Study plan Bachelor

### Bachelor of Arts HES-SO in Conservation, 180 ECTS, 2022-2025

All courses are evaluated on a regular basis (written or oral examinations, written documentations, exercises and laboratories, presence). conservation-restauration@he-arc.ch, +41 (0)32 930 19 19

					-	Let's pro Semester					
						180					
	1					24	36	24	36	33	30
Module	SWH <sup>1</sup> Coef unit	Module / Unit titel	Courses description	Teacher	Course hours <sup>2</sup>	<b>S1</b>	<b>S2</b>	<b>S</b> 3	<b>S</b> 4	S5	<b>S6</b>
AC1	180	Conservation 1			88	6					
AC1.1	0.4	Managing collections and their environment 1	Physics of buildings Environmental basics: Relative Humidity, Temperature. Measurements and tools Principles of preventive conservation.	TJA	12						
			Processus, documentation and terminology in	RBE	4						
			CR								
AC1.2	0.4	Visual documentation 1	Computer tools	TJA	8						
			Photography - studio and on site, and computer graphics 1	Brodard	20						
			Introduction to microscopy for conservators	AME	12						
AC1.3	0.2	Introduction to materials used for artifacts 1	Ceramic, glass 1 - material, technology and degradation processes	СМА	16						
AH1	180	Humanities 1		I	81	6					
AH1.1	0.4	Objects and Societies 1	Antiquity	Freymond (HDE)	10						
			From the "big bang" to our days, geographical survey, Paleolitic, neolitic, protohistory	AGM	19						
AH1.2	0.3	Written documentation and methodology 1	Method of documentation, assessment of the conditions of conservation, establishment of a repository and choice of indicator	NDU	28						
AH1.3	0.3	Objects, heritage and museums 1	Ethnographic object and Society	AGM	12						
			Technological objects and history 1	JBO	12						
AN1	180	Natural sciences 1			92	6					
AN1.1	0.4	Basics in Chemistry 1	Composition and binding in materials ; Stoichiometry Thermodynamic and kinetic of chemical reactions : Chemical equilibrium	ADO	36						
AN1.2	0.3	Basics in Physics 1	Applied physics to conservation 1	LBR	24						
AN1.3	0.1	Introduction to properties of materials 1	Inorganic material	ADO	12						
AN1.4	0.2	Health and safety 1	Occupational health and safety prevention: legal bases and statistics, chemical, physical, biological, mechanical and fall hazards, ergonomics, personal protective equipment, prevention methods	Gerber	8						
AN1.5	sans éval.		Introduction to Basic Life Support and First aid Basics in Maths : support course open to every	Seghaïria / Mayeur LBR	12 4						
7.1.1.5	Suns eval.		CR students	LOIN	- 7						
AW1	180	Conservation workshop 1			166	6					
AW1.1	0.3	Collections conservation survey and monitoring 1	Monitoring and monitoring tools, data capture with Excel.	ALT	44						
AW1.2	0.4	Ceramic	Project management : examination, diagnostic, propositions, documentation Cleaning Adhesives and coating Labelling Visits : handworkers, workshops, museum collections, laboratories	СМА	64						
AW1.3	0.2	Moulds and copies		Hug	36						
AW1.4	0.1	Basic tools and documentation in CR	Basic tools in CR Computer tools for collections management	ARC Brodard	8 14						
			system and CR-documentation 1	5.50010	-7						



**ECTS pro Semester** 

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							ECTS	6 pro	Seme	ester		
							180					
						24	36	24	36	33	30	
Module	SWH <sup>1</sup> Coef unit	Module / Unit titel	Courses description	Teacher	Course hours <sup>2</sup>	<b>S1</b>	S2	<b>S</b> 3	S4	S5	<b>S6</b>	
AC2	180	Conservation 2			71		6					
AC2.1	0.1	Managing collections and their environment 2	Processus, documentation and terminology in CR	ACU	4							
			Environmentatl basics: light and pollutants. Measurements and tools	TJA	3							
AC2.2	0.3	Visual documentation 2	Drawing : vector drawing and image processing	RJE	20							
AC2.3	0.6	Introduction to materials used for artifacts 2	- Vegetal, animal and composite materials - materials, technology and degradation processes	Goron	20							
			Paleoecology. Introduction to geology.	AME	12	1						
			Polymers and resines 1 - material and degradation processes	ADO	8							
			Mosaics 1 - material and degradation processes	Chantriaux	4							
