



Curriculum Information (TQF. 2)  
Master of Arts Program  
In Cultural Heritage Conservation and Management  
(International Program/New Program 2020)

Graduate School  
Silpakorn University

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## Curriculum Information

**Master of Arts Program in Cultural Heritage Conservation and Management  
(International Program / New Program 2020)**

Name of Institution	Silpakorn University
Campus/Faculty/Department	CAT Building, Bangrak, Graduate School

## Section 1 General Information

## 1. Curriculum Code/Title

1.1 Curriculum Code                   xxxxxxxxxxxxxxxx

## 1.2 Curriculum Name

Thai	หลักสูตรศิลปศาสตรมหาบัณฑิต สาขาวิชาการอนุรักษ์และการจัดการมรดกทางวัฒนธรรม (หลักสูตรนานาชาติ)
English	Master of Arts Program in Cultural Heritage Conservation and Management (International Program)

## 2. Degree Offered and Field of Study

Full Title in Thai	ศิลปศาสตรมหาบัณฑิต (การอนุรักษ์และการจัดการมรดกทางวัฒนธรรม)
Full Title in English	Master of Arts (Cultural Heritage Conservation and Management)
Abbreviation in Thai	ศศ.ม. (การอนุรักษ์และการจัดการมรดกทางวัฒนธรรม)
Abbreviation in English	M.A. (Cultural Heritage Conservation and Management)

## 3. Major

None

## 4. Required Credits

Plan A-A1   Equivalent to 36 credits

Plan B       Not less than 45 credits

## 5. Curriculum Information

### 5.1 Curriculum Model

Master's Degree, two-year program

5.2 Medium of Instruction English

5.3 Admission Requirements Thai and international students who meet English proficiency standards

### 5.4 Cooperation(s) with Other Universities

A collaborative program with the University of Applied Arts Vienna, Austria

### 5.5 Degrees Offered to the Graduates

Master of Arts Program in Cultural Heritage Conservation and Management (Joint Degree) in Cultural Heritage Conservation and Management, a joint degree issued by Silpakorn University and the University of Applied Arts Vienna, Austria

## 6. Record of Program Status and Approval

6.1 The new curriculum 2020 will be effective from semester 1 of the academic year 2020.

6.2 The curriculum was approved by Silpakorn University Academic Council at the meeting 4/2020 on 26 May 2020.

6.3 The curriculum was approved by Silpakorn University Council at the meeting 5/2020 on 10 June 2020.

## 7. Expected Release Time under the Thai Qualifications Register Record

Developed in compliance with Thai Qualifications Framework for Higher Education of 2009, the curriculum is expected to be released for public dissemination in the academic year 2021.

## 8. Job Opportunities for Graduates

8.1 Academics in the field of cultural heritage conservation and management

8.2 Advisors in the field of cultural heritage conservation and management

8.3 Public and private sector management executives related to the field of cultural heritage conservation

8.4 Fine art conservators and restorers

8.5 Curators

## 10. Teaching Venue

Classes will be conducted at Silpakorn University International College, Bangkok, Thailand and University of Applied Arts Vienna, Austria.

Faculty: Silpakorn University International College

Address: 72 CAT Telecom Tower 8<sup>th</sup> - 9<sup>th</sup> floor, Charoen Krung Road, Si Phraya, Bangrak, Bangkok 10500

and

Faculty: Institute of Conservation, University of Applied Arts Vienna.

Address: Expositor Salzgies, 3<sup>rd</sup> floor, Salzgies 14, Austria-1010 Vienna

## 11. External Factors to Be Considered in Curriculum Planning

### 11.1 Economic Dimension

On these days, art and culture has gained momentum in the economic sphere. Efforts have been made to integrate art and culture as part of creative sector, which accounts for 13.7% of the total GDP (information as of 2017)\*. In Thailand's context, historical legacy is an important part of the country's cultural capital. The preservation of Thai cultural legacy corresponds with Thailand 4.0 economic policy, in which art and culture can be used to promote the national economy. Cultural heritage can improve the economic condition of the locality.

The promotion of cultural heritage tourism can attract economic opportunities to many degenerated areas in Thailand. This can be seen from a number of historic communities in Thailand that can successfully turn their cultural resources, both tangible and intangible heritage, into economic opportunities to advance local development.

### 11.2 Socio-Cultural Dimension

Cultural heritage indicates the national identity and promotes national pride. It is also used as an instrument to promote the society's wellbeing. According to Holtorf (2011)<sup>†</sup>, cultural heritage is recognized for being a mechanism to promote social cohesion, lessen

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\* Maneepong, T. (2017) #TCDC2017: เศรษฐกิจสร้างสรรค์ในวัน Thailand 4.0, 101. Available at: <https://www.the101.world/tcdc2017-creative-economy/> (Accessed: 9 January 2019).

<sup>†</sup> Holtorf, C. (2011) 'The Changing Contribution of Cultural Heritage to Society', *Museum International*, 63(1-2), pp. 249-250.

negative impacts of global economy, promote the value of humanism and social solidarity and improve people's quality of life. Cultural heritage can generate community development in a sustainable manner. Namely, art and culture has been used as mechanism to regenerate towns and cities across the world, including the promotion of historic cities, and creative districts.

Thailand is rich in history and cultural heritage resources. There are over 9200 historical sites and 43 national museums across the country, alongside with privately-owned historical sites, museums and art galleries. Some of them, such as Sukhothai Historical Park and Ayutthaya Historical Park have been nominated by UNESCO as World Heritage Sites. There are governmental organizations responsible for the supervision of national cultural heritages, e.g. the Fine Art Department (originally founded in 1912) and the Ministry of Culture (founded in 2002). The government regards cultural heritage as representative of the nation's prestige as well as a tool to promote the social wellbeing.

Despite the above-mentioned importance of national cultural heritages, education in the field of conservation and restoration is still at its inception in Thailand. Academic collaboration with a UNESCO-accredited higher education institution that specializes in cultural heritage conservation like the University of Applied Arts Vienna is, therefore, necessary to the promotion and advancement of this field of study in Thailand. The strength of this degree program is the combination between art conservation and management education, enabling graduates to work in a variety of cultural heritage conservation projects. The curriculum will also serve the policy of Ministry of Culture B.E 2562 in strengthening and sustaining cultural heritage through conservation and restoration efforts and in creating capable manpower to apply innovation to Thailand's cultural heritage conservation and restoration projects.

## **12. Impacts of Factors Stated in 11.1 and 11.2 on Curriculum Development and Compliance with the University/Institute Mission**

### **12.1 Curriculum Development**

The curriculum is created in line with numerous Thailand's national policies and frameworks. It directly responds to the 12<sup>th</sup> National Economic and Social Development Plan. The production of graduates under this curriculum falls under the country's initiatives to promote the instrumental use of natural and cultural resources, now being regarded as tools to advance the country's development according to Thailand 4.0 motive. Additionally,

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this curriculum complies with Thailand's national strategies such as strategy 1 Human Resource Development, Strategy 3 Economic Stimulation and Promotion of Competitiveness, Strategy 5 the promotion of national stability to achieve nation's economic prosperity and sustainable development, and Strategy 10 the promotion of international collaboration to promote Human Resources. Moreover, there exists connections between the curriculum's objectives and the Ministry of Higher Education, Science, Research and Innovation's policies and strategies B.E. 2563 - 2570, in particular Platform 1 human resource and knowledge development. This curriculum, aims to produce well-rounded graduates who can apply theoretical knowledge into practice, as stated in Program 1: the production of high-quality workforce, and who can conduct interdisciplinary research to address challenges in the field of cultural heritage management, as stated in Program 5: the promotion of basic research to serve the country's needs.

