

Topics	Professors	Course hours <sup>1</sup>		Validation <sup>2</sup>			ECTS <sup>3</sup>	Sem. <sup>4</sup>
		Rec.	Opt.	Pres.	Pres. + eval.	Self. + eval.		

### Theory of Conservation and Conservation-Restoration

MA.AC1.1 / Heritage and environment							3	A
Outdoor/indoor : environmental basics and their control (light, RH, T°, pollutants), measurements and tools	Thierry Jacot	16		x				
Physics of buildings	Pierre Diaz-Pedregal	8		x				
Interactions of objects with their environment	Frédéric Ladonne	8		x				
MA.AC2.1 / Managing the collection and its environment							3	S
Risk management (disaster, building, climat, hazards, theft, vandalism, negligence, fire, water, professional resources ). Risk, disaster planning (principles, identification, disters planning models) Security and safety (management, control, equipment) Collection assesement (space, volume, calculation)	Thierry Jacot	28		x				
Pest identification and pest control (insects and microorganisms : museums, preserved specimen)	Eléonore Kissel	8		x				
MA.TC3-STH.2 / Theory of conservation							1	A
Modern alloys	Christian Degrigny	8		x				
MA.TC6 / Theory of conservation : analytical methods							5	S
Scientific Analysis in conservation <b>TC6.1</b>	Christian Degrigny	24			x			
Microscopy <b>TC6.2</b>	Christian Degrigny, Nadim Sherer	16		x				
Cristallography / Metallography <b>TC6.3</b>	Christian Degrigny	8			x			
MA.TC5.1 / Theory of conservation		40					4	S
Electrolysis in Conservation	Christian Degrigny				x			
MA.TC8.2 / Theory of conservation		40					4	A
Management and marketing for the conservator-restorator	Insurance Company ?			x				
MA.TC2.1 / Block Course		40					4	A
Courses given at HKB, SUPSI and Riggisberg	HKB / SUPSI							
MA.TC2.2 / Block Course		40					4	A
Courses given at HKB, SUPSI and Riggisberg	HKB / SUPSI							
MA.TC5.2 / Block Course		40					4	S
Courses given at HKB, SUPSI and Riggisberg	HKB / SUPSI							
MA.TC8.1 / Block Course		40					4	A
Courses given at HKB, SUPSI and Riggisberg	HKB / SUPSI							
MA.BC1.1 / Preventive conservation : cultural heritage (collection & building)							3	A
Origin and sensitivity (interactions)	Aurélie RvBieberstein	8		x				
Compatibility of exhibition and storage materials identification tests)	Alexis Domjan	12		x				
Disaster planning (Risk assessment and management of resources, examination methods and damage monitoring strategies)	Karin von Lerber	16		x				
MA.TC7 / Theory of conservation : organic materials							1	A
Polymers (plastics, elastomers) TC7-AE.2 / TC7-STH.2	Sylvie Ramel	4		x				
Natural History collections (preserved specimens) TC7-AE.3	Jacques Cuisin	8		x				
<b>Total</b>							<b>40</b>	

## Conservation workshop

MA.AW1 / Preventive conservation workshop		160					6	A	
Methodology : documentation, equipment, products	Thierry Jacot			x					
Handling, transportation, storage, mounting, packing									
Monitoring and monitoring tools						x			
MA.AW3 / Preventive conservation workshop		160		x			6	S	
Methodology : documentation, equipment, products	Thierry Jacot								
Condition assessment									
MA.BW1 / Preventive conservation workshop							6	A	
Material processing techniques	Bluenn Boulangé		48	x					
Mounting, boxing, packaging									
Mounting techniques : Part I (Metalworking)	Guillaume Rapp		56	x					
Identification tests	Alexis Domjan		16	x					
MA.BW3 / Preventive conservation workshop							6	S	
Mounting techniques : Part II	Valentin Boissonnas		82	x					
Material processing technique : mounting, boxing, packaging	Bluenn Boulangé		60	x					
MA.CW5 / Preventive conservation workshop : Risks and disasters							6	S	
Identification and consequences, workshop in situ (transport, storage, detection, action, planning)	Eléonore Kissel et Karin von Lerber		67	x					
Inventory, labelling, storage	Curators from museum,		7	x					
Mounting, labelling, transport	Catherine Didelot		20	x					
Health and safety in situ	Stéphanie Negri		6	x					
Microorganisms : identification, manipulation, health and safety measures	Daniel Job		10	x					
On site management	PBC								
On site risk management	Fire brigade from Neuchâtel		24	x					
MA.WP1-9 / Conservation-restoration workshop			106				10	A/S	
Interdisciplinary and scientific approach to conservation projects (for practising conservators-restorators only)	Regis Bertholon, Christian Binet, Valentin Boissonnas, Stéphane Crevat, Hortense de Corneillan, Christian Degriigny, Tobias Schenkel								
<b>Total</b>							<b>40</b>		

## Natural sciences

MA.BN1.4 / Introduction to instrumental analysis		12				x	1	A
Elementary approach to analytical techniques	Christian Degrigny							
Basic concepts of scientific analysis								
Imaging techniques, chemical analysis, age-dating techniques, material testing								
Advanced analytical techniques (FT-IR, Raman, REM-EDS, XRF, XRD, TGA, DSC, EPMA, PLM, chromatography, Laser : MAI,DI, I,IBS, I,IE)								
From sample preparation to data interpretation								
Material testing								
MA.BN2.3 / Introduction to microscopy for conservators	Nadim Scherer	12				x	1	S
Basics in microscopy								
Microscopy in conservation								
Typical material damaging								
MA.BN2.4 / Photographic and other imaging methods		12				x	1	S
Photo, UV, NIR, X-Ray, Radiography, IR-Thermography	Christian Degrigny							
Applications in art technology								
<b>Total</b>							<b>3</b>	

## Humanities

MA.AH1.2 / Written documentation & Methodology-I		24				x	2	A
Methods of scientific work : litterature and library research, study and review of sources, references and citations, text analysis	Aurélie RvBieberstein							
Strategies and methods of written documentation for cultural objects								
Terms and language in conservation								
MA.BH1.2 / Written documentation & Methodology-II		24				x	2	A
Aims, documentation forms, pertinence of information	Aurélie RvBieberstein							
Database								
Terms and language in conservation								
MA.BH2.2 / Legal aspects in conservation		8					1	S
Legal aspects	Yves Fischer			x				
<b>Total</b>							<b>5</b>	

## ECTS to obtain

Bologna Master's degree (3 + 2 years)	300 ECTS
Recognized ECTS : HES diploma	240 ECTS
Remaining ECTS to obtain	60 ECTS
Recognized ECTS : work experience	individual evaluation

<sup>1</sup>Course hours (60 minutes)

<sup>2</sup>Validation

Rec. : recommended  
Opt. : optional

<sup>3</sup>ECTS (European Credit Transfert System)

Pres. : presence only  
Pres. + eval. : presence and evaluation  
Self. + eval. : self study and evaluation

<sup>4</sup>Semester : A = Autumn, S = Spring

**Registration fees : 150.- CHF**

**Tuition fees : according to the programm**