AH2	180	Humanities 2			71		6					
AH2.1	0.3	Objects and Societies 2	Early Middle Ages, Late Middle Ages	Freymond (HDE)	19							
AH2.2	0.4	History, ethics and theory of conservation	Method of documentation, assessment of the conditions of conservation, establishment of a repository and choice of indicator	NDU	28							
AH2.3	0.3	Objects, heritage and museums 2	Ethnographic object and Society	AGM	12							
			Technological objects and history 2	JBO	12							
AN2	180	Natural sciences 2			72		6					
AN2.1	0.5	Basics in Chemistry 2	Acids and bases; redox reactions, oxydation and reduction, electrochemistry.	ADO	36							
AN2.2	0.3	Basics in Physics 2	Applied physics to conservation 2	LBR	24							
AN2.3	0.2	Introduction to properties of materials 2	Organic materials	ADO	12	1						
AW3	180	Conservation workshop 3	-		164		6					
AW3.1	0.6	Collections conservation survey and monitoring 2	Climate studies. Collections conservation assessment. Long term storage materials. Handling and transportation.	TJA	96							
			Object labelling or marking. Inventory number	Kissel	4	1						
AW3.2	0.3	Packing 1 : Conservation storage materials and systems	Packing system, material working (synthetic	Boulangé	48							
AW3.3	0.1	Materials identification tests	Oddy test and material identification tests.	ADO	16							
AW2	180	Conservation workshop 2 - external					6					
AW2		Preventive conservation for heritage collections 1. Traineeship.	Collections conservation assessment. Handling, transportation, storage, packing	ALT	4.5 weeks							
AW4	180	Conservation workshop 4 - external					6					
AW4		Preventive conservation for heritage collections 2. Traineeship.	Collections conservation assessment. Handling, transportation, storage, packing	ALT	4.5 weeks							

2/5





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							ECTS	5 pro	Seme	ester	
						180					
	1					24	36	24	36	33	30
Module	SWH <sup>1</sup> Coef unit	Module / Unit titel	Courses description	Teacher	Course hours <sup>2</sup>	<b>S1</b>	<b>S2</b>	S3	<b>S</b> 4	S5	<b>S6</b>
BC1	180	Conservation 3			86			6			
BC1.1	0.6	Managing the collection and its environment 1	Compatibility of storage and exhibition materials	ADO	12						
			Origin and sensitiveness (interactions)	NDU	8						
			Photography - studio and on site, and computer graphics 2	VAB	16						
			Cultural values, authenticity and conservation principles	RBE	12						
BC1.2	0.2	Technology of artifacts 1	Identification of traces of manufacturing and use	TSC	4						
			Metal and alloys 1 - materials and technology	VBO	8						
			Metal and alloys 2 - structure and degradation processes	VBO	8						
BC1.3	0.2	Introduction to degradation processes 1	Architecture, stone, mortar, wall paintings 2 - Materials, technology and degradation processes	Guyot	12						
			Polymers (artificial and synthetic materials) - Materials and degradation processes	Rouzet	6						
BH1	180	Humanities 3			56			6			
BH1.1	0.3	Objects and Societies 3	Renaissance, 17th	Laurenti (HDE)	18						
BH1.2	0.3	Written documentation and methodology 2	Terms and language of conservation (8h). Aims, documentation forms, permanence of information (6h).	GRA	14						
BH1.3	0.4	Objects, heritage and museums 3	Heritage objects : the Ethnologist point of view	AGM	12						
			Scientific and technological heritage in History	JBO	12	1					
BN1	180	Natural sciences 3	•		68			6			
BN1.1	0.4	Chemistry for conservation 1	Organic chemistry; Organic Nomenclature	ADO	24						
			Laboratory techniques: weighting and	ADO	4						
BN1.2	0.3	Basics in Biology 1	The living : plant and animal cells, protozootes,	AME	24						
BN1.3	0.2	Introduction to instrumental analysis	Photo, UV, NIR, X-Ray, Radiography, IR-	CDE	12						
BN1.4	0.1	Health and safety 2	Introduction to Basic Life Support and First aid (Reminder)	Gelin	4						
BW1	180	Conservation workshop 5			190			6			
BW1.1	0.3	Composites : dismantling 1	Dismantling and reassembling methods	TSC	64						
BW1.2	0.5	Basics in wood and metal working	Basics in woodworking	Grall Burst	40	]					
			Material working, wood working, metal working, mounting, boxes, packing, working with synthetic polymers	GRA	56						