Graduates from this curriculum will gain international experience as they will spend part of their study at the conservation laboratories of the Institute of Conservation, University of Applied Arts Vienna and participate in international projects through Silpakorn University and Institute of Conservation University of Applied Arts Vienna's network. They will understand the process of the conservation and restoration of historical artefacts and be able to be in charge of conservation projects by involving experts of different specialisations through cooperative and work integrated education.

### **12.2 Compliance with the University/Institute Mission**

Silpakorn university is not only a centre for teaching and research but also a national leading institution that supports cultural conservation. Besides providing academic services in the Asia Pacific Region, it conducts a variety of professional and academic projects that contribute to the body of knowledge on cultural heritage conservation. The curriculum serves the university's mission by producing graduates equipped with expertise, ethics, knowledge and skills that meet the society's needs. Students will be capable of working in diverse conservation projects, collaborating with experts from a variety of disciplines, and gaining conservation experience at the international level.

### **13. Cooperation with Other Curricula of the University**

None

## Section 2 Information of the Curriculum

### 1. Philosophy, Significance and Objectives of the Curriculum

#### 1.1 Philosophy

Providing students with integrated theoretical and practical knowledge on cultural heritage conservation and management, whilst enabling them to connect with experts worldwide.

#### 1.2 Significance

Cultural heritage is of great significance to the nation. Unfortunately, the conditions of these cultural artefacts have been deteriorated due to a variety of factors. The major cause of damage are human activities (whether intentional or unintentional) including negligence, touching, poor maintenance and restoration. Natural causes can be natural damages over time, weather damage, geological changes, or disasters.

Therefore, knowledge on cultural heritage conservation is essential for maintaining cultural artefacts in good condition. This degree program is designed in response to the need for highly efficient and competitive workforce in this field. Currently, Silpakorn University is collaborating with Institute of Conservation, University of Applied Arts Vienna, Austria, to develop the curriculum that offers students international experience opportunities and staff exchange. Graduates will be able to work, compete internationally and reach the program objectives.

#### 1.3 Objectives and Program Learning Outcomes

##### 1.3.1 Objectives

- 1) To foster students' morals and working ethics, with a focus on the field of the cultural heritage conservation.
- 2) To develop advanced theoretical and practical knowledge in cultural heritage conservation and development.
- 3) To provide students with managerial knowledge skills in relation to cultural heritage conservation and international context.
- 4) To equip students with an ability to apply heritage conservation knowledge into practice.



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### 1.3.2 Program Learning Outcomes (PLOs)

Number	PLOs	Cognitive Domain (Knowledge) (Bloom's Taxonomy (Revised))						Psychomotor Domain (Skills)	Affective Domain (Attitude)
		R	U	Ap	An	E	C	S	At
PLO1	Identify concepts and theories related to cultural heritage conservation		√						
PLO2	Understand Western and Eastern philosophy expressed through artistic objects		√						√
PLO3	Apply the ethics of conservation practice at work			√				√	√
PLO4	Demonstrate interpersonal skills and an ability to communicate with people from different backgrounds			√					√
PLO5	Use appropriate media to convey information to the wide public			√					√
PLO6	Apply managerial knowledge to conservation projects			√	√				
PLO7	Select appropriate methods in the examination and treatment of artefacts.				√			√	
PLO8	Develop appropriate strategies to address problems in cultural heritage conservation and management by using research skills					√	√		√

\* Remarks: Tick √ to indicate the level of Cognitive Domain or Psychomotor Domain or Affective Domain if applicable.

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1.3.3 The correlation between the program objectives and program learning outcomes

Program Objectives	Program Learning Outcomes							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
1) To foster students' morals and working ethics, with a focus on the field of the cultural heritage conservation			✓					✓
2) To develop advanced theoretical and practical knowledge in cultural heritage conservation and development	✓	✓	✓	✓	✓	✓	✓	✓
3) To provide students with managerial knowledge skills in relation to cultural heritage conservation and international context	✓	✓	✓	✓	✓	✓		✓
4) To equip students with an ability to apply heritage conservation knowledge into practice			✓		✓		✓	✓

## 2. Development Plan

Improvement/Modification Plan	Strategies	Evidences/Indicators of Success
Curriculum revision every 5 years	<ol style="list-style-type: none"> <li>1. Assess the curriculum every 5 years</li> <li>2. Evaluate employer's satisfaction towards graduates</li> <li>3. Survey employment rate</li> </ol>	<p><u>Indicators</u></p> <ol style="list-style-type: none"> <li>1. Level of employer's satisfaction toward graduates;</li> <li>2. Reports on management of the program every year;</li> <li>3. Program evaluation reports every 5 years.</li> </ol> <p><u>Evidences</u></p> <ol style="list-style-type: none"> <li>1. Report on curriculum assessment</li> <li>2. Report on survey of employment</li> </ol>
Development of lecturers' potential within 2 years	<ol style="list-style-type: none"> <li>1. Train new lecturers on teaching techniques, as well as program assessment, philosophy and objectives;</li> <li>2. Support pedagogical research in order to improve the teaching quality;</li> <li>3. Conduct students' satisfaction survey on teaching quality;</li> <li>4. Promote exchange of teaching assessment/teaching techniques among lecturers.</li> </ol>	<p><u>Indicators</u></p> <ol style="list-style-type: none"> <li>1. Percentage of new lecturers who have had teaching and assessment training courses;</li> <li>2. Percentage of lecturers who have had teaching and assessment training courses;</li> <li>3. Level of students' satisfaction towards the teaching quality;</li> </ol> <p><u>Evidences</u></p> <ol style="list-style-type: none"> <li>1. Reports on teaching quality improvement according to the results of students' satisfaction survey;</li> <li>2. Report on learning and teaching research.</li> </ol>
Yearly improvement of learning support	<ol style="list-style-type: none"> <li>1. Conduct surveys on lecturers and students' needs</li> </ol>	<p><u>Indicators</u></p> <ol style="list-style-type: none"> <li>1. Levels of satisfaction by students towards learning support factors</li> </ol>

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Improvement/Modification Plan	Strategies	Evidences/Indicators of Success
	2. Assess students' satisfaction towards teaching effectiveness and learning support 3. Enhance lecturers' teaching abilities.	2. Levels of satisfaction of students towards learning quality 3. Percentage of lecturers who have been trained in the area of teaching techniques and assessment

## Section 3 Educational Management System, Curriculum Implementation and Structure

### 1. Educational Management System

**1.1 Academic System** This curriculum runs on a semester system. One academic year comprises two semesters, each of which covers a study period of no less than 15 weeks. Various requirements shall be in accordance with Ministry of Education’s regulations on postgraduate curriculum standards B.E. 2558 and/or its amendment. The academic calendar is operated in accordance with regulations of the Graduate School, Silpakorn University B.E. 2561 (Appendix A).

**1.2 Summer Semester Management** If necessary, summer semester may be operated, not less than 8 weeks upon approval of SUIC executive board.

**1.3 Credit Equivalent to Semester System** If the modular system is applied, one lecture credit is equal to 15 lecture sessions (no less than 50 minutes per session) and one practical credit is equal to 2-3 practical sessions (no less than 50 minutes per session).

### 2. Curriculum Implementation

#### 2.1 Academic Semester

Semester 1	October- February
Semester 2	March – July
Summer Semester	August - September

#### 2.2 Entry Requirements

2.2.1 Applicants applying for plan A-A1 must complete a minimum of a Bachelor’s Degree in conservation/restoration, while applicants applying for plan B must complete a minimum of a Bachelor’s Degree in conservation/restoration or Master Degree in a discipline of the art or any other related field to conservation/restoration.

