Course Specifications of:

**Omamental and Architectural Details in Heritage Buildings**

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

Compulsory or Elective element of program:Elective

Department offering the program: Architecture

Academic year / Level: year/ 2012-2013

Date of specification approval:June 2012

1. Basic Information
2. Title:Materials and Techniques of Heritage Crafts Code: Arc 535
3. Credit Hours: 3 Lecture:1 practical 2
4. Semester work:120 Final Exam:90 Practical:90 Total:300
5. Professional Information

1- Overall aims of course:

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

* provide a scientific, technical and commercial understanding of maintenance and restoration issues and practice.
* recognize of the nature of maintenance and restoration through the integration of knowledge from history of architecture and conservation
* enhance conservation techniques and restoration practice in the local context, through the development of new skills at a high level.

2- Intended learning outcomes of course (ILOs):

1. **Knowledge and understanding**

2.1.1 Identify theories, fundamentals and specialized knowledge in Maintenance and restoration and categorize sciences related to professional practice.

2.1.2 Describe the two way impact of the relationship between professional practice and its effect on the environment.

1. **Intellectual skills**

2.2.4 Conduct a research study and/or write a scientific essay about a research problem..

1. **Professional and practical skills**

2.3.2 Write and evaluate professional reports for Building Maintenance and Restoration

1. **General and transferable skills**

2.4.2 Use information technology in order to serve the development of professional practice.

2.4.3 Assess him/her self and identify his/her own personal learning needs.

3- Contents

|  |  |  |  |
| --- | --- | --- | --- |
| Topic No. | Topic | No. of weeks | Total no. of hours |
| 1 | Introduction to define Heritage buildings | 1 | 3 |
| 2 | Architectural styles in history | 1 | 3 |
| 3 | evolution of ornaments in different architectural styles | 1 | 3 |
| 4 | Forms and composition of ornaments according to used materials | 1 | 3 |
| 5 | Typical Details For Historic Buildings | 1 | 3 |
| 6 | Typical Details For Conservation Areas | 1 | 3 |
| 7 | Materials used in Heritage buildings | 1 | 3 |
| 8 | Midterm exam | 1 | 3 |
| 9 | Inventory of buildings of architectural and historical importance | 3 | 9 |
| 10 | Guidance on Alterations to historic buildings | 2 | 6 |
| 11 | Neotraditional Architecture and New Urbanism | 1 | 3 |
| 12 | The effects of Heritage buildings products on the urban design of the Heritage cities | 1 | 3 |
| 13 | Final exam | 1 | 3 |
| TOTAL | | 16 | 48 |

4- Course Matrix

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| --- | --- | --- |
| ILO’s code number | Teaching/learning methods and strategies | Assessment methods and strategies |
| 2.1.1 – 2.1.2 | * Acquisition of core knowledge and understanding is achieved mainly through lectures, seminars, tutorials, directed reading, project work and independent study. | Assessment will be through individual coursework assignments, quizzes, oral discussions and reports. In addition final written examinations are given. The grades distribution system is shown in the curriculum table below. |
| 2.2.4 | * Analysis and problem‐solving skills are developed through tutorial/problem sheets and small group exercises. * Research skills are developed through the research project. | Design and research skills are assessed through project write-ups, coursework and project reports. |
| 2.3.2 | * Experiments demonstrations, and practical work. | Practical skills are assessed through, coursework exercises and reports, project reports and presentations |
| 2.4.2 – 2.4.3 | * Presentations in seminars (compulsory to be attended by a panel of departmental staff and other students). * Attendance of workshops | general skills are assessed through   * preparing free hand sketches & designs, * report writing project based on research presentations |

5-Assessment schedule

Assessment 1 Assignmentson weeks 9-14

Assessment 2 Quizzes on week 7

Assessment 3 MidtermExamon week 8

Assessment 4 Oral exam on week 15

Assessment 5 Final exam on week 16

6- Weighting of assessments

30% Home assignments

10% Quizzes& midterm exam

30% Oral examination

30% Final-term examination

100% Total

7- List of References

* Cathedral Communications Ltd *The Building Conservation Directory*, published annually
* **www.buildingconservation.com**
* Essex Planning Officers Association 1997 *The Essex Design Guide for residential and mixed*
* *use areas*, Essex County Council (revised edition 2005).
* Fawcett, J. 1998 *Historic floors: their history and conservation*, Oxford: Butterworth-Heinemann.
* Hall, L. 2005 *Period house fixtures and fittings 1300-1900*, Newbury: Countryside Books.

8- Facilities required for teaching and learning

Lecture room equipped with overhead projector

Presentation board, computer and data show

Course coordinator:**professor dr./ Khaled Abdelhady**

Course instructor: **professor dr./Khaled Abdelhady**

Date 24 / 11 / 2013