BW1.3	0.1	Documentation	Collections management systems and documentation in CR (advanced)	VAB	14	1					
BW1.4	0.1	Polymers: artificial and synthetic materials - identification and condition assessment		Rouzet	16	1					
		achanisation and condition assessment			1						

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SWH <sup>1</sup>								ECTS pro Semester					
synth     formal     formal <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th colspan="4">180         24       36       24       36       33         51       52       53       54       55         0       0       6       0         1       52       53       54       55         24       36       1       6       0         1       52       53       54       55         24       6       0       0         25       52       53       54       55         3       6       0       0         3       6       0       0         4       6       0       0         5       6       0       0         5       6       0       0         5       6       0       0         5       6       0       0         6       0       0       0         6       0       0       0         6       0       0       0         6       0       0       0         6       0       0       0         6       0       0       0         7       0<th></th></th>								180         24       36       24       36       33         51       52       53       54       55         0       0       6       0         1       52       53       54       55         24       36       1       6       0         1       52       53       54       55         24       6       0       0         25       52       53       54       55         3       6       0       0         3       6       0       0         4       6       0       0         5       6       0       0         5       6       0       0         5       6       0       0         5       6       0       0         6       0       0       0         6       0       0       0         6       0       0       0         6       0       0       0         6       0       0       0         6       0       0       0         7       0 <th></th>					
<table-container>MediaConstrained (solution)Course data (solution)<thc< th=""><th></th><th>cum<sup>1</sup></th><th></th><th></th><th></th><th></th><th>24</th><th>36</th><th>24</th><th>36</th><th>33</th><th>30</th></thc<></table-container>		cum <sup>1</sup>					24	36	24	36	33	30	
8.C.1       0.2       Visaid documentation 3       Photography - studio and on site, and computer       VAB       12         8.C.2       0.6       Technology of artifacts 2       Scipure and againing - Materials, technology and dispusition processes       Vogit       8         8.C.2       0.6       Technology of artifacts 2       Scipure and agriculture and agriculture processes       Vogit       8         8.C.3       0.0       Introduction to degradation processes       Vogit       8         8.C.3       0.0       Introduction to degradation processes       200       3         8.C.3       0.0       Introduction to conservent to alloy datases and volume       TI/A       12         8.C.3       0.0       Objects and societies 4       IBTs: 19th and 21st Centuries       Rodenmain       10         8.C.3       0.3       Objects, hertiage and work management In       ILdwing       Rodenmain       10         8.R2.1       0.4       Onemain       10       10       10 <t< th=""><th>Module</th><th></th><th>Module / Unit titel</th><th>Courses description</th><th>Teacher</th><th>Course hours<sup>2</sup></th><th><b>S1</b></th><th><b>S2</b></th><th>S3</th><th><b>S</b>4</th><th>S5</th><th>S6</th></t<>	Module		Module / Unit titel	Courses description	Teacher	Course hours <sup>2</sup>	<b>S1</b>	<b>S2</b>	S3	<b>S</b> 4	S5	S6	
BC.2. BC.2. BC.2. BC.2.0.6 Technology of artificts 2 Technology of artificts 2. Independention processe Pro	BC2	180	Conservation 4			67				6			