2.2.2 Applicants of plan A-A1 and plan B must have at least one of the following English proficiency results issued not more than 2 years before the application date as follows:

- (1) a minimum TOEFL score of 42 iBT or 460 ITP
- (2) a minimum IELTS score of 4
- (3) a minimum TOEIC score of 550 (Listening and Reading)
- (4) a minimum score of Oxford Online Placement Test of 41

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(5) a minimum score of Cambridge English of 140

(6) a minimum score of CU-TEP of 35

(7) a minimum score of other English proficiency test that is equivalent to B1 requirement as prescribed in Silpakorn University's announcement and its amendment.

(8) a minimum score of English Proficiency Test, conducted by Silpakorn University International College of 60.

(9) Other English proficiency tests subject to SUIC executive board approval.

### 2.3 Problems Experienced by New Students Encounter Upon the Beginning of the Program

2.3.1 Students may lack knowledge of technical terms in English.

2.3.2 Students do not have adequate background on art conservation.

### 2.4 Solutions for the Problems Stated in 2.3

2.4.1 English for Conservators Course is provided in the first semester.

2.4.2 Foundation courses in art conservation will be provided in the first semester.

### 2.5 Two Year Student Recruitment Plan and Expected Graduation Rate

Plan A-A1

Year		Estimated Number of Students				
		2020	2021	2022	2023	2024
Year 1	Plan A-A1	5	-	5	5	5
Year 2	Plan A-A1	-	5	-	5	5
<b>Total</b>		5	5	5	10	10
Expected Number of Graduates		-	5	-	5	5

Plan B

Year		Estimated Number of Students				
		2020	2021	2022	2023	2024
Year 1	Plan B	5	-	5	5	5
Year 2	Plan B	-	5	-	5	5
<b>Total</b>		5	5	5	10	10
Expected Number of Graduates		-	5	-	5	5

## 2.6 Budget Plan

### 2.6.1 Income Budget (Thai Baht)

Income Category	Fiscal Year				
	2020	2021	2022	2023	2024
Tuition Fees	1,800,000	1,800,000	1,800,000	3,600,000	3,600,000
Total	1,800,000	1,800,000	1,800,000	3,600,000	3,600,000

### 2.6.2 Expenditure Budget (Thai Baht)

Expenditure	Fiscal Year				
	2020	2021	2022	2023	2024
<b>A. Operation Expenses</b>					
Staff Expenses	400,000	400,000	400,000	400,000	400,000
Operation Expenses	400,000	300,000	300,000	800,000	800,000
Scholarships	200,000	-	200,000	200,000	200,000
University Level Expenses	180,000	180,000	180,000	360,000	360,000
Total (A)	1,180,000	880,000	1,080,000	1,760,000	1,760,000
<b>B. Investment Budget</b>					
Material Expenses	500,000	500,000	500,000	500,000	500,000
Total (B)	500,000	500,000	500,000	500,000	500,000
<b>C. Miscellaneous</b>					
Total C	500,000	500,000	500,000	600,000	600,000
Total A + B+C	2,180,000	1,880,000	2,080,000	2,860,000	2,860,000
Number of Students	10	10	10	20	20
Expenses per Student	218,000	188,000	208,000	143,000	143,000

\* Maximim expenses per head and per year is 218,000 THB.

## 2.7 Teaching System

- Classroom Mode
- Print-based Distance Education
- Broadcast-based Distance Education
- E-learning-based Distance Education

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- Internet-based Distance Education  
 Others (please specify) Modular System

### 2.8 Transfer of Credits, Courses and Cross-University Registration (If Any)

Credit transfer is permitted in accordance with the regulations imposed by Silpakorn University Graduate School B.E. 2561 (Appendix A) and/or its amendment.

## 3. Curriculum and Lecturers

### 3.1 Curriculum

The Master of Arts Program in Cultural Heritage Conservation and Management (International Program) is operated under the cooperation between Silpakorn University International College and Institute of Conservation, University of Applied Arts Vienna, Austria. The curriculum highlights on both theoretical and practical knowledge in compliance with the European standard.

#### 3.1.1 Number of Credits

Plan A-A1	Equivalent to 36 credits
Plan B	minimum 45 credits

#### 3.1.2 Curriculum Structure

##### Plan A-A1

Core course (non-credit)	3 credits
Thesis (equivalent to)	36 credits

##### Plan B

Foundation courses (non-credit)	9 credits*
Core courses	11 credits
Required courses	25 credits
Elective courses minimum	3 credits
Independent Study (equivalent to)	6 credits
And pass the comprehensive exam	

\*For students without Master Degree in Conservation/Restoration



### 3.1.3 Courses

#### 3.1.3.1 Course Code

1. The first three digits indicate the department responsible for the courses:

955 Cultural Heritage Conservation and Management Program,  
Silpakorn University International College

2. The last three digits indicate the course codes:

First digit	indicates course level
5	indicates graduate level
Second digit	indicates course group
0	indicates Foundation courses
1	indicates Core courses
2-5	indicates Required courses
6	indicates Elective courses
9	indicates Thesis/Independent Study
Third digit	indicates the sequence of courses.

#### 3.1.3.2 Course Credit System

One credit for lecture courses equals a minimum lecturing period of 15 hours per semester.

One credit for practicum courses equals a minimum training or experiment period of 30 hours per semester.

One credit for internship or field training courses equals a minimum field experience period of 45 hours per semester.

One credit for project courses equals a minimum activity period of 45 hours per semester.

Independent Study requiring no less than 45 hours per normal semester equals to 1 credit.

Thesis requiring no less than 45 hours per normal semester equals to 1 credit.

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The number of credits for each course is calculated from dividing the number of lecture hours (L) plus practicum hours (P) and self-study hours (S) per week by three as follows:

$$\text{Number of Credits} = \frac{L + P + S}{3}$$

The credit value for each course comprises four numbers.

The first number (outside brackets) is the total number of credits.

The second number (inside brackets) is the number of lecture hours per week.

The third number (inside brackets) is the number of practicum hours per week.

The fourth number (inside brackets) is the number of self-study hours per week.

### 3.1.3.3 Courses

#### 1. Plan A-A1

##### 1.1 Core Courses (non-credit) 3 Credits

955 517 Research Methods in Cultural Heritage Conservation and Management 3\*(3-0-6)

##### 1.2 Thesis (equivalent to) 36 credits

955 591 Thesis equivalent to 36 credits

#### 2. Plan B

##### 2.1 Foundation Courses (non-credit) 9 Credits

955 501 Health and Safety for Conservators 1\*(1-0-2)

955 502 Chemistry for Conservators 2\*(1-2-3)

955 503 Practicum in Conservation 3\*(1-4-4)

955 504 English for Conservators 3\*(2-2-5)

\*For students without Master Degree in Cultural Heritage Conservation

\* Remark: Students must have English proficiency scores equivalent to B1 and submit the results in order to be eligible to register for courses in the second semester.

