



POSTGRADUATE DIPLOMA IN TECHNICAL CONSERVATION STUDIES 130 credits

FIRST TRIMESTER

<p>OUTCOMES SUMMARY Introduction to Conservation Theory & Skills (10 credits) On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> understand the meaning of the stipulations outlined in the "Code of Ethics" sufficiently to instruct all actions as described in the document. have the required knowledge and understanding to enable them to correctly identify materials, deterioration and agents of deterioration through visual examination, spot tests and analysis in paper, ceramic, metal, stone and mortars. identify and understand the results of deterioration due to poor handling, unfavourable climatic conditions and the ageing process in general. have the required knowledge & understanding to enable students to correctly prescribe treatment in accordance with ethical norms for paper, ceramics, metal, stone and mortar. Be informed and compliant of health & safety requirements of tools and materials employed. 	Monday	Tuesday	Wednesday	Thursday	Friday
	<p>Conservation Theory & Skills Ceramics Conservation</p> <ul style="list-style-type: none"> Introduction to Conservation Theory & Skills Materials and material identification Documentation Lab health & safety(Notes & COSHH lecture) 	<p>Conservation Theory & Skills Ceramics Conservation</p> <ul style="list-style-type: none"> Damage Analysis, deterioration & Soiling Solvents and Solvency <p>Ceramics Conservation</p> <ul style="list-style-type: none"> Practical: <ul style="list-style-type: none"> Object identification by comparison Demonstration: <ul style="list-style-type: none"> Cleaning & Disassembly 	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Practicals: <ul style="list-style-type: none"> Investigation (am) Treatment Planning (am) Damage & Condition Analysis (am) Demonstration: <ul style="list-style-type: none"> Cleaning (pm) Baths & Poultices (pm) 	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Demonstration: Mechanical and chemical cleaning (am) Practical: <ul style="list-style-type: none"> Cleaning (pm) 	<p>Conservation Theory & Skills</p> <p>Code of Ethics</p> <ul style="list-style-type: none"> What is the code of ethics Why do we need ethics <p>Characterization of Material Substrate and Materials in association with them</p> <ul style="list-style-type: none"> Ceramics Paper Metals Stone <p>Ceramics Conservation</p> <ul style="list-style-type: none"> Demonstration: <ul style="list-style-type: none"> Consolidation (am) Dry run (am) Practicals: <ul style="list-style-type: none"> Consolidation (pm) Dry run (pm)
<p>Ceramics Conservation (8 credits) On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> have a firm understanding of the Code of Ethics and be able to perform all conservation interventions in accordance with this code. appropriate materials and methods for spot tests, analysis and treatment from a range of options. execute all treatment required to conserve the ceramic material without causing physical or aesthetic damage, or obscuring/removing historically significant information, on material substrate of suitable complexity. intelligibly document and record all findings and proposed treatment in order to produce an instructive and comprehensive, illustrated condition and treatment specification. Be informed and compliant of health & safety requirements of tools and materials employed. 	<p>Conservation Theory & Skills Ceramics Conservation</p> <ul style="list-style-type: none"> Polymers in Conservation Profiles and material replacement <p>Ceramics Conservation</p> <ul style="list-style-type: none"> Demonstration: Adhesion 	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Practical: Trial assembly of consolidated fragments (am) Practical continued (pm) 	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Practical Demonstration: Filling & Modelling (am) <p>Vocational Identity (evening session)</p>	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Demonstration: Mould Making & Casting 	<p>Conservation Theory & Skills Ceramics Conservation</p> <ul style="list-style-type: none"> Colour Theory Airbrushing & equipment <p>Ceramics Conservation</p> <ul style="list-style-type: none"> Demonstration: <ul style="list-style-type: none"> Airbrushing (pm) Practical:
	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Practicals: <ul style="list-style-type: none"> Airbrushing Completing of casting 	<p>Conservation Theory & Skills Ceramics Conservation (am)</p> <ul style="list-style-type: none"> Decorating Finishing Preventive Conservation <p>Ceramics Conservation</p> <ul style="list-style-type: none"> Demonstration: Decorating & Finishing (pm) Practical (pm) 	<p>Ceramics Conservation</p> <ul style="list-style-type: none"> Documentation (am) Assessment (am): Submit COSHH sheets & Lab notebook <p>Conservation Theory & Skills Paper Conservation (pm)</p> <ul style="list-style-type: none"> Investigative tools & techniques for specification Materials categorization Deterioration & soiling Humidification 	<p>Paper Conservation</p> <ul style="list-style-type: none"> Demonstration: Damage Analysis Practical: <ul style="list-style-type: none"> Investigation Treatment planning Documentation Photography 	<p>Paper Conservation</p> <ul style="list-style-type: none"> Lecture & Demonstration: Dry / surface cleaning Lecture & Demonstration: Humidification <p>Practical:</p> <ul style="list-style-type: none"> Dry / Surface Cleaning Humidification