BE2.2     0.6     Technology of artifacts 2     Coupler and pairing - Material, schmology of paper, Protography - material, schmology of Protography - material, schmology of paper, Protography - material, schmology of paper, Protography - material, schmology of Protography - material, schmology of paper, Protography - material, schmology of Protography - material, schmology of paper, Protography - material, schmology of paper, Protography - material, schmology of Protography - material, schmology of paper, Protography - material, schmology of p	BC2.1	0.2	Visual documentation 3		VAB	12							
Paper, Protograph - materials, stennology and generation processeSecond Second Se	BC2.2	0.6	Technology of artifacts 2		ANG	20							
Instant series 1 - material and degradation processes         Vogt         8           BC2.3         0.2         Introduction to degradation processes 2         Collection assemint. Storage plan and momenters, edited i gone and volume integration and volume integration and volume integration. Storage plan and momenters, edited i gone and volume integration. Storage plan and momenters, edited i gone and volume integration. Storage plan and momenters, edited i gone and volume integration. Storage plan and momenters, edited i gone and volume integration. Storage plan and momenters in concervation. Storage plan and gone integration. Storage plan and gone integr				Paper, Photography - materials, technology and	Dobrusskin	8							
Pignents and dyes         EDO         3           BC23         0.2         Introduction to degradation processes 2         Collection assement: Storage plans and management (acid space and volume)         TA         12           BK2         100         Humanities 4         TC         100         8         6         0           BH2.1         0.4         Objects and Societies 4         20th and 21st Centuries         80 demman         100           BH2.2         0.3         Legal spects, busines and work management in conservation conservation         Ludwig         160         6         0           BH2.3         0.3         Objects, heritage and museums 4         Bithographic objects in museums         Fischer         180         10         0					Vogt	8							
BC2.3       0.2       Introduction to degradation processes 2       Collection assessment : Storage plans and volume       T/A       12         BK2       180       Humanities 4       Image: Collection assessment : Storage plans and volume       T/A       12       Image: Collection and legal aspects, business and work management in conservation conservation       HDE       18       18       Image: Collection and legal forms of a company; and				Textiles 2 - technology	Schorta	4							
BR2         100         Humaniss 4         Images 1         Images 1 <thimages 1<="" th=""> <thimages 1<="" th="">         Image</thimages></thimages>				Pigments and dyes	EJO	3							
BH2BH2Muantics 4Image: Section 2Image: Sect	BC2.3	0.2	Introduction to degradation processes 2		TJA	12							
Bit 2.2         0.3         Legal aspects, business and work management in conservation and legal from of a company; frames, financing, administration, contracts, accounting-legal aspects         Statistical and legal from of a company; frames, financing, administration, contracts, accounting-legal aspects         Statistical and legal from of a company; financing, administration, contracts, accounting-legal aspects         Statistical amplitude	BH2	180	Humanities 4			76				6			
BH2.2         0.3         Legal aspects, business and work management in conservation         Business and work management in .0rg misstion and legal forms of a conservation acruunting transmisstination, contracts, acruunting transmisstination, contracts, analysis         I.Ludwig fisher         16           BN2.2         0.3         Basics in Biology 2         Atomic and molecular orbitals; Mybridization, analysis         ADO         36         6         0         <	BH2.1	0.4	Objects and Societies 4	18th, 19th and 20th Century	HDE	18							
indegration         Organisation and legal forms of a company: taxes, financing, administration, contracts, accurring- Legal aspects         Image: Company: Fischer         Fischer         Image: Company: Fischer				20th and 21st Centuries	Bodenmann	10							
