English) or Author's First Name and Surname (for Thai) and Year of the Publishing in the Square Brackets "[... name ..., ... year ...]" is Left Aligned and leading the details of each publication. References must be Alphabetically Ordered by Surname (for English) and First Name (for Thai) Group of Thai Language References is separated from Other Language References and should be ordered in the first part The details of publications may be placed at about 30 mm. indentation. Normal Line Spacing for Thai (Angsana New) or English (Times New Roman) is Single or 1.5 Line Spacing respectively. Spacing between each item are 1.5 and 2 Lines for Thai and English respectively. This Alphabetical Sequence of Referencing System is also used for the Bibliographic Referencing but without Name and Year in the Square Brackets, and item may be Left Aligned to the Print Area Frame

การอ้างอิงระบบหมายเลข / *Number System Referencing*



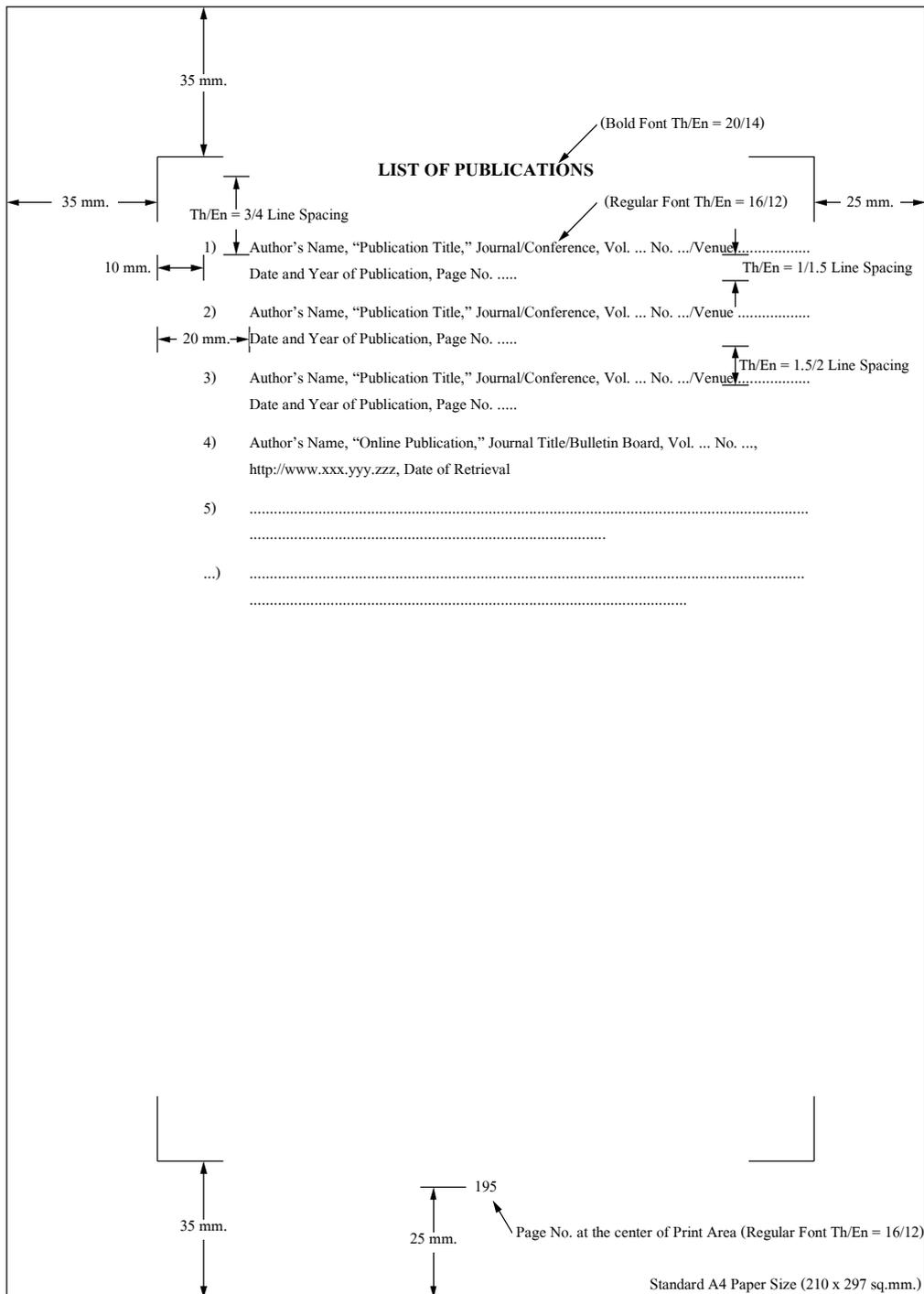
In Number System Referencing, Square Brackets “[...]” with Reference Running Numbers are used and placed in front of the details of each publication. The First Number , Starting from Number 1, means the first reference used in the body text

References in Number System may not be ordered alphabetically which it should be ordered by the sequence of referencing, starting from the first reference used

The Reference Number in the Square Brackets may be Left Aligned or 10 mm. Indentation, while the details of publications may be placed at 20 mm. indentation in the Hanging Style