WEEK 1

WEEK 2

WEEK 3

WEEK 4

	Monday	Tuesday	Wednesday	Thursday	Friday
<p>Paper Conservation (8 credits) On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> 1. have a firm understanding of the Code of Ethics and be able to perform all conservation interventions in accordance with this code. 2. investigate and analyse paper based material substrate in order to specify appropriate remedial treatment. 3. execute all treatment required to conserve the paper material substrate without causing physical or aesthetic damage, or obscuring/removing historically significant information, on an object of suitable complexity. 4. intelligibly document and record all findings and proposed treatment in order to produce an instructive and comprehensive, illustrated condition and treatment specification. 5. Be informed and compliant of health & safety requirements of tools and materials employed. 	<p>Conservation Theory & Skills</p> <ul style="list-style-type: none"> ➤ Assessment: Ceramics Conservation ➤ Assessment: Submit Treatment specification <p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Washing ➤ Deacidification ➤ Stain Removal Systems ➤ Resizing ➤ Reinforcement & Repair ➤ Drying & Flattening 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Washing ➤ Demonstration: Deacidification ➤ Practical: <ul style="list-style-type: none"> • Washing • Deacidification 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Chemical stain removal treatments <ul style="list-style-type: none"> • Oxidation • Reduction ➤ Practical: Chemical stain removal treatments <ul style="list-style-type: none"> • Oxidation • Reduction 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Resizing after chemical treatment ➤ Demonstration: Tear Repair and Reinforcement ➤ Practical: <ul style="list-style-type: none"> • Resizing • Tear Repair & Reinforcement 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Drying and flattening after aqueous treatment ➤ Practical: <ul style="list-style-type: none"> • Drying and Flattening ➤ Practical: <ul style="list-style-type: none"> • Tear Repair & Reinforcement
	<p>Conservation Theory & Skills</p> <p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Pressure Sensitive Tape Removals ➤ Auxiliary Backing Removal ➤ Retouching 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Pressure sensitive tape removal ➤ Demonstration: Auxiliary support removal ➤ Practical: <ul style="list-style-type: none"> • Pressure sensitive tape removal • Auxiliary support removal 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical: <ul style="list-style-type: none"> • Pressure sensitive tape removal • Auxiliary support removal 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Retouching ➤ Practical <ul style="list-style-type: none"> • Retouching 	<p>Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical: <ul style="list-style-type: none"> • Retouching ➤ Assessment (pm): Submit COSHH Sheets & Lab notebooks
<p>Metals Conservation (8 credits) On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> 1. have a firm understanding of the Code of Ethics and be able to perform all conservation interventions in accordance with this code. 2. select the appropriate materials and methods for spot tests, analysis and treatment from a range of options. 3. execute all treatment required to conserve the metal substrate without causing physical or aesthetic damage, or obscuring/removing historically significant information, on material substrate of suitable complexity. 4. intelligibly document and record all findings and proposed treatment in order to produce an instructive and comprehensive, illustrated condition and treatment specification. 5. Be informed and compliant of health & safety requirements of tools and materials employed. 	<p>Conservation Theory & Skills</p> <p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ What is Metal? ➤ Types & Prevention of Deterioration ➤ Investigative Tools & Techniques ➤ Health & Safety ➤ Cleaning Metals 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Object Description ➤ Demonstration & Practical 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Assessment: Paper Conservation ➤ Assessment: Submit treatment specification ➤ Condition Analysis ➤ Damage Analysis ➤ Demonstration & Practical: <ul style="list-style-type: none"> • Mechanical & Chemical Cleaning 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical Continued: <ul style="list-style-type: none"> • Mechanical & Chemical Cleaning 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Re-shaping (am) <ul style="list-style-type: none"> • Gas Torch • Annealing ➤ Practical (pm) <ul style="list-style-type: none"> • Re-shaping: Gas Torch & Annealing
	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical Identification ➤ Brief & Practical 1 		<p>Vocational Identity (evening session)</p>		
<p>Conservation Theory & Skills</p> <p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Heat & Metals ➤ Polymer & Non Metal Replacements ➤ Moulds & White Metal Casting ➤ Laboratory Contamination ➤ Health & Safety 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Replacement of Lost Material (am): <ul style="list-style-type: none"> • Mechanical • Welding ➤ Practical (pm) <ul style="list-style-type: none"> • Mechanical • Welding 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical (am) ➤ Practical (pm) 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Mould Making & White Metal Casting (am) ➤ Practical (pm) <ul style="list-style-type: none"> • Mould Making & White Metal Casting 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Polymer & Other Non-metal Repairs (am) ➤ Practical (pm) <ul style="list-style-type: none"> • Polymer & Other Non-metal Repairs 	

