

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	田口式品質工程	Serial No. / ID	2076 / NGN1080
Dept.	工業工程與管理學系碩士在職	School System / Class	碩士在職專班1年1班
Lecturer	壽豐榮	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(六)567 / H541	Language	Chinese

Introduction
Quality engineering was provided by G. Taguchi. It is also called off-line quality control and is one of the important tools to improve product quality. Students can understand the application of quality loss function, theory of orthogonal array, parameter design, tolerance design, data analysis. Then they can finished the master thesis through the technique and promote their compatibility when they get into the working field.

Outline
<ol style="list-style-type: none">1. Introduction2. Simple factorial experiments3. Orthogonal arrays4. Quality loss function5. Principles of quality engineering6. Parameter design7. Analysis of ordered categorical data8. Tolerance design9. Dynamic problems10. Implementation of quality engineering

Prerequisite
Basis statistics