

**Elective Courses for Semester 2/2019
(December 27, 2019)**

ARC 353 Creative Community and City

3(3-0-6)

An introduction to new terms of global competition which revolve around a nation's (community's) ability to mobilize, attract, and retain human talent by building creative community and city. Case studies of contemporary solutions to critical issues of crime, health, traffic, environmental degradation, and economic vitality around the world are reviewed. Relationship of Architecture as well as urban space design and creative urban development is suggested.

ARC 451 Special Topic Study: Supporting Skills for Architects and Designers

3(2-2-6)

Students will learn additional skills that they can apply to support in their architectural and design works. The course contains knowledge modules that not have in normal required courses but they are useful in supporting students' works such as digital knowledge, model making, specific professional English etc. Students can individually select their interested knowledge modules that they can apply for their studies or works on architectural and design.

Remark: Please study guideline to select the topic you interest and check the schedule details from this link: <http://mysoad.arch.kmutt.ac.th/Courseware/SSC>

ARC 452 Special Topic Study: Revit

3(2-2-6)

Technology and innovation have rapidly changed the way we work. Our current skillset and toolset will be outdated within a decade. Do we have enough essential knowledge to thrive in the future of the professional world?

Preparing you for your career in architectural business and entrepreneurship, we will be exploring advanced Revit modeling techniques and other technologies in architecture. Training yourself to acquire early entrepreneurial mindset will help accelerate your future career development.

We will also learn about the art of negotiation and cognitive biases in architectural work from real case studies. This class is great for those who are enthusiastic in businesses and seek for opportunities beyond the architecture realm. An intermediate level of Revit knowledge is required.

ARC 453 Special Topic Study: Urban Resilience: From Concept to Event

Management in Practice

3(2-2-6)

The aim of this class is to understand the concept of Urban Resilience and be able to decode the idea in to practice, specifically for the public event, “Designing Resilience in Asia 2020”. Students will practice from conceptualize, communicate the ideas, and to manage the ideas into practical event. The course will emphasize in group works, discussion among team is encouraged.

ARC 455 Computer in Architectural Design

3(1-4-6)

The use of computer in architectural design, exhibition, communication and searching of various methodologies that could be applied in the design process by emphasizing in the creation of architectural space.

ARC 461 Building Materials and Construction IV

3 (2-2-6)

To study the principles in making the architectural detailing documents and detailing schedule of various building types. Preparation of the architectural accessories and presentation technique.

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 454 STS: Physical Model Making for Architectural Study and Presentation**3(1-4-6)**

This course aims to introduce students various techniques of architectural representation through physical model making, along with the appropriate models for each design phase.

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 256 Special Topic Study: Service Design 3(2-2-6)

This service design course is about designing total experience of customers/people in commercial or non-commercial projects that required strategies to attract, engage, and enhance the interaction satisfaction between service providers and customers. Systematic approach to creative thinking methods and tools will be used to identify the relationship among activities, infrastructure, and product or communication channels for designing pleasant service experience.

IND 337 Textile Product Design 3(2-2-6)

Basic knowledge and application of textiles and fibers. Characteristics and properties. Surface treatment and decoration. Printed textiles design. Three dimensional construction product using textile materials and techniques. Basic textile assembly techniques. Design briefs in textiles design projects. Trend and target groups understanding for textile product design.

IND 431 Behavioral Analysis and Design 2(2-2-6)

Human perceptual, cognitive and behavioral reactions. Human interactions with machines, product and environments. Application to design.

IND 435 Product Form and Surface 3(2-2-6)

Prerequisite: none

Form and surface design for industrial design. Principles of surface design work flow. Relevant tools, techniques and computer software. Application to design.

CMD 364 Web Design**3(2-2-6)**

This course introduces students to the web design and development lifecycle. The course focuses on theory, tools, techniques and standard in the design phase including layout design, interface design, components of web e.g. typography, color, media, contents, etc. It also covers the standards and trend in modern web design such as responsive web design (RWD) and other modern concepts in web design. The practical exercises cover the usage of tools and techniques in design a web including the implementation of design into a real web site using a current available instant web implementation tools.

CMD 365 