Image: Legal spects         Fischer         8           BH2.3         0.3         Objects, heritage and museums 4         Ethographic objects in museums         AGM         12           BN2         180         Natural sciences 4         Image: Scientific and technological Heritage in Museums         AGM         12           BN2.1         0.6         Chemistry for conservation 2         Atomic and molecular orbitals; Hybridization; ADO         36         Image: Scientific analysis         Atomic and molecular orbitals; Hybridization; ADO         36           BN2.2         0.3         Basics in Biology 2         Immetpretation of cultures, preparation and MME         IBR         8           BN2.3         0.1         Basic concepts of scientific analysis         An elementary approach to analytical         CDE         12           BW3.1         0.4         Metal and wood working applied to objects mounting.         Introduction to wood-turning. Coloring and painting. Conception of objects mounting analytis         Introduction to wood-turning. Coloring and painting. Conception of objects mounting analytis         Scientific analysis         Image: Scientific analytic in the science in the sc	BH2.2	0.3		; Organisation and legal forms of a company; Taxes, financing, administration, contracts,	Ludwig	16							
Scientific and technological Heritage in Museography         JBO         12           BN2         180         Natural sciences 4         Solutific and molecular orbitals; Hybridization; Linseed oil polymerisation workshop 8. FTIR analysis         ADO         36         I           BN2.1         0.6         Chemistry for conservation 2         Atomic and molecular orbitals; Hybridization; Linseed oil polymerisation workshop 8. FTIR analysis         ADO         36         I<					Fischer	8							
Image in the interpretation of cultures, preparation and molecular orbitals; Hybridization; ADO       ADO<	BH2.3	0.3	Objects, heritage and museums 4	Ethnographic objects in museums	AGM	12							
BN2180Natural sciences 4 $I$ <t< td=""><td></td><td></td><td></td><td></td><td>JBO</td><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>					JBO	12							
Inseed oil polymerisation workshop & FTIR analysisI.BR8 analysisBN2.20.3Basics in Biology 2Interpretation of cultures, preparation and Identification of micro-organismsAME1.2BN2.30.1Basic concepts of scientific analysisAn elementary approach to analyticalCDE1.2BW3180Conservation workshop 7210 $^{\circ}$	BN2	180	Natural sciences 4			80				6			
analysisImage for the protection of cultures, preparation and Identification and <b< td=""><td>BN2.1</td><td>0.6</td><td>Chemistry for conservation 2</td><td>Atomic and molecular orbitals; Hybridization;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></b<>	BN2.1	0.6	Chemistry for conservation 2	Atomic and molecular orbitals; Hybridization;									
BN2.2       0.3       Basics in Biology 2       Interpretation of cultures, preparation and Identification of micro-organisms       ELO       12         BN2.3       0.1       Basic concepts of scientific analysis       An elementary approach to analytical       CDE       12         BW3       180       Conservation workshop 7       ZIO					LBR	8							
BN2.3       0.1       Basic concepts of scientific analysis       An elementary approach to analytical       CDE       12         BW3       180       Conservation workshop 7       210       I       6       I         BW3.1       0.4       Metal and wood working applied to objects mounting. painting. Conception of objects mounting and aaolication.       TSC       82         BW3.2       0.3       Packing 2 : Conservation systems for transport to shock tests.       Collection assessment. Storage and transport. Introduction by shock tests.       Boulangé       60         BW3.3       0.2       Collections conservation survey and monitoring 3 management. Showcases conception project management. Showcases conception project       ANG       32         BW3.4       0.1       Colour and retouching colour and retouching       Collection assessment. Storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing	BN2.2	0.3	Basics in Biology 2		AME	12							