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\* Students must register as a non-credit course

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### 2.2 Core Courses 11 Credits

955 511 Transcultural Reflections of Art Development	1(1-0-2)
955 512 Presentation and Communication Skills	2(1-2-3)
955 513 Southeast Asian Art and Cultural History	1(1-0-2)
955 514 Seminar on Cultural Heritage	1(1-0-2)
955 515 Cultural Heritage Management	3(3-0-6)
955 516 Project and Site Management	3(3-0-6)

### 2.3 Elective Prescribed Courses 25 credits

#### For students enrolled at Silpakorn University 25 credits

955 521 Introduction to Conservation -Materials & Technology	1(1-0-2)
955 522 Conservation Science I	1(1-0-2)
955 523 Conservation Practice I	5(2-6-7)
955 524 Documentation and Photography	1(1-0-2)
955 525 International Conservation Practice I	3(1-4-4)
955 526 International Projects-Conservation Campaigns	2(2-0-4)
955 527 Preventive Conservation and Collection Care	2(1-2-3)
955 528 Conservation Practice II	5(2-6-7)
955 529 Conservation Theory and Methodology at International level	1(1-0-2)
955 530 Conservation Science II	1(1-0-2)
955 531 International Conservation Practice II	3(1-4-4)

#### For students enrolled at University of Applied Arts Vienna 25 credits

955 541 Introduction to Transcultural Communication and Collaboration	1 credit
955 542 Conservation Teaching Workshop I– Preparations	2 credits
955 543 Conservation Teaching Workshop I– Teaching	4 credits
955 544 Reflection of Transcultural Collaboration	1 credit
955 545 Conservation Teaching Workshop II– Preparations	2 credits
955 546 Conservation Teaching Workshop II– Teaching	4 credits
955 547 Hindu and Buddhist Temples in South and Southeast Asia	1 credit
955 548 In front of the Artwork – View, Analyses and Reflection	1 credit
955 549 International Frameworks and World Heritage	2 credits
955 550 Cultural Property Protection	1 credit

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955 551 Introduction to Tibetan and Buddhist Studies	3 credits
955 552 Presentation Techniques and Media	1 credit
955 553 Preventive Conservation	1 credit
955 554 Seminar on Cultural Heritage in Thailand	1 credit

### 2.4 Elective Courses minimum 3 credits

Students can choose to take a minimum 3 credits from the following courses

955 561 Western Art and Cultural History	1(1-0-2)
955 562 Academic Writing for Conservators	2(1-2-3)
955 563 Heritage and Environmental Issues	3(3-0-6)
955 564 Heritage Management for Sustainability	3(3-0-6)
955 565 Cultural Landscape Management for Sustainable Tourism	3(3-0-6)

### 2.5 Independent Study (equivalent to) 6 credits

955 592 Independent study	equivalent to 6 credits
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### 3.1.4 Study Plan

#### Plan A-A1

#### Year 1 / First Semester

Course Code	Course Title	Credits (l-p-s)
955 517	Research Methods in Cultural Heritage Conservation and Management	3*(3-0-6)
955 591	Thesis (equivalent to)	9
<b>Total</b>		<b>9</b>

#### Year 1/ Second Semester

Course Code	Course title	Credits (l-p-s)
955 591	Thesis (equivalent to)	9
<b>Total</b>		<b>9</b>

\* Non-credit courses

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Year 2/ First Semester

Course Code	Course title	Credits (l-p-s)
955 591	Thesis (equivalent to)	9
	<b>Total</b>	<b>9</b>

Year2/ Second Semester

Course Code	Course Title	Credits (l-p-s)
955 591	Thesis (equivalent to)	9
	<b>Total</b>	<b>9</b>

Plan B

Year 1/First Semester

For students enrolled at Silpakorn University

Course Code	Course Title	Credits (l-p-s)
955 501	Health and Safety for Conservators	1*(1-0-2)
955 502	Chemistry for Conservators	2*(1-2-3)
955 503	Practicum in Conservation	3*(1-4-4)
955 504	English for Conservators	3*(2-2-5)
955 521	Introduction to Conservation- Materials & Technology	1(1-0-2)
955 522	Conservation Science I	1(1-0-2)
	<b>Total</b>	<b>2</b>

\* Non-credit courses and for students without a Master's Degree in Conservation/Restoration

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## Year 1/Second Semester

For students enrolled at Silpakorn University

Course Code	Course Title	Credits (l-p-s)
955 511*	Transcultural Reflections of Art Development	1(1-0-2)
955 514*	Seminar on Cultural Heritage	1(1-0-2)
955 523	Conservation Practice I	5(2-6-7)
955 524	Documentation and Photography	1(1-0-2)
955 525*	International Conservation Practice I	3(1-4-4)
955 526*	International Projects-Conservation Campaigns	2(2-0-4)
<b>Total</b>		<b>13</b>

For students enrolled at University of Applied Arts Vienna

Course Code	Course Title	Credits (l-p-s)
955 511	Transcultural Reflections of Art Development	1(1-0-2)
955 514	Seminar on Cultural Heritage	1(1-0-2)
955 541	Introduction to Transcultural Communication and Collaboration	1
955 542	Conservation Teaching Workshop I – Preparations	2
955 543	Conservation Teaching Workshop I – Teaching	4
955 547	Hindu and Buddhist Temples in South and Southeast Asia	1
955 548	In Front of the Artwork – View, Analyses and Reflection	1
955 549	International Frameworks and World Heritage	2
955 552	Presentation Techniques and Media	1
<b>Total</b>		<b>14</b>

\* 955 511 Transcultural Reflections of Art Development, 955 514 Seminar on Cultural Heritage, 955 525 International Conservation Practice I and 955 526 International Project-Conservation Campaigns will be conducted at the University of Applied Arts Vienna.

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### Year 2/First Semester

#### For students enrolled at Silpakorn University

Course Code	Course Title	Credits (l-p-s)
955 515*	Cultural Heritage Management	3(3-0-6)
955 527	Preventive Conservation and Collection Care	2(1-2-3)
955 528	Conservation Practice II	5(2-6-7)
955 529	Conservation Theory and Methodology at International level	1(1-0-2)
955 530	Conservation Science II	1(1-0-2)
955 531**	International Conservation Practice II	3(1-4-4)
<b>Total</b>		<b>15</b>

#### For students enrolled at University of Applied Arts Vienna

Course Code	Course Title	Credits (l-p-s)
955 515*	Cultural Heritage Management	3(3-0-6)
955 544	Reflection of Transcultural Collaboration	1
955 545**	Conservation Teaching Workshop II – Preparations	2
955 546**	Conservation Teaching Workshop II – Teaching	4
955 550	Cultural Property Protection	1
955 551	Introduction to Tibetan and Buddhist Studies	3
955 553	Preventive Conservation	1
955 554	Seminar on cultural heritage in Thailand	1
<b>Total</b>		<b>16</b>

\* Students enrolled at Silpakorn University and the University of Applied Arts Vienna will study together in Bangkok

\*\* Students enrolled at Silpakorn University and the University of Applied Arts Vienna will study together in Bangkok: Silpakorn University students will register in 955 531 International Conservation Practice II while students enrolled at the University of Applied Arts Vienna will register in 955 545 Conservation Teaching Workshop II – Preparations and 955 546 Conservation Teaching Workshop II – Teaching

## TQF. 2

### Year 2/Second Semester

For students enrolled at Silpakorn University and University of Applied Arts Vienna

Course Code	Course Title	Credits (l-p-s)
955 512*	Presentation and Communication Skills	2(1-2-3)
955 513*	Southeast Asian Art and Cultural History	1(1-0-2)
955 516*	Project and Site Management	3(3-0-6)
	Elective course(s)	3
955 592	Independent Study (equivalent to)	6
<b>Total</b>		<b>15</b>

\* Students enrolled at Silpakorn University and the University of Applied Arts Vienna will study together at Silpakorn University, Bangkok.

#### 3.1.5 Course Descriptions

**955 501      Health and Safety for Conservators      1(1-0-2)**

Toxicity of substances and safety measures; handling, storing and disposing of chemical substances. Warning symbols; danger of fire, power and hand tools; basics of first aid in the conservation studio.

**955 502      Chemistry for Conservators      2(1-2-3)**

Structure and properties of substances; atomic structure, atoms, molecules and chemical bonding, intermolecular forces, acids and bases, salts, pH, chemical symbols and formulas, basics of the Periodic table of elements. Basics of chemical reactions. Basics of chemical calculations; concentration, preparation of solutions, organic compounds; hydrocarbons and compounds with functional groups.

**955 503      Practicum in Conservation      3(1-4-4)**

Basic first-hand experience in conservation practice, learning from senior conservators, essential safety precautions for working in a conservation studio.