WEEK 5

WEEK 6

WEEK 7

WEEK 8

	Monday	Tuesday	Wednesday	Thursday	Friday
<p>Stone & Mortar Conservation (8 credits) On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> 1. have a firm understanding of the Code of Ethics and be able to perform all conservation interventions in accordance with this code. 2. select the appropriate materials and methods for spot tests, analysis and treatment from a range of options. 3. execute all treatment required to conserve the stone and mortar without causing physical or aesthetic damage, or obscuring/removing historically significant information on material substrate of suitable complexity. 4. intelligibly document and record all findings and proposed treatment in order to produce an instructive and comprehensive, illustrated condition and treatment specification. 5. Be informed and compliant of health & safety requirements of tools and materials employed. 	<p>Conservation Theory & Skills</p> <p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Patination & Waxing ➤ Lacquers ➤ Maintenance 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Demonstration: Patination, Waxing & Lacquers (am) 	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Documentation (am) ➤ Assessment (pm): Submit COSHH sheets and Lab notebook <p>Conservation Theory & Skills</p> <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Types & Prevention of Deterioration ➤ Investigative Tools & Techniques <p>Vocational Identity (evening session)</p>	<p>Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Patination, Plating, Polymer Fills, Lacquers & Waxing 	<p>Conservation Theory & Skills</p> <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Identification of stone, mortars, and associated finishes ➤ Identification of mortars and associated finishes ➤ Condition and damage of stone, mortars and associated finishes
<p>Vocational Identity (3 credits) On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> 1. perform all actions within the field with the understanding of the collective impression which the public and client retain of the conservation profession. 2. fulfil the obligations of public education in order to promote the benefits of heritage conservation. 3. fully appreciate the limitations as well as the scope of the actions of a conservator. 	<p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Practicals - Façade Mapping: <ul style="list-style-type: none"> • Materials Analysis • Condition Analysis • Damage Analysis 	<p>Conservation Theory & Skills</p> <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Types & Prevention of Deterioration <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Demonstrations & Practicals: <ul style="list-style-type: none"> • Poultrice & Chemical cleaning • Mechanical Cleaning – including air abrasion, pressure washing, steam cleaning, cutting, chisels & bolster hammers 	<p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Practicals Continued: <ul style="list-style-type: none"> • Mechanical Cleaning – including air abrasion, pressure washing, steam cleaning, cutting, chisels & bolster hammers ➤ Demonstration & Practicals: <ul style="list-style-type: none"> • Consolidation & Adhesion – which includes mechanical, mortar and polymer based 	<p>Conservation Theory & Skills</p> <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Cornice/String course profiles ➤ Making and working with mortars <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Demonstrations & Practicals: <ul style="list-style-type: none"> • Measuring and making profiles for mortar shaping ➤ Demonstration: Preparing lime putty and selecting aggregates. 	<p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Demonstrations: Making mortars and using profiles for stone cornice/string course replication ➤ Practicals: <ul style="list-style-type: none"> • Making profiles for stone cornice/string course replication continued • Using profiles for stone cornice/string course replication
	<p>Conservation Theory & Skills</p> <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Polymer filling for decorative stone. Finishing – textures & colour integration. <p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Demonstrations & Practicals: making suitable polymer fills 	<p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Demonstrations & Practicals: <ul style="list-style-type: none"> • Mould making with filler reinforced latex and shutter -board • Placing mortars in moulds 	<p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Practicals Continued (am) ➤ Demonstrations & Practicals: <ul style="list-style-type: none"> • Integration - Colour & Translucency <p>Vocational Identity (evening session)</p>	<p>Stone & Mortar Conservation</p> <ul style="list-style-type: none"> ➤ Practicals: <ul style="list-style-type: none"> • Integration - Colour & Translucency continued • Complete and visit site again ➤ Preventive conservation, maintenance, storage & handling. Finalization of summative assessment brief. ➤ Assessment (pm): Submit COSHH Sheets & Lab notebooks 	<p>NOTE:</p> <p>The module, “Identity of the Conservator” comprises five, Wed evening sessions, during the 1st trimester (supplemented by five such sessions during the 2nd trimester).</p>

