

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生態智慧建築設計技術	Serial No. / ID	2273 / DAR5072
Dept.	設計暨藝術學院碩士班	School System / Class	研究所碩士班1年1班
Lecturer	卓銀永	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)678 / G111	Language	Chinese

Introduction
<p>The course is in response to the importance of the preservation and the repair to the historic heritages in the future in Taiwan. In order to catch up with Western and Japanese repairing concept and technique, we need to learn more superior technologies and ideas to save and preserve the historic heritages in Taiwan. The course is suitable for students who are interested in the preservation and the repair to the historic heritages. The curriculum will cover the cultural and asset law, the investigation into the historic heritages, the disintegration and repair methods for the historic architecture, the material application, the supervision of the construction sites, the construction plans, the project contract, and the technology design and management. According to the said concepts and the instant construction site visiting, interaction and experience as practical trainings, it makes students understand the main methods to preserve and repair the historic heritages, as well as develop the conscious, interest and enthusiasm of the preservation and repair of the historic heritages. The course aims to enhance the enthusiasm about and interest in the preservation and repair of the historic heritages and enlighten the students with professional knowledge for future career developments. Course Objectives 1. To make students understand the technologies of repairing historic heritages, and those must realize t</p>

he clear concepts and the basic technologies. 2. To make students understand the special methods and techniques for preserving historic heritages. 3. To make students learn more technical knowledge about the preservation and repair of historic heritages. 4. To enhance students' self technologies and capabilities and how to practice well in the industry.

Outline

1. Introduction 2. Morality of cultural preservation and repair; introduction of cultural heritage preservation law 3. Contents, principles, overview and problems in cultural preservation and repair 4. Investigation and measurement at construction site 5. Disintegration and cleaning plan 6. Content and Process of investigated disintegration 7. Introduction of detection and measurement technique for foundation, masonry, RC and other structural damages 8. Detection and realization in wood material and species 9. Termite, pest control, anti-corrosion technique 10. Emergency preservation for large wooden structure 11. Field trip or discussion of outline of final report 12. Repairing technique of large and small wood 13. Repairing technique of damaged tile roof 14. Repairing technique of bricks, wood, paints, and arts; Examining and repairing damages of sculptures 15. Fire protecting plan in historic heritages 16. Introduction and establishment of construction and work report 17. Final report or final exam 18. Final report or final exam

Prerequisite

unlimited