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955 504	<b>English for Conservators</b> English focusing on technical vocabulary for cultural science, cultural heritage preservation and conservation.	3 (2-2-5)
955 511	<b>Transcultural Reflections of Art Development</b> Examination of what is comprised under the term “painting” in certain areas and periods both in Europe and in Southeast Asia; reflection on differences and similarities regarding function and context.	1(1-0-2)
955 512	<b>Presentation and Communication Skills</b> Introduction to (visual) presentation, communication and negotiation; analogue and digital presentation techniques, design, rhetoric and non-verbal communication, practical exercises, transcultural approaches.	2(1-2-3)
955 513	<b>Southeast Asian Art and Cultural History</b> Brief overview of development of Southeast Asian/Thai art and culture, focus religious, political, economic and social conditions that influence are production, visits of cultural and religious sites.	1(1-0-2)
955 514	<b>Seminar on Cultural Heritage</b> Relevant issues and their impact on cultural heritage sites, including sites with on-going conservation work.	1(1-0-2)
955 515	<b>Cultural Heritage Management</b> Examination of tangible and intangible heritage management by both public and private sectors in order to facilitate and support cultural heritage management; cultural heritage management for new scenarios and opportunities in management, planning and promotion of products and services related to both cultural and natural heritage.	3(3-0-6)

<b>955 516</b>	<b>Project and Site Management</b>	<b>3(3-0-6)</b>
	<p>Exemplary project and site management on impact and important roles of various stakeholders in the development of heritage in diverse communities, illustrating challenges, applied engineering and management models; project and site management for balancing conservation and development to significant values of the cultural and natural resources and to support city of values; policy, executive, plans drawn and management conducted for sustainable development.</p>	
<b>955 517</b>	<b>Research Methods in Cultural Heritage Conservation and Management</b>	<b>3(3-0-6)</b>
	<p>Research methods in cultural heritage conservation and management through both quantitative and qualitative approaches.</p>	
<b>955 521</b>	<b>Introduction to Conservation-Materials &amp; Technology</b>	<b>1(1-0-2)</b>
	<p>Materials and condition survey: techniques and optical examination, condition assessment; aims of conservation, development of concepts, definition of technical terms theory and practice.</p>	
<b>955 522</b>	<b>Conservation Science I</b>	<b>1(1-0-2)</b>
	<p>Painting supports, painting techniques, colouring agents; pigments and dyes. Natural binding media; composition, properties, origin, historical use.</p>	
<b>955 523</b>	<b>Conservation Practice I</b>	<b>5(2-6-7)</b>
	<p>Practical conservation work, material and condition survey, written and photographic documentation, handling, packaging, storing and presentation of objects.</p>	
<b>955 524</b>	<b>Documentation and Photography</b>	<b>1(1-0-2)</b>
	<p>Visual documentation of condition, damages and treatment; common methods of photography in conservation; implementation of photography in documentation.</p>	

## TQF. 2

- 955 525 International Conservation Practice I 3(1-4-4)**  
Knowledge enhancement and practical skills in conservation practice, documentation, survey, concept development and handling of objects, discussion and argumentation of methodological approaches.
- 955 526 International Projects-Conservation Campaigns 2(2-0-4)**  
Experience in on-site conservation practice and heritage preservation, selection care, concept development and communication.
- 955 527 Preventive Conservation and Collection Care 2(1-2-3)**  
Hazards and vulnerabilities of objects, monuments and collection, preventive measures of mitigation and protection.
- 955 528 Conservation Practice II 5(2-6-7)**  
**Prerequisite: 955 523 Conservation Practice I**  
Advanced practical conservation work, learning to carry out material and condition survey independently, written and photographic documentation, handling, packaging, storing and presentation of objects.
- 955 529 Conservation Theory and Methodology at International level 1(1-0-2)**  
International frameworks and organisations in cultural heritage preservation (UNESCO, ICCROM, ICOM, ICOMOS), history, structures and objectives, their research, education and training activities; conventions, charters and guidelines, internationally accepted principles.
- 955 530 Conservation Science II 1(1-0-2)**  
**Prerequisite: 955 522 Conservation Science I**  
Higher number of vocabularies, idioms, and expressions, reading and writing for everyday communication, listening and speaking skills in the formal contexts.

## TQF. 2

- 955 531 International Conservation Practice II 3(1-4-4)**  
**Prerequisite:** 955 525 International Conservation Practice I  
Further knowledge enhancement and practical skills in conservation practice, documentation, survey, concept development and handling of objects, focus on discussion and argumentation of methodological approaches.
- 955 541 Introduction to Transcultural Communication and Collaboration 1 credit**  
Interdisciplinary format, discussion of questions: What is transculturalism? How does transcultural exchange and collaboration work? How to build mutual trust.
- 955 542 Conservation Teaching Workshop I – Preparations 2 credits**  
Preparation of transcultural Conservation Teaching Workshop in Vienna, designing adequate concepts and communication methods for teaching, independent preparation of teaching aids.
- 955 543 Conservation Teaching Workshop I– Teaching 4 credits**  
Teaching skills and communication, giving guidance in documentation, condition survey and concept development, handling and conservation practice; giving theoretical introduction to a specific topic.
- 955 544 Reflection of Transcultural Collaboration 1 credit**  
Reflection on transcultural workshops, analysis of work and teaching experience and experiences from other lectures.
- 955 545 Conservation Teaching Workshop II– Preparations 2 credits**  
Preparation of transcultural Conservation Teaching Workshop in Vienna, designing adequate concepts and communication methods for teaching, independent preparation of teaching aids.

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- 955 546**      **Conservation Teaching Workshop II– Teaching**      **4 credits**  
Improving teaching skills and communication, giving guidance in documentation, condition survey and concept development, handling and conservation practice; giving theoretical introduction to a specific topic.
- 955 547**      **Hindu and Buddhist Temples in South and Southeast Asia**      **1 credit**  
Introduction to Hindu and Buddhist temple culture in South and Southeast Asia, analysis of significant religious monuments, sculptures and artefacts, regarding religious, historical and cultural context, contemporary spiritual practice.
- 955 548**      **In front of the Artwork – View, Analyses and Reflection**      **1 credit**  
Interpretation and analysis of artworks in the museum, formal description, materials, interpretation of purpose and history, reflection on historical and socio-cultural context and function.
- 955 549**      **International Frameworks and World Heritage**      **2 credits**  
International frameworks and organisations in cultural heritage preservation (UNESCO, ICCROM, ICOM, ICOMOS), history, structures and objectives, their research, education and training activities; conventions, charters and guidelines, internationally accepted principles.
- 955 550**      **Cultural Property Protection**      **1 credit**  
Foundations, development and significance of cultural property protection, legal framework and instruments; emergency planning and disaster preparation.
- 955 551**      **Introduction to Tibetan and Buddhist Studies**      **3 credits**  
Introduction to topics, methods and specific issues of Tibetan and Buddhist studies.

## TQF. 2

- 955 552**      **Presentation Techniques and Media**      **1 credit**
- Visual presentation techniques, transcultural communication (verbal, non-verbal), successful presentation and communication of ideas, opinions and concepts to international audience; analogue and digital media and techniques, presentation design, press and media work (interview, press conference, symposia); body language, personal space, distance zones.
- 955 553**      **Preventive Conservation**      **1 credit**
- Hazards and vulnerabilities of objects, monuments and collection, preventive measures of mitigation and protection.
- 955 554**      **Seminar on Cultural Heritage in Thailand**      **1 credit**
- Relevant issues and their impact on cultural heritage sites, including sites with on-going conservation work in Thailand.
- 955 561**      **Western Art and Cultural History**      **1(1-0-2)**
- Brief overview of development of western art and culture: ancient times, Middle Ages, early modern period, present time; focus on fine arts and paintings, religious, political, economic and social conditions that influence are production.
- 955 562**      **Academic Writing for Conservators**      **2(1-2-3)**
- Approaches and methods in scientific writing, focus on formulating a scientific problem/research question, selection of appropriate methods and literature, scientific citation.
- 955 563**      **Heritage and Environmental Issues**      **3(3-0-6)**
- Examination of different definitions, concepts and practices of heritage and the relationship between ethics and the principles of sustainable development. Environmental issues from all stakeholders' perspective. Illustration of environmental challenges, applied management models and their outcomes through case studies.

