

COURSE CONTENT

Course Code	DR3007
Course Title	Studies in Form
Pre-requisites	DR2005 Computer-Aided Design I
No of AUs	3
Contact Hours	39 hours studio contact

Course Aims

This intermediate level course introduces you to the concepts of schema and empirical methodologies in visualization, exploration and development of visual form. It is integrated as a practice-based learning experience that develops your imaginative and formative ability to allow you to create forms based on the application of learnt aspects of the visual language. You are expected to generate object form utilizing their 3D digital skillset and production tools. The design process will develop and hone your understanding of the visual impact of form as a result of transformation and manipulation.

Intended Learning Outcomes (ILO)

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

1. Identify and discuss various aspects of abstract and symbolic form and its generative origins from schema and empirical methodologies.
2. Generate, develop and refine object form from inception to execution through various physical and/or digital media.
3. Apply product/ industrial design, interaction design and 3-dimensional modelling and digital production methods to realize assigned projects based on various themes.
4. Present your design process and object forms in a clear and cohesive manner through visual presentations and virtual/physical objects.
5. Constructively discuss and critique various facets of design process and design methods and presentation techniques employed in your own work and the work of your peers.

Course Content

This course introduces you to the development of forms through the understanding of the visual language involving schemas, observations, metaphors, intention and meaning. Through lectures and projects, you will explore the process in developing visual form while learning techniques to facilitate the conceptualization and production of their projects. You will develop projects through deductive and observed starting points, follow the process through the digital medium to its delivery using the facilities of the rapid-prototyping workshop and 3D printing technologies.