101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	基礎運輸工具設計(一)	Serial No. / ID	1273 / IDV2023
Dept.	工業設計學系	School System / Class	四技部2年1班
Lecturer	王重仁	Full or Part-time	兼任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(四)9AB / G410	Language	Chinese

Introduction

The training is introducing fundamentals of automotive design in combination with theoretical, managerial and marketing aspects.

Subject areas

- Design und Business
- Design tools
- Presentation techniques
- Ergonomics/ construction/ physical vehicle dynamics
- Materials
- CAD/CAS automotive

Subject areas in detail

- Design und Business

Market observation, prediction methods, methods of canalized information

- Design tools

Project semantic chart, transformation into images of appearance in material, image board

- Ergonomy/ construction/ physical vehicle dynamics

Basic layout and understanding, Platform, Package, Power train, Suspension types and others.

- Presentation techniques

2D/ 3D renderings, tape drawing, presentation methods.

- Modeling technique

Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates

· Finish/ Presentation
Surface control, reproduction possibilities of clay models, paint finish, presentation

Outline

Design und Business:Market observation, prediction methods, methods of canalized information
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Design tools:Project semantic chart, transformation into images of appearance in material, image board
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Ergonomy/ construction/ physical vehicle dynamics:Basic layout and understanding, Platform, Package, Power train, Suspension types and others.
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Presentation techniques:2D/ 3D sketching and renderings, presentation by boards.
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Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates
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Final presentation
Very Final presentation

Prerequisite

Students are required to understand technical “ packages ” and have a brief
Introduction on the basic procedure of transportation design.