WEEK 9

WEEK 10

WEEK 11

SECOND TRIMESTER

	Monday	Tuesday	Wednesday	Thursday	Friday
<p>Software Orientation</p> <p>On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> employ the software package to generate comprehensive reports, essays and assignments which record all discourses, including findings and treatment performed during conservation processes. exhibit the necessary skill to arrange the information in tables, graphs and diagrams to elucidate information which is ordered, logically sequenced and easy to interpret . produce an aesthetically pleasing and appropriately printed and bound reports, essays and discourses. 		<p>Conservation Theory & Skills</p> <p>➤ Conservation Theory & Skills - Final Test</p>	<p>➤ Assessment: Submit treatment specification (Stone & Mortar)</p> <p>Heritage Legislation</p> <ul style="list-style-type: none"> Heritage law in Jurisprudence UNESCO Conventions: The Efficacy of International and National Legal Instruments: A Regional Perspective (AFRICA) 	<p>Heritage Legislation</p> <ul style="list-style-type: none"> The National Heritage Resources Act (1999) The Capacitation of Legal Intent Critical assessment of RSA Heritage Protection Announcement of Assignment (Essay) 	<p>Software Orientation</p> <ul style="list-style-type: none"> Demonstration & Practicals: <ul style="list-style-type: none"> Create documents Add template elements Indexes, Reference & Contents lists Formatting Printing Scanning Annotation Visual elements
<p>Heritage Legislation (4 credits)</p> <p>On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> apply a critical understanding of the role of international and national instruments in shaping regional and national heritage legislation and policies of sound commercial practices. identify weaknesses and gaps in the application of a legislative approach to heritage conservation. affect a more holistic approach towards cultural heritage protection and its advancement. 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Introduction: Lecture (am) <ul style="list-style-type: none"> Material groups , Instruments & Purpose Demonstration (pm) <ul style="list-style-type: none"> Mixtures & Solutions 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Introduction: Lecture (am) <ul style="list-style-type: none"> Chemical Equations & Molar Concentrations Demonstration (pm) <ul style="list-style-type: none"> Preparing Solutions 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture (am) <ul style="list-style-type: none"> Atoms & Bonding Demonstration & Practical (pm) <ul style="list-style-type: none"> Physical & Chemical Characteristics 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture (am) <ul style="list-style-type: none"> Chemical Names Demonstration & Practical (pm) <ul style="list-style-type: none"> Organic & Inorganic – Demonstration 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture (am) <ul style="list-style-type: none"> Dirt: Types & Mechanisms of Contamination Lecture (pm) <ul style="list-style-type: none"> Deterioration & Patina
<p>Commercial Practices (4 credits)</p> <p>On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> implement decisions based on the foundation of sound commercial practices. identify and critically evaluate those managerial and commercial considerations that may influence and/or impact the scope of actions a conservator may want to take in a given situation. 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture (am) <ul style="list-style-type: none"> Cleaning with liquids; working with solutions Demonstration & Practical (pm) <ul style="list-style-type: none"> Practical application 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture (am) <ul style="list-style-type: none"> Organic solvents & water Lecture (pm) <ul style="list-style-type: none"> Reagents & Detergents 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture & Practical (am) <ul style="list-style-type: none"> Chemical Cleaning Reactions Lecture & Practical (pm) <ul style="list-style-type: none"> Clearance <p>Vocational Identity (evening session)</p>	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture & Practical (am) <ul style="list-style-type: none"> Polymers Lecture & Practical (pm) <ul style="list-style-type: none"> Physical Characteristics 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture & Practical (am) <ul style="list-style-type: none"> Introduction to Adhesives, Coatings & Consolidants Practical (pm)
<p>Chemistry for Conservation (10 credits)</p> <p>On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> understand the supporting chemistry and science of the treatments and materials employed in conservation. determine the causes of deterioration & risk exposure to heritage materials. be compliant with all health and safety regulations. 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture & Practical (am) <ul style="list-style-type: none"> Adhesion, Strength & Stiffness Demonstration & Practical (pm) 	<p>Chemistry for Conservators</p> <ul style="list-style-type: none"> Lecture & Practical (am) <ul style="list-style-type: none"> Chemistry & Deterioration of Historic Adhesives, Coatings & Consolidants Practical (pm) 	<p>Commercial Practices</p> <ul style="list-style-type: none"> Introduction: Why Commercial Practice? The Economic Environment Economic Growth (GDP) 	<p>Commercial Practices</p> <ul style="list-style-type: none"> Introduction: Managerial Economics Introduction: Managerial Finance Financial Statements Introduction Marketing & Communication 	<p>Commercial Practices</p> <ul style="list-style-type: none"> Marketing Risk Management Functions of Management The Importance of Effective Administration Total recap of module: Putting it all into integrated perspective Final Summative Assessment: Case study (3 Evening sessions)