- 955 564 Heritage Management for Sustainability 3(3-0-6)**  
 Examination of tangible and intangible heritage management by both public and private sectors, in order to facilitate and support heritage management for tourism and hospitality. Heritage management for new scenarios and opportunities in management, planning and promotion of products and services related to both cultural and natural heritage. Through case studies the impact and important roles of various stakeholders in the development of heritage in diverse communities are shown, illustrating challenges, applied engineering and management models.
- 955 565 Cultural Landscape Management for Sustainable Tourism 3(3-0-6)**  
 Cultural landscape management for balancing between conservation and development to keep the significant values of the heritage and to support sustainable tourism. The policy, plan and management to sustain the future by overview the landscape in the past by changing attitude towards cultural landscape use.
- 955 591 Thesis equivalent to 36 credits**  
 Individual research in cultural heritage conservation and management with emphasis on data gathering, analysis and synthesis into formal conclusion or proposal of original quality under the supervision of advisor(s).
- 955 592 Independent Study equivalent to 6 Credits**  
 An independent study on project in cultural heritage conservation and management under the supervision of advisor(s).

#### 4. Details of Practicum

None

#### 5. Project or Research Requirements

##### 5.1 Brief Description

**Plan A-A1:** The thesis is an Individual research in the field of cultural heritage conservation and management under the supervision of an academic advisor. The topic must be approved by the Graduate School after the advisor's approval. To be eligible to graduate, the research or part of the research must be published, or accepted to be published in an academic journal in compliance with the Ministry of Education Announcement on graduate program standards B.E 2558.

**Plan B:** This program is a combination of coursework and the independent study in the field of cultural heritage conservation and management under the supervision of an advisor.-It includes individual research on cultural heritage conservation and management. The topic must be approved by both advisor and the Graduate School. To comply with the Ministry of Education Announcement on graduate program standards B.E 2558, the entire research or part of the research must be published in an academic journal or a publication or a proceedings of an academic conference.

##### 5.2 Standard Learning Outcomes

Students will be able to think logically, Analyse the topic of their thesis/independent study and present problem statements, methodology and research results concisely. Moreover, students will be able to implement knowledge from their research into the related industry and extend knowledge in a particular field.

##### 5.3 Time Frame

Plan A-A1 (Thesis): Year 1 of the Semester 1 – Year 2 of the Semester 2

Plan B (Independent Study): Year 2 of the Semester 2



#### **5.4 Number of Credits**

Plan A-A1 Thesis (equivalent to) 36 credits

Plan B Independent Study (equivalent to) 6 credits

#### **5.5 Preparation Process**

(1) An academic advisor will have no more than 5 advisees. The advisor will supervise students' research project and give advice on the research presentation and publication;

(2) Students in both plan A-A1 must take the Research Methods in Cultural Heritage Conservation and Management course to acquire background knowledge in research.

#### **5.6 Assessment**

(1) Thesis/Independent Study progress will be evaluated at the end of semester where students have registered thesis/independent study and assessed by their thesis/independent study advisor with the symbol IP and NP. For the plan B, students must pass a comprehensive exam.

(2) Students' independent study and thesis defense must be approved by the committee appointed by the Graduate school.

(3) The research or part of the research must be published, or accepted to be published in compliance with the Ministry of Education Announcement on graduate program standards B.E 2558 for Plan A-A1 and Plan B.

## Section 4

## Learning Outcomes, Teaching Strategies and Evaluation

## 1. Student Special Characteristics Development

Students are expected to develop an understanding of the roles of conservators in caring cultural artefacts. This includes demonstrating basic knowledge of raw materials, manufacturing technologies, assessing of condition and understanding values and meanings attached to cultural objects with a focus on paintings. At the end of the program, graduates will become qualified conservator-restorers in Southeast Asia. The collaboration with a European institution enables them not only to advance their skills and knowledge in the preservation, conservation and restoration of cultural heritage artefacts, but also be connected with experts across the world.

A set of strategies are developed to achieve the following outcomes:

Special Characteristics	Teaching and Learning Strategies
<b>Become qualified conservator-restorers in Southeast Asia</b>	Students are capable of working in diverse conservation projects and collaborate with experts from a variety of disciplines. Taught courses consist of lectures, seminars, objects-based activities, first-hand experience with collections, and technical visits. They also have a chance to broaden their expertise in an European institute.
<b>Build an International Career Profile</b>	Students gain conservation experience at the international level through a variety of activities such as <ul style="list-style-type: none"> <li>- International Projects – Conservation Campaigns</li> <li>- International Summer Schools</li> <li>- Applied Collection Care (Institute of Conservation’s Project Week)</li> </ul>

## 2. Expected Learning Outcomes (PLOs) of the Curriculum

program Learning Outcomes (PLOs)	Teaching Strategies	Evaluation Strategies
PLO1 Identify concepts and theories related to cultural heritage conservation (U)	<ol style="list-style-type: none"> <li>1. Lecture</li> <li>2. Discussion</li> <li>3. Brainstorming</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by written examination</li> <li>2. Evaluate by assignments</li> <li>3. Evaluate by report</li> </ol>
PLO2 Understand western and eastern philosophy expressed through artistic objects (U).	<ol style="list-style-type: none"> <li>1. Lecture</li> <li>2. Discussion</li> <li>3. Brainstorming</li> <li>4. Field trips</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by written examination</li> <li>2. Evaluate by assignments</li> <li>3. Evaluate by report</li> </ol>
PLO3 Apply the ethics of conservation practice at work (AP)	<ol style="list-style-type: none"> <li>1. Lecture</li> <li>2. Discussion</li> <li>3. Problem solving</li> <li>4. Brainstorming</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by project</li> <li>2. Evaluate by case study</li> <li>3. Evaluate by in-class observation</li> </ol>
PLO4 Demonstrate interpersonal skills and ability to communicate with people from different backgrounds (AP).	<ol style="list-style-type: none"> <li>1. Discussions</li> <li>2. Problem Solving</li> <li>3. Brainstorming</li> <li>4. Peer Learning</li> <li>5. Reflection</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by project</li> <li>2. Evaluate by oral examination</li> <li>3. Evaluate by written examination</li> </ol>
PLO5 Use appropriate media to convey information to the wide public. (AP, AN)	<ol style="list-style-type: none"> <li>1. Lecture</li> <li>2. Discussion</li> <li>3. Problem solving</li> <li>4. Brainstorming</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by assignments</li> <li>2. Evaluate by oral examination</li> <li>3. Evaluate by written examination</li> <li>4. Evaluate by project</li> </ol>
PLO6 Apply managerial	<ol style="list-style-type: none"> <li>1. Lecture</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by assignments</li> </ol>