Line Spacing within each item for Thai (Angsana New) or English (Times New Roman) is Single or 1.5 Line Spacing respectively. Spacing between each item for Thai and English are 1.5 and 2 Line Spacing respectively

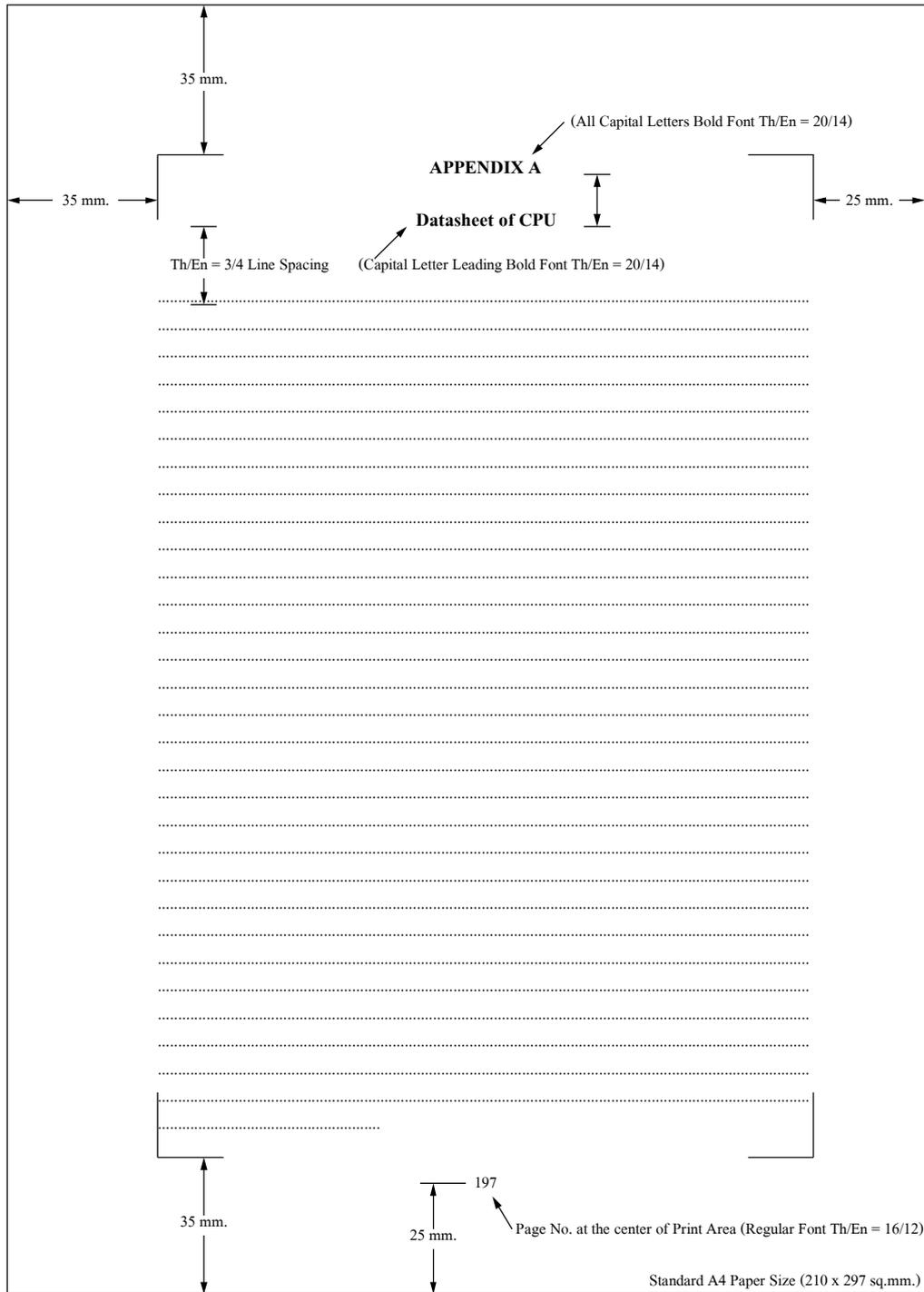
รายการสิ่งพิมพ์ / *List of Publications*



Publications concerning the Research Work/Thesis/Independent Study done by the Author should be listed on this page, especially where they are required to be a partial fulfillment for the Degree

Format of the List of Publications is similar to the format in Number System Referencing but the Number in front of each Publication is followed by a close round bracket (close parenthesis)

List of Publications may also be included in Curriculum Vitae Page



Appendices are Important Information concerning the Research Work or Contents in the Thesis, which may be or may not be the work done by the author, that are not described in details in the body text, but the author would like to provide them for the readers to know, in order to make the Thesis complete in terms of Contents without additional searching from somewhere else, e.g., Table, Figures, Data from the Experiment, Datasheet of Electronic Devices, etc.

Appendix Section may be divided into many parts which are orderd by the sequence of alphabets, e.g., Appendix A, Appendix B, Appendix C, etc. (for English) or ภาคผนวก ก, ภาคผนวก ข, ภาคผนวก ค, ฯลฯ (for Thai) followed by a Title or a Brief Description for each appendix

