

Course no	Course code	Corse title	Credit	Core/Elective	Term
1	INDD 101	Clay Modelling	3, 5	Core	Fall
2	INDD 121	Introduction to Design	3, 5	Core	Fall
3	INDD 124	Maquette and Prototype	3, 5	Core	Spring
4/5	INDD 251	Creativity Techniques	3, 5	Elective	Fall/Spring
4/5	INDD 491	Trend Analysis and Brand	3, 5	Elective	Fall/Spring
4/5	INDD 452	Organization of Space	3, 5	Elective	Fall/Spring
4/5	INDD 472	Portfolio Design	3, 5	Elective	Spring
4/5	INDD 333	Sustainability in Design	3, 5	Elective	Fall/Spring

**In order to complete the Industrial Design Concentration Program, FDE students should take 5 courses in total- 3 core courses (Courses 1, 2 and 3) and 2 elective courses (from courses 4/5).**

## **CORE COURSES**

### **INDD 101 Clay Modelling**

Prerequisite: No

Credit: (2+2+0) 3

Teaches the concept of three dimension by using clay modelling techniques.

### **INDD 121 Introduction to Design**

Prerequisite: No

Credit: (2+0+0) 2

This course will introduces the student the fundamental concepts, processes and skills required in the field of Industrial design. Focuses on the knowledge necessary in the designing processes and projects as well as the factors that affects the product design such as; functions, environment, user, material and analysis of the inter-relations within the context of an industrial product. The theoretical structure of the course is supplied with applied studies as well.

### **INDD 124 Maquette and Prototyping**

Prerequisite: No

Credit: (2+2+0) 3

Aim is, examining the concept of three dimensional modelling. Scale, three-dimensional studies will be used to test or presentation methods, techniques and material definition. To take advantage of product design and manufacturing stages, each stage of the trial operation of the model. Model types. Virtual and real modeling techniques. Designed for transmission of the third dimension of objects construction techniques, materials and construction methods, teaching information and coloring.

## **ELECTIVE COURSES**

### **INDD 251 Creativity Techniques**

Prerequisite: No

Credit: (3+0+0) 3

Several approaches of creativity would be reviewed and then evaluated. The goal of the lecture is to learn and use creativity methods which are suitable for designers. The concept of creativity would be introduced. It would be discussed how designers are trying to keep their creativity alive while they are trying to deal with real situations and wicked problems. It would be also tested how free creativity would help designers deal with real problems they are working. Some exercises would be held for design students. This lecture introduces the important components of creativity, help design students understand the place of creativity process in design activities.

### **INDD 333 Sustainability in Design**

Prerequisite: No

Credit: (3+0+0) 3

The general intend of this course is to explore the concepts of green and sustainable design, features and benefits from an interdisciplinary, critical and philosophical perspective. Through lectures, readings and discussions students will learn the concepts of sustainability, ecology and sustainable design from interdisciplinary perspective and create awareness among students about the role of sustainability in design and development process. Students will obtain knowledge about enviromental impacts related to product, sustainable use of energy and material sources throughout the design process and how to design a new product with the lowest enviromental footprint.

### **INDD 452 Organization of Space**

Prerequisite: No

Credit: (3+0+0) 3

### **INDD 472 Portfolio Design**

Prerequisite: No

Credit: (3+0+0) 3

The process that starts with the learning of the necessary software continues with the design of the portfolios, which include individual identity design and projects, respectively. In the next step, the portfolios are transferred to digital media and presentation is aimed with multimedia support. At the end of the course, students will have the ability to develop all kinds of projects in print and digital media.

### **INDD 491 Trend Analysis and Brand**

Prerequisite: No

Credit: (3+0+0) 3

Study of techniques and processes of identifying socio-cultural indicators, past and present trends, and methods for determining future trends in design and related industries. Brand management is a fundamental element of competitive strategy. This course is intended for those interested in learning how brands are managed as strategic assets. Communication skills are developed through assignments, in-class activities, lecture/discussion, guest-speaker presentations and a trend forecasting project.