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program Learning Outcomes (PLOs)	Teaching Strategies	Evaluation Strategies
knowledge to conservation projects (AP, AN).	<ol style="list-style-type: none"> <li>2. Discussion</li> <li>3. Problem solving</li> <li>4. Brainstorming</li> </ol>	<ol style="list-style-type: none"> <li>2. Evaluate by project</li> <li>3. Evaluate by case study</li> </ol>
PLO7 Select appropriate methods in the examination and treatment of artefacts. (AN)	<ol style="list-style-type: none"> <li>1. Discussion</li> <li>2. Simulations</li> <li>3. Focused Imaging</li> <li>4. Models</li> <li>5. Field Trip</li> <li>6. Experiment</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by in-class observation</li> <li>2. Evaluate by project</li> <li>3. Evaluate by case study</li> <li>4. Evaluate by experiment</li> <li>5. Evaluate by report</li> </ol>
PLO8 Develop appropriate strategies to address problems in cultural heritage conservation and management by using research skills (E, C).	<ol style="list-style-type: none"> <li>1. Work Assignment</li> <li>2. Research Projects</li> <li>3. Computer-Aided Instruction</li> <li>4. Reflection</li> </ol>	<ol style="list-style-type: none"> <li>1. Evaluate by assignments</li> <li>2. Evaluate by project</li> <li>3. Evaluate by case study</li> <li>4. Evaluate by report</li> </ol>

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The relationships between Program Learning Outcomes (PLOs) and Thai Qualification Framework (TQF)

<i>Program Learning Outcomes (PLOs)</i>	<i>1. Morality and Ethics</i>				<i>2. Knowledge</i>			<i>3. Intellectual Skills</i>			<i>4. Interpersonal skill and Responsibility</i>		<i>5. Mathematical, Analytical Thinking, Communication, and Information Technology Skills</i>				
	1	2	3	4	1	2	3	1	2	3	1	2	1	2	3	4	
PLO1: Identify concepts and theories related to cultural heritage conservation					✓		✓										
PLO2: Understand western and eastern philosophy expressed through artistic objects					✓	✓			✓								
PLO3: Apply the ethics of conservation practice at work	✓	✓	✓														
PLO4: Demonstrate interpersonal skills and ability to communicate with people from different backgrounds	✓	✓		✓								✓	✓	✓	✓	✓	
PLO5: Use appropriate media to convey information to the wide public			✓			✓		✓							✓	✓	
PLO6: Apply managerial knowledge to conservation projects					✓				✓	✓		✓			✓	✓	
PLO7: Select appropriate methods in the examination and treatment of artefacts.	✓	✓			✓	✓		✓				✓					

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<i>Thailand Qualification Framework (TQF)</i>  <i>Program Learning Outcomes (PLOs)</i>	1. <i>Morality and Ethics</i>				2. <i>Knowledge</i>			3. <i>Intellectual Skills</i>			4. <i>Interpersonal skill and Responsibility</i>		5. <i>Mathematical, Analytical Thinking, Communication, and Information Technology Skills</i>			
	1	2	3	4	1	2	3	1	2	3	1	2	1	2	3	4
PLO8: Develop appropriate strategies to address problems in cultural heritage conservation and management by using research skills	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓

## TQF. 2

The learning outcomes of each domain are as follows

### **1. Moral and Ethics**

- 1) Show the evidence of moral and ethics e.g. honesty, integrity, honesty; and be able to solve conflicts with professional ethics;
- 2) Have a positive attitude throughout the career and demonstrate ethical behaviour and equity towards others;
- 3) Be responsible for assigned duties, be able to work as a team leader or a good team member and act as role model for others at the working place;
- 4) Show discipline and follow the rules and regulations of the society.

### **2. Knowledge**

- 1) Wide knowledge in cultural heritage conservation and management of both theory and practice, and stay internationally competitive;
- 2) Integration and application of knowledge of other related subjects;
- 3) Knowledge on research techniques, problem solving process and the enhancement of knowledge.

### **3. Intellectual Development**

- 1) Be able to search and analyse various sources of information for the process of problem solving, whilst demonstrating preventative and solvable actions for resolving conflicts in breadth;
- 2) Be able to suitably apply theory and practice to on site projects and in real environments;
- 3) Employ innovation and other related sciences to develop a better and more efficient skillset at work.

### **4. Interpersonal Relationships and Responsibility**

- 1) Be responsible for given assignments, be a constructive and helpful team member and participate in group problem solving;
- 2) Show self-improvement and stay internationally competitive throughout one's career.

**5. Mathematical, Analytical Thinking, Communication Skills and Information Technology Skills**

- 1) Have the ability to use foreign languages in listening, speaking, reading and writing and efficiently summarize details;
- 2) Have appropriate communication skills according to situations and cultural contexts;
- 3) Have the ability to apply information technology to communicate and effectively select the type of presentation suitable to topics and audiences;
- 4) Be able to apply appropriate statistical and mathematical methods in processing, interpreting and analysing problems.



TQF. 2

Curriculum Mapping

Distributed by Course and PLOs: Program Learning Outcomes

Course Code/ Course Title	PLOs : Program-Level Learning Outcomes							
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
955 501 Health and Safety for Conservators	●		●				●	
955 502 Chemistry for Conservators	●						●	
955 503 Practicum in Conservation	●					●	●	
955 504 English for Conservators				●	●			
955 511 Transcultural Reflections of Art Development		●						
955 512 Presentation and Communication Skills				●	●			
955 513 Southeast Asian Art and Cultural History		●						
955 514 Seminar on Cultural Heritage	●				●	●	●	
955 515 Cultural Heritage Management	●	●				●		
955 516 Project and Site Management			●	●		●		
955 517 Research Methods in Cultural Heritage Conservation and Management	●		●	●	●	●		
955 521 Introduction to Conservation - Materials & Technology	●						●	
955 522 Conservation Science I	●						●	
955 523 Conservation Practice I	●		●				●	
955 524 Documentation and Photography					●		●	
955 525 International Conservation Practice I		●		●			●	
955 526 International Projects- Conservation Campaigns		●		●			●	
955 527 Preventive Conservation and Collection Care	●					●	●	

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Course Code/ Course Title	PLOs : Program-Level Learning Outcomes							
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
955 528 Conservation Practice II	●		●				●	
955 529 Conservation Theory and Methodology at International level	●							
955 530 Conservation Science II	●						●	
955 531 International Conservation Practice II		●		●			●	●
955 541 Introduction to Transcultural Communication and Collaboration				●	●			
955 542 Conservation Teaching Workshop I – Preparations				●	●			
955 543 Conservation Teaching Workshop I– Teaching				●	●			
955 544 Reflection of Transcultural Collaboration				●	●			
955 545 Conservation Teaching Workshop II – Preparations				●	●			
955 546 Conservation Teaching Workshop II – Teaching				●	●			●
955 547 Hindu and Buddhist Temples in South and Southeast Asia		●						
955 548 In front of the Artwork – View, Analyses and Reflection							●	
955 549 International Frameworks and World Heritage	●	●						
955 550 Cultural Property Protection	●		●				●	
955 551 Introduction to Tibetan and Buddhist Studies		●						
955 552 Presentation Techniques and Media				●	●			

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Course Code/ Course Title	PLOs : Program-Level Learning Outcomes							
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
955 553 Preventive Conservation	●					●	●	
955 554 Seminar on Cultural Heritage in Thailand	●				●	●	●	
955 561 Western Art and Cultural Histoty		●		●				
955 562 Academic Writing for Conservators				●	●			
955 563 Heritage and Environmental Issues	●		●			●		
955 564 Heritage Management for Sustainability	●		●			●		
955 565 Cultural Landscape Management for Sustainable Tourism	●		●			●		
955 591 Thesis	●	●	●	●	●	●	●	●
955 592 Independent study	●	●	●	●	●	●	●	●

**Remark :** “●” signifies the correlation between learning outcomes of each course and the program learning outcomes (PLOs). Each course must respond to at least one of the PLOs.

