Course Specifications of:

Artifacts Restoration

Program(s) on which the course is given: M. Sc - Maintenance and Restoration

Compulsory or Elective element of program: Elective

Department offering the program: Architecture

Academic year / Level: Master of science year 2013 / 2012

Date of specification approval: 23-1-2012

1. Basic Information

Title: Artifacts Restoration Code: Arc 630

Credit Hours: 3 Lecture: 3 Practical:

Semester work: 120 Final Exam:90 Practical:90 Total: 300

1. Professional Information

1- Overall aims of course:

By the end of the course the student will be able to

* Provide study which will be informed by, the forefront of the academic elements of Maintenance and Restoration.
* Analyze the philosophy of Artifacts Restoration.
* Analyze the types of Artifacts Restoration projects.
* Evaluate the project Artifacts Restoration.

2- Intended learning outcomes of course (ILOs):

1. **Knowledge and understanding**

2.1.6 Define the basics and the ethics of scientific research

1. **Intellectual skills**

2.2.2 Solve problems in spite of the lack of some data.

2.2.3 Link different knowledge sources to solve problems.

2.2.6 Plan the management of projects, organization and works, liaison with occupiers, owners and others, records and maintenance for performance development

 **c- Professional and practical skills**

2.3.1 apply basic professional and modern skills in the area of artifacts restoration.

* + 1. Write and evaluate professional reports .

 **d- General and transferable skills**

2.4.6 Work in a group and Lead a team in familiar professional contexts

2.4.7 Manage time effectively.

2.4.8 Conduct self-learning and continuous education practices.

3- Contents

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| Topic No. | Topic | No. of weeks | Total no. of hours |
| 1 | Introduction | 1 | 3 |
| 2 | Introduction | 1 | 3 |
| 3 | Basis and principals of artifacts restoration of building element | 1 | 3 |
| 4 | Basis and principals of artifacts restoration of building element | 1 | 3 |
| 5 | Basis and principals of artifacts restoration of building element | 1 | 3 |
| 6 | Basis and principals of artifacts restoration of building element | 1 | 3 |
| 7 | Materials and methods of application | 1 | 3 |
| 8 | Midterm exam | 1 | 3 |
| 9 | Materials and methods of application | 1 | 3 |
| 10 | Case study | 1 | 3 |
| 11 | Case study | 1 | 3 |
| 12 | Project follow up  | 1 | 3 |
| 13 | Project follow up  | 1 | 3 |
| 14 | Project follow up  | 1 | 3 |
| 15 | Submission and discussions  | 1 | 3 |
| 16 | Final exam | 1 | 3 |
|  TOTAL | 16 | 45 |

4- Course Matrix

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| ILO’s code number | Teaching/learning methods and strategies | Assessment methods and strategies |
| 2.1.6  |

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| Acquisition of core knowledge and understanding is achieved mainly through lectures, seminars, reading, project work and independent study cases |

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| Assessment will be through individual coursework assignments, oral arranged discussions about particular issues and criticism of design research. In addition to given final examinations.  |

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| 2.2.2 / 2.2.3 / 2.2.6  |

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| Analysis and problem solving skills are developed through tutorials, and projects’ design discussions  |

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| Design and research skills are assessed through student proposals for creative design concepts reflecting particular visionary creative ideas, and provide objec  |

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| 2.3.1 / 2.3.2 |

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| Projects demonstrations, practical work, practical based projects in selected particular sites, and visits for site analysis.  |

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| Practical skills are assessed through projects prepared concept designs and individual coursework assignments |

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| 2.4.6 / 2.4.7 / 2.4.8  |

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| Presentations of projects as well as seminars  |

 | Project presentation |

5- Assessment schedule

Assessment 1 Assignments on week’s 7-9-11-14

Assessment 2 Midterm exam on week 8

Assessment 3 Oral exam on week 15

Assessment 4 Final exam on week 16

6- Weighting of assessments

30% Home assignments

10% Midterm exam

30% Oral examination

30% Final-term examination

100% Total

7- List of References

 S. Vepřek, J. Patscheider, J. Elmer, Restoration and conservation of ancient artifacts: A new area of application of plasma chemistry, Kluwer Academic Publishers-Plenum Publishers , 1985.

 I. Michiels[†](http://www.sciencedirect.com/science/article/pii/S0730725X9900096X#AFF2), M. Verhoye[†](http://www.sciencedirect.com/science/article/pii/S0730725X9900096X#AFF2), J. Van Audekerke[†](http://www.sciencedirect.com/science/article/pii/S0730725X9900096X#AFF2),A. Van der Linden[†](http://www.sciencedirect.com/science/article/pii/S0730725X9900096X#AFF2), D. Van Dyck, Magnetic Resonance Imaging , 1999.

 - W.A. Thanoon, Lee Wah Peng and Mohd Salit: The Essential Characteristics of Industrialized Building System,-International Conference on Industrialized Building Systems, Kuala Lumpur, Malaysia,10-11 September, 2003.

8- Facilities required for teaching and learning

Lecture room equipped with overhead projector

Presentation board, computer and data show

Course coordinator: **Prof.Dr. Khaled Abd El Hady.**

Course instructor: **Prof.Dr. Khaled Abd El Hady.**

Date 23 / 1 / 2012