

## Elective Courses for Semester 2/2023

(26 December, 2023)

### **ARC 358 Design for Sustainable Tourism Development**

**3(2-2-6)**

The course will emphasize on the idea and concept of sustainable development that supports tourism industry as well as concerns of environmental awareness. The course will cover the definition and concept of sustainable development, suitability study of factors related and the exploration of planning and/or design that is suitable for tourism development in valuable socio-environmental area. The course will mainly study from the real case

### **ARC 432 Computational Design and Digital Fabrication**

**3(3-0-6)**

The course aims to introduce the concepts and applications of computation in architecture and design. It aims to provide the basic skills to build and control parametric models, analysis tools and introduction to the basic machine operation of the fabrication tools such as laser cutter, CNC and rapid prototyping and how it may relate to the contemporary architectural discourses in the form of design tools and interactive presentations.

**Remark: Only 3<sup>rd</sup> year Architectural students are required to register this course to support studio class**

### **⇒ ARC 436 Architectural Conservation: An introduction**

**3(1-4-6)**

An introduction to the concepts of conservation and their applications on ways in which peoples manage their built environments. Examples are drawn from Europe and Thailand. This course comprises three sections. The first of which is concerned with the development of rationales behind conservation practices in Europe and other regions around the world: the essence of the international conservation charters (UNESCO) and their weaknesses. The second section introduces students to conservation process including documentation and techniques used in building conservation. The last section discusses the idea of area conservation and the subsequent controversy over decision to conserve. The study is conducted with lectures, group discussions, and individual case study.

### **ARC 453 STS: The Story of House Design in Contemporary Issue** 3 (3-0-6)

House is one of the fundamental elements for living. Design knowledge plays a significant role in shaping people for a better quality of life. This lecture-based class would focus on the various topics that contribute to understanding movement and development in contemporary house design issues. The subject would be divided into three major groups of topic

1. Past Concept: the case studies from various projects had major significant movement in house design concept
2. Present Design Movement: situation and topic that has a direct impact on the new proposal of house design such as Aging Society, Energy Plus Design, Sustainable Design
3. Future trend: the discussion on future direction in residential design solution such as A Modular House Design by Muji brand, Micro-living trend, ADU (Accessory Dwelling Unit or Plug-in House)

### **INA 317 Introduction to Painting** 3(1-4-6)

Study includes the basic color and brush manipulations and terminology, the use of glazes, varnishes, media, building and stretching canvases, preparation of alternative supports. The objectives of this class is to encourage the development of a personal creative sensibility and analytic abilities through critiques and discussions, increase visual literacy and the capacity to evaluate and describe works of art, demonstrate and develop variety of space and color relationships and produce work employing various compositional strategies.

### **INA 352 Lighting Design** 3(2-2-6)

This class introduces design considerations and processes, tools and techniques for creating quality lighting of major interior applications. These include retail, working environment, hospitality and museum & gallery lighting. It also gives an overview of current building codes and standards as well as an appropriate use of lighting equipment and control systems to ensure both lighting quality and sustainability. The class is delivered through lectures, hands-on experiments and field-trips. And the students will have an opportunity to apply the theoretical knowledge on design projects, using various tools for presentation and evaluation of the design concepts.

**INA 454 STS: Fundamentals of Stage Design and Scenography** **3 (2-2-6)**

An introduction to the fundamental practices of stage design and spatial composition including the history, theories and basic principles of stagecraft; the interpretation of written text into 3-dimensional space, technical aspects and equipment in scenographic design as well as an introduction to costume design. The course provides a basic methodology in approaching a stage design project, via series of lecture, analytical thinking and collective discussion.

**IND 232 Craft Product Design** **3(2-2-6)**

Principles of handicraft and industrial craft design. Aesthetics, values, design and making processes of handicrafts. Exploration of materials and techniques.

**IND 256 Special Topic Study: Jewelry and Small Metalsmiths Design** **3(1-4-6)**

This class is suitable for Participants who would like to learn jewelry making from basic to advance. The Participants will learn many techniques and getting the special exercises of jewelry making to develop your skill and creative concept in your own way. Participants work in copper, brass, sterling silver.

**IND 257 Special Topic Study: Leather Design Appreciation** **3(1-4-6)**

Introduction to materials by types, functions, look and feel, and the usage. Learning by doing of craft and hand make leather, by using different of tools, stitch type, and finishing. Finally will learn and Design leather products by creating the final and complete the project from start to finish the production process.

**IND 339 Photography** **3(2-2-6)**

Students can deliver photography work that communicates narratives and their concepts. They can implement aesthetic principles and technical principles relating to photography in their photography projects.

**DIP 351 Special Topic Study: Design and Heritage** **3(3-0-6)**

This course will encourage the student to learn:

- Heritage's meanings, theory, tangible and intangible forms of heritage in international contexts.
- Relationship between heritage, design history and political/socio-cultural changes.
- Role of design in constructing objects, spaces, sites and experiences related to heritage (that enhance, preserve heritage for example).

**DIP 353 Independent Study I****3(3-0-6)**

Study and exploration on a special study topic of the faculty's and the students' mutual interest.

**CMD 214 Corporate Identity and Brand Strategy****3(2-2-6)**

Design for corporate and brand identity. Historical and social contexts of branding. Role of design in the formation and functions of identities and brands.

**CMD 361 Special Topic Study: Introduction to 3D Visualization****3(1-4-6)**

Introductory course into 3D Visualization by learning the principle of space and form through 3D computer graphics

**CMD 362 Special Topic Study: Introduction to Risograph Printing****3(1-4-6)**

This course builds on the Fundamentals of Risograph printing by introducing through the history, movement and the design and production process step by step. Learning through using design principles to effectively apply to the printing process.

**CMD 363 Special Topic Study: Lighting Art Installation****3(1-4-6)**

This comprehensive course delves into the dynamic realm of Light Art Installation, fostering a deep exploration of theoretical concepts and practical application. Embracing both historical foundations and cutting-edge technologies, students will embark on a journey to understand, create, and critique light-based artworks.