WEEK 12

WEEK 13

WEEK 14

WEEK 15

	Monday	Tuesday	Wednesday	Thursday	Friday
<p>Conservation in the Built Environment - Advanced (16 credits)</p> <p>On completion of this module, a student should be able to:</p> <ol style="list-style-type: none"> perform ethically sound conservation and restoration on stone, metal, ceramics and timber in the built environment as specified in the treatment proposal. understand and maintain all health and safety regulations. maintain tools and equipment. co-operate with team members and supervisory staff to ensure fulfilment of the treatment specification within the given time frame. provide instructive feedback for routine maintenance and inspection procedures. keep accurate records according to ethical prescriptions. 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Introduction to Building Components <ul style="list-style-type: none"> Stone Metal Timber Building Surveys 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Lecture <ul style="list-style-type: none"> HABS Site work & specification execution Tools & equip maintenance Housekeeping Health & Safety 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Demo & Practical <ul style="list-style-type: none"> Scaffolding Demo & Practical <ul style="list-style-type: none"> Tools & Equipment 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Practical <ul style="list-style-type: none"> High pressure washers & Vortex cleaning Practical <ul style="list-style-type: none"> Record keeping Implication of records on building surveys. 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Lecture & Demo <ul style="list-style-type: none"> Removal of Old Materials & Disassembly; Stone, Iron & Timber Practical <ul style="list-style-type: none"> Chemical cleaning on buildings
	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Lecture <ul style="list-style-type: none"> Introduction to Lime 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Demo & Practical <ul style="list-style-type: none"> Working with lime 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Practical <ul style="list-style-type: none"> Drawing & cutting profiles 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Practical <ul style="list-style-type: none"> Spirit levels & Plumb lines 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Practical <ul style="list-style-type: none"> Plastic replication of cornices
	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Practical <ul style="list-style-type: none"> Fine modelling 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Demo & Practical <ul style="list-style-type: none"> Finishing on lime surfaces 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Demo & Practical <ul style="list-style-type: none"> Pointing & Tuck pointing on masonry & stone 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Demo & Practical <ul style="list-style-type: none"> Treating Ferrous & Non-Ferrous Materials 	<p>Conservation in the Built Environment</p> <ul style="list-style-type: none"> Demo & Practical <ul style="list-style-type: none"> Treating Timber