BW3180Conservation workshop 7210666BW3.10.4Metal and wood working applied to objects mounting. painting. Conception of objects mounting and application.TSC8282BW3.20.3Packing 2 : Conservation systems for transport to shock tests.Packing for storage and transport. Introduction to shock tests.Boulangé60BW3.30.2Collections conservation survey and monitoring 3 management. Showcases conception project Colour and retouchingANG32BW2180Conservation workshop 6 - externalCollection storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.VBO4.5 weeks60BW4180Conservation workshop 8 - externalClimate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.VBO/TJA4.5 weeks60BW4180Conservation for heritage collections 4. Traineeship.Climate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and management. Evaluation of storage				Identification of micro-organisms	EJO	12							
BW3.1       0.4       Metal and wood working applied to objects mounting. application.       Introduction to wood-turning. Coloring and painting. Conception of objects mounting and application.       TSC       82       82         BW3.2       0.3       Packing 2 : Conservation systems for transport       Packing for storage and transport. Introduction to shock tests.       Boulangé       60       60         BW3.3       0.2       Collections conservation survey and monitoring 3       Collection assesment. Storage plans and management. Showcases conception project       ANG       32         BW2       180       Conservation workshop 6 - external       Colour and retouching       ANG       32         BW2       Preventive conservation for heritage collections 3. Traineeship.       Climate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and       VBO/TJA       4.5 weeks       I       I       I	BN2.3	0.1	Basic concepts of scientific analysis	An elementary approach to analytical	CDE	12							
painting. Conception of objects mounting and application.Selection <t< td=""><td>BW3</td><td>180</td><td>Conservation workshop 7</td><td></td><td></td><td>210</td><td></td><td></td><td></td><td>6</td><td></td><td></td></t<>	BW3	180	Conservation workshop 7			210				6			
BW3.20.3Packing 2 : Conservation systems for transport to shock tests.Packing for storage and transport. Introduction to shock tests.Boulangé for storage plans and anaggement. Showcases conception projectBoulangé for ANG60BW3.30.2Collections conservation survey and monitoring 3 Collection assesment. Showcases conception projectANG36BW3.40.1Colour and retouchingColour and retouchingANG32BW2180Conservation workshop 6 - externalClimate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.VBO4.5 weeksd000000BW4180Conservation workshop 8 - externalClimate control, storage and display conditions, and management. Evaluation of storage and display conditions.VBO4.5 weeks000	BW3.1	0.4	Metal and wood working applied to objects mounting.	painting. Conception of objects mounting and	TSC	82							
BW3.40.1Colour and retouchingColour and retouchingANG32BW2180Conservation workshop 6 - externalImage ment. Showcases conception projectANG32BW2Neventive conservation for heritage collections 3. Traineeship.Climate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.VBO4.5 weeksImage mentImage	BW3.2	0.3	Packing 2 : Conservation systems for transport	Packing for storage and transport. Introduction	Boulangé	60							
BW2180Conservation workshop 6 - externalImage: Conservation workshop 6 - externalImage: Conservation workshop 6 - externalBW2Preventive conservation for heritage collections 3. Traineeship.Climate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.VBO4.5 weeksImage: Conservation workshop 8 - externalBW4180Conservation workshop 8 - externalClimate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions,VBO/TJA4.5 weeksImage: Conservation workshop 8 - externalImage: Conservation workshop 8 - externalIm	BW3.3	0.2	Collections conservation survey and monitoring 3		TJA	36							