## TQF. 2

Curriculum Mapping and PLOs: Program Learning Outcomes  
Classified According to the Core Courses and Required Courses (by year order)

Year/ Course Code/ Course Title*	No. of Credit	PLOs : Program-Level Learning Outcomes							
		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
<b>Year 1</b>									
955 511 Transcultural Reflections of Art Development	1(1-0-2)		U, At						
955 514 Seminar on Cultural Heritage	1(1-0-2)	U				Ap, An	Ap, An	An, S	
955 517 Research Methods in Cultural Heritage Conservation and Management	3(3-0-6)	U		Ap, At	Ap, At	Ap, At	Ap, An		
<b>For students enrolled at Silpakorn University</b>									
955 521 Introduction to Conservation -Materials & Technology	1(1-0-2)	U						An, S	
955 522 Conservation Science I	1(1-0-2)	U						An, S	
955 523 Conservation Practice I	5(2-6-7)	U		Ap, At				An, S	
955 524 Documentation and Photography	1(1-0-2)					Ap, At		An, S	
955 525 International Conservation Practice I	3(1-4-4)		U, At		Ap, At			An, S	
955 526 International Projects-Conservation Campaigns	2(2-0-4)		U, At		Ap, At			An, S	
<b>For students enrolled at University of Applied Arts Vienna</b>									
955 541 Introduction to Transcultural Communication and Collaboration	1 credit				Ap, At	Ap, At			

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Year/ Course Code/ Course Title*	No. of Credit	PLOs : Program-Level Learning Outcomes							
		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
955 542 Conservation Teaching Workshop I– Preparations	2 credits				Ap, At	Ap, At			
955 543 Conservation Teaching Workshop I– Teaching	4 credits				Ap, At	Ap, At			
955 547 Hindu and Buddhist Temples in South and Southeast Asia	1 credit		U, At						
955 548 In front of the Artwork – View, Analyses and Reflection	1 credit							An, S	
955 549 International Frameworks and World Heritage	2 credits	U	U, At						
955 552 Presentation Techniques and Media	1 credit				Ap, At	Ap, At			
955 591 Thesis (equivalent to)	18 credits	U	U, At	Ap, At	Ap, At	Ap, At	Ap, An	An, S	E, C
<b>Year 2</b>									
955 512 Presentation and Communication Skills	2(1-4-3)				Ap, At	Ap, At			
955 513 Southeast Asian Art and Cultural History	1 (1-0-2)		U, At						
955 515 Cultural Heritage Management	3 (3-0-6)	U	U, At				Ap, An		
955 516 Project and Site Management	3 (3-0-6)			Ap, At	Ap, At		Ap, An		
955 591 Thesis (equivalent to)	18 credits	U	U, At	Ap, At	Ap, At	Ap, At	Ap, An	An, S	E, C
955 592 Independent Study (equivalent to)	6 credits	U	U, At	Ap, At	Ap, At	Ap, At	Ap, An	An, S	E, C
<b>For students enrolled at Silpakorn University</b>									
955 527 Preventive Conservation and Collection Care	2 (1-2-3)	U					Ap, An	An, S	
955 528 Conservation Practice II	5(2-6-7)	U		Ap, At				An, S	

## TQF. 2

Year/ Course Code/ Course Title*	No. of Credit	PLOs : Program-Level Learning Outcomes							
		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
955 529 Conservation Theory and Methodology at International level	1(1-0-2)	U							
955 530 Conservation Science II	1(1-0-2)	U						An, S	
955 531 International Conservation Practice II	3(1-4-4)		U, At		Ap, At			An, S	E, C
<b>For students enrolled at University of Applied Arts Vienna</b>									
955 544 Reflection of Transcultural Collaboration	1 credit				Ap, At	Ap, At			
955 545 Conservation Teaching Workshop II – Preparations	2 credits				Ap, At	Ap, At			
955 546 Conservation Teaching Workshop II – Teaching	4 credits				Ap, At	Ap, At			E, C
955 550 Cultural Property Protection	1 credit	U		Ap, At				An, S	
955 551 Introduction to Tibetan and Buddhist Studies	3 credits		U, At						
955 553 Preventive Conservation	1 credit	U					Ap, An	An, S	
955 554 Seminar on Cultural Heritage in Thailand	1 credit	U				Ap, An	Ap, An	An, S	

**Remarks** \* refer to course’s learning objectives according to Bloom’s six levels of Cognitive Domain (revised version), each of which is represented by the following characters: “R” for remembering, “U” for understanding, “Ap” for applying, “An” for analyzing, “E” for evaluating, “C” for creating. For Psychomotor Domain, “S” represents skills while “At” for Affective Domain.

## Expected Learning Outcome at the end of Academic Year

Year	Expected Learning Outcomes at the end of Academic Year
Year 1	After completing the first year, students will be able to carry out basic conservation and restoration tasks, including a survey of the object and the development of a strategic approach to its conservation and/or restoration, applying basic knowledge in natural (conservation) sciences, art history, material and techniques and conservation and restoration practice. They will understand advanced conservation and restoration processes involving self-reflection of their level of expertise and the ability to involve competent experts for tasks exceeding their own level of practice.
Year 2	After completing the second year, students will be equipped with overview of the international professional field in conservation and restoration, including relevant international organizations and networks, as well as transcultural communication and collaboration skills. They will be able to build their own professional networks based on practical collaboration experiences during the studies and conduct basic project, site and cultural heritage management

## Section 5 Students Assessment Criteria

### 1. Regulations and criteria of grading systems

The grading and evaluation system is in accordance with the regulations of Silpakorn University Graduate School B.E. 2561 (Appendix A) and /or any revised version.

### 2. Students' assessment

To achieve quality standards, The Master of Arts Program in Cultural Heritage Conservation and Management (International Program) complies with the AUN-QA criterion 5 as follows:

#### Criterion 5: Student Assessment

5.1 The student assessments are conducted in line with the expected learning outcomes.

5.2 The student assessments including timelines, methods, regulations, weight distribution, rubrics and grading are clear and communicated to students.

5.3 The assessment methods including assessment rubrics and marking schemes are devised to ensure validity, reliability and fairness.

5.4 Assessment feedbacks is constructive and provided in a timely manner.

5.5 Students have ready access to appeal procedure.

### 3. Verification Process of Students' Achievement Results

#### 3.1 Monitoring Process of Academic Standards

Appoint a committee to randomly review test papers according to the following criteria:

1. Learners should have an opportunity to evaluate each course
2. In-course assessments should match with standard learning outcomes
3. Analyse and measure the variation of students' grades.
4. Examine the grading of reports and other forms of student assignments.
5. Students' results will be presented to the Faculty's Executive Board

#### 3.2 Evaluation of Graduates' Performance

Surveys will be conducted to assess the graduates' competence after finishing the program. This will be served as guidelines for curriculum improvement.

The surveys involve collecting the following data:



1. Graduate employment, job searching period, opinions on the curriculum and career confidence.
2. Employers' satisfaction towards the graduates
3. Curriculum efficiency (based on opinions expressed by recent graduates and newly-hired employees)

#### **4. Graduation Criteria**

##### **Plan A-A1**

Students' thesis and thesis defense must be approved by the committee appointed by the Graduate school. The thesis defense will be open to the public. The research or part of the research must be published or accepted to be published in an academic journal at national or international level in compliance with the announcement of the Higher Education Commission on academic journal consideration criteria for research dissemination.

##### **Plan B**

Students must pass all courses stipulated in the curriculum and obtain minimum 3.00 out of 4.00 or equivalent, as well as written or oral comprehensive examination. Students' independent study and research defense must be approved by the committee appointed by the Graduate school. The defense will be open to the public. To be eligible to graduate, the research or part of the research must be published or accepted to be published in an academic journal or a publication or a proceedings of an academic conference or able to be retrieved.

##### **Others**

Grading criteria is conducted in accordance with the regulations imposed by Silpakorn University Graduate School B.E. 2561 (Appendix A) and/or its amendment and Ministry of Education's regulations on postgraduate curriculum standards B.E. 2558 and/or its amendment.