WEEK 16

WEEK 17

WEEK 18

	Monday	Tuesday	Wednesday	Thursday	Friday					
	Conservation in the Built Environment > FIELD EXCURSION	Conservation in the Built Environment > FIELD EXCURSION	Conservation in the Built Environment > FIELD EXCURSION Vocational Identity (evening session)	Conservation in the Built Environment > FIELD EXCURSION	Conservation in the Built Environment > FIELD EXCURSION					
Advanced Metals Conservation (16 credits) On completion of this module, a student should be able to: <ol style="list-style-type: none"> execute advanced remedial treatment procedures required to conserve metal objects without causing physical or aesthetic damage, or obscuring/removing historically significant information be able to devise comprehensive conservation, both interventive and preventive, solutions employing critical thinking. produce an instructive and comprehensive, illustrated condition and treatment report. be compliant with all health and safety procedures. 	Conservation in the Built Environment > Report review > Final lecture	Advanced Paper Conservation > Lecture <ul style="list-style-type: none"> Mending tears > Demonstration	Advanced Metals Conservation > Lecture <ul style="list-style-type: none"> Casting Wax templates & other patterns Sand, Investment & Other 	Advanced Paper Conservation > Practical <ul style="list-style-type: none"> Mending tears 	Advanced Metals Conservation > Practical <ul style="list-style-type: none"> Wax templates & other patterns Moulds & Investment > Demonstration & Practical <ul style="list-style-type: none"> Burn-out Casting into sand moulds & other 	Advanced Paper Conservation > Lecture & Demo <ul style="list-style-type: none"> Infilling of missing material (shaped fills) > Practical <ul style="list-style-type: none"> Infilling (shaped fills) 	Advanced Metals Conservation > Demonstration & Practical <ul style="list-style-type: none"> Casting into investment moulds after burn-out Finishing 	Advanced Paper Conservation > Practical <ul style="list-style-type: none"> Infilling (shaped fills) 	Advanced Metals Conservation > Lecture & Demonstration & Practical <ul style="list-style-type: none"> Shaping and forming by hammer work Repoussé, Chasing & Engraving > Lecture & Demonstration <ul style="list-style-type: none"> Hot work Brazing, soldering & welding 	
Advanced Paper Conservation (16 credits) On completion of this module, a student should be able to: <ol style="list-style-type: none"> execute advanced remedial treatment procedures required to conserve a paper object without causing physical or aesthetic damage, or obscuring/removing historically significant information, on an object of suitable complexity. be able to devise comprehensive conservation, both interventive and preventive, solutions employing critical thinking. produce an instructive and comprehensive, illustrated condition and treatment report. be compliant with all health and safety procedures. 	Advanced Paper Conservation > Lecture & Demo <ul style="list-style-type: none"> Infilling of missing material (wet pulp fills) > Practical <ul style="list-style-type: none"> Infilling of missing material (wet pulp fills) 	Advanced Metals Conservation > Practical <ul style="list-style-type: none"> Shaping and forming by hammer work Repoussé, Chasing & Engraving > Practical <ul style="list-style-type: none"> Hot work Brazing, soldering & welding 	Advanced Paper Conservation > Lecture & Demo <ul style="list-style-type: none"> Adhesive paste preparation Lining 	Advanced Metals Conservation > Lecture & Demonstration <ul style="list-style-type: none"> Electroplating Electro-Forming 	Advanced Paper Conservation > Practical <ul style="list-style-type: none"> Lining > Demo <ul style="list-style-type: none"> Splitting paper 	Advanced Metals Conservation > Practical <ul style="list-style-type: none"> Electroplating Electro-Forming 	Advanced Paper Conservation > Practical <ul style="list-style-type: none"> Water sensitive media & medium stabilization 	Advanced Metals Conservation > Lecture & Demonstration <ul style="list-style-type: none"> Polymer repairs Resins & Putties 	Advanced Paper Conservation > Practical <ul style="list-style-type: none"> Medium stabilization 	Advanced Metals Conservation > Practical <ul style="list-style-type: none"> Resins & polymer putty repairs
			Vocational Identity (evening session)							