BW2       Preventive conservation for heritage collections 3. Traineeship.       Climate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.       VBO       4.5 weeks       4.5 weeks       Image: Conservation for heritage collections 4. Traineeship.       Climate control, storage and display conditions, packing and transportation. Survey, assessment and management. Evaluation of storage and and management. Evaluation of storage and       VBO/TJA       4.5 weeks       Image: Conservation Conservatine Conservation Conservat	BW3.4	0.1	Colour and retouching	Colour and retouching	ANG	32							
Traineeship.packing and transportation. Survey, assessment and management. Evaluation of storage and display conditions.Image: Conservation workshop 8 - externalImage: Conservation workshop 8 - e	BW2	180	Conservation workshop 6 - external		-	-				6			
BW4 Preventive conservation for heritage collections 4. Climate control, storage and display conditions, VBO/TJA 4.5 weeks packing and transportation. Survey, assessment and management. Evaluation of storage and	BW2			packing and transportation. Survey, assessment and management. Evaluation of storage and	VBO	4.5 weeks							
Traineeship. packing and transportation. Survey, assessment and management. Evaluation of storage and	BW4	180	Conservation workshop 8 - external							6			
	BW4		-	packing and transportation. Survey, assessment and management. Evaluation of storage and	VBO/TJA	4.5 weeks							



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							ECTS	pro	Seme	ester	
								18	30		
						24	36	24	36	33	30
Module	SWH <sup>1</sup> Coef unit	Module / Unit titel	Courses description	Teacher	Course hours <sup>2</sup>	<b>S1</b>	S2	<b>S</b> 3	<b>S</b> 4	<b>S</b> 5	<b>S</b> 6
CC1	270	Conservation 5			104					9	
CC1.1	0.2	Advanced studies in technology, degradation and conservation of cultural heritage objects - metal and alloys	Archaeological and historic metals	VBO	14						
			Modern metal alloys	TSC	8						
CC1.2	0.2	Advanced studies in technology, degradation and conservation of cultural heritage objects - ceramic and glass	Ceramic, glass	СМА	16						
CC1.3	0.1	Advanced studies in technology, degradation and conservation of cultural heritage objects - organic materials	Organic materials	Goron	14						
CC1.4	0.1	Advanced course in physics	Applied physics to conservation 3	LBR	12						
CC1.5	0.4	Managing collections and their environment 4	Risk analysis	TJA	8						
				von Lerber	16						
				Sauvagnargues	16						
CH1-AE	90	Humanities 5-AE <sup>3</sup>	<u>.</u>	•	28					3	
CH1.1-AE	0.4	Objects, heritage and museums 5	Ethnology and its methods	AGM	12						
CH1.2-AE	0.6	Archaeology	Archaeological artefacts	AGM	16						
CH1-STH	90	Humanities 5-STH <sup>3</sup>			44					3	
CH1.1- STH	0.3	Objects, heritage and museums 5	Scientific and technological objects in museums 2	JBO	12						
CH1.2- STH	0.7	Scientific revolution and experimental science	History of sciences and techniques	JBO	32						
CW1	180	Conservation workshop 9			78					6	
CW1.1	0.8	Glasses	Glasses	CMA	64						
CW1.2	0.2	Security and safety, risk assessment	Security and safety : management, control, equipment	ALT	14						
CW2	180	Conservation workshop 10		T	128					6	
CW2		Metal and alloys	Metal and alloys Heat treatments of steel. Introduction to	VBO TSC	92 36						
CW4	180	Conservation workshop 12	mechanical cleaning.		120					6	
CW4 CW4	180	Approach of technical objects	Project management on technical objects conservation. Team working. Dismantling and cleaning treatments.	TSC/Binet	120					0	
CW3	180	Conservation workshop 11									6
CW3		Basics in cleaning of organic materials	Basics in cleaning of organic materials	CAL	112						
CW5	180	Conservation workshop 13	<u>.</u>	•	•						6
CW5		Disaster response		NDU, Kissel, von Lerber, Desplanches, etc.	128						
CW6	180	Bachelor thesis preparation									6
CW6		Bachelor thesis preparation		RBE, TJA, TSC, VBO	128						
CC2	360	Bachelor thesis									12
CC2		Bachelor thesis		RBE, TJA, TSC, VBO	9 weeks						

<sup>1</sup>SWH = Student Workin Hours, coef. = ponderation of the unit

 $^{2}1$  course hour = 60 minutes

<sup>3</sup>Option à choix selon orientation



