SCHOOL OF ENGINEERING  
DEPARTMENT OF PRODUCT DESIGN ENGINEERING  
ACADEMIC PROGRAM

SUBJECT: CONCEPTUAL DESIGN  
CODE: ID0230  
INTENSITY: 2 WEEKLY HOURS  
MODALITY: LECTURES  
CHARACTERISTIC: PROFICIENCY TEST NOT VALID  
PRE-REQUISITES: NONE  
CO-REQUISITES: NONE  
CREDITS: 2

OBJECTIVE
Systematic generation within the application of methods and design tools such as functional analysis, morphologic matrix and product architecture, concept design of technical artifacts that generates a possible solution to a determined design problem or situation that is specified on a requirement list.

CONTENT
1. Introduction to the design of technical systems.
2. Functional analysis of technical systems
3. Methods and tools of conceptual design.

EVALUATION
Workshops 30%
2 Midterms 20% each
Final Project 30%

BIBLIOGRAPHY
- CROSS, N. Métodos de Diseño. Editorial Limusa, 1999
- VDI 2222, Design Engineering. Methodics Conceptioning of Industrial Products.
- KOLLER, R. Metodología de Diseño, Método AP Universidad Técnica Federico Santamaría,