WEEK 19

WEEK 20

WEEK 21

	Monday	Tuesday	Wednesday	Thursday	Friday				
<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Lecture & Demo <ul style="list-style-type: none"> • Rigid aqueous gel and its preparation method ➤ Practical <ul style="list-style-type: none"> • Gel prep & Surface cleaning 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Lecture & Demonstration <ul style="list-style-type: none"> • Mechanical repairs & part replication • Lathes • Hand tools & equipment 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Demo & Practical <ul style="list-style-type: none"> • Removal of auxiliary supports and chemical stabilization employing rigid aqueous gels 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Mechanical repairs & part replication • Hand tools & equipment 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Rigid aqueous gels 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Lathing 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Lecture & Demo <ul style="list-style-type: none"> • Hinge, tape & adhesive removal 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Lecture, Demonstration & Practical <ul style="list-style-type: none"> • Hot & cold patination methods 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Hinge, tape & adhesive removal 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Lecture, Demonstration & Practical <ul style="list-style-type: none"> • Hot & cold waxing methods
<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project
<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Practical <ul style="list-style-type: none"> • Project 	<p>Advanced Paper Conservation</p> <ul style="list-style-type: none"> ➤ Report review ➤ Final lecture 	<p>Advanced Metals Conservation</p> <ul style="list-style-type: none"> ➤ Review of Treatment Reports ➤ Final lecture 	<p>2nd Trimester Notes:</p> <ul style="list-style-type: none"> • During this trimester, the student will select TWO of the three practical conservation modules offered, in order to pursue these at Advanced Level. The module, <i>Conservation in the Built Environment</i> is compulsory. Either <i>Paper Conservation</i> or <i>Metals Conservation</i> will accordingly be eliminated. • Subject - "Identity of the Conservator" comprises 5 X Wednesday evening sessions, during the second trimester (in addition to 5 such sessions during the 1st trimester). • Each student will need to submit the following to the Programme Coordinator in writing before the end of the second trimester: <ul style="list-style-type: none"> ◦ A short description of the area of interest for his/her research, describing how and why the student has come to it. ◦ One or more research questions, along with a brief comment on the process of refining these questions. 					

WEEK 22

WEEK 23

WEEK 24

THIRD TRIMESTER

	Monday	Tuesday	Wednesday	Thursday	Friday		
<p>Research Project (35 credits) On completion of this project, a student should be able to:</p> <ol style="list-style-type: none"> 1. identify a research issue 2. plan a research scheme to address the issue which has been identified 3. draw convincing and appropriate conclusions 4. locate relevant reference material which has been selected from a variety of sources 5. record and interpret information and ideas 6. assess reference material critically 7. record the research investigation, results and conclusions clearly and concisely 8. accurately account the ethics, analysis and interpretation, condition, treatment procedures, health and safety procedures, decision making processes, environmental requirements, storage and handling requirements where applicable. 9. answer questions about the research project in the presence of the supervisors with the following additional criteria regarding this session 10. defend the choice of the research scheme which has been used to address an issue 11. provide answers to questions about the research indicates that the student has the ability to generate information and ideas by research, including ideas about ways to learn more effectively 12. answer questions in a way which indicates that the student understands the relevance of the subject in the context of a wider field of knowledge 13. defend decisions which were made regarding ethical matters 	<p>Chemistry Final Test (am)</p>	<p>SELF DIRECTED LEARNING Research Project: Refine and prepare research title – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment. Academic Writing Skills - lecture</p>				<p>WEEK 25</p>	
	<p>SELF DIRECTED LEARNING Research Project: Refine and prepare research title – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment.</p>					<p>Last day for registration of research titles</p>	<p>WEEK 26</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment. Finalization of reports, assignments and essays.</p>						<p>WEEK 27</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment. Finalization of reports, assignments and essays.</p>					<p>Latest submission date for Reports, Assignments & Essays</p>	<p>WEEK 28</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment. Prepare for oral and debate.</p>			<p>➤ Code of Ethics oral defence</p>	<p>➤ Identity of the Conservator – Debate</p>		<p>WEEK 29</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment.</p>						<p>WEEK 30</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment.</p>						<p>WEEK 31</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment.</p>						<p>WEEK 32</p>
	<p>SELF DIRECTED LEARNING Research Project: Conduct and report on research – Laboratories will be made available for practical work. Tutorials with supervisors and programme co-ordinator to be arranged by appointment.</p>					<p>Last day for final submission of MINOR DISSERTATION</p>	<p>WEEK 33</p>
	<p>Following submission of the dissertations, the Programme Coordinator will convene the examiners and the student, providing opportunity to each student to offer defence of their research project in the presence of the supervisors.</p> <p>Graduation</p>						