

COURSE CONTENT

Course Code	DR3005
Course Title	Product Design IV
Pre-requisites	DR3006 Product Design III
No of AUs	3
Contact Hours	39 hours studio contact

Course Aims

In this advanced level course, you will investigate physical and digital devices, products, systems and environments and how technological advances allow for integration and embedding of technology. You will design for spatial environments and sustainable outcomes. This course will enhance your proficiency for designing devices, products, systems and environments and prepare you for a higher level of application in product design in year 4.

Intended Learning Outcomes (ILO)

By the end of the course, you should be able to:

1. Describe a range of product / industrial design, spatial and sustainable design methods used in the design of product concepts.
2. Generate and refine design concepts from idea to execution through various physical and/or digital media.
3. Apply product / industrial design, spatial and sustainable design methods to realize design projects based on various themes.
4. Present your design projects in a clear and cohesive manner through visual presentations and virtual/ physical models.
5. Constructively discuss and critique aspects of product / industrial design, spatial and sustainable design methods and presentation techniques employed in your own work and the work of your peers.

Course Content

Design for Spatial Environments

You will be introduced to the design process for spatial environmental designs with reference to scale, on site interaction, site environmental factors, structural & construction design, and drawing conventions for spatial environments.

Design for Sustainability

You will be introduced to the concept of Design for Sustainability as a whole system approach that considers the overall impacts of designs.

Tangible topics in systems thinking, biomimicry, renewable & natural materials, and dematerialization will be covered.

Design project

You will apply product/ industrial design, spatial and sustainable design methods to realize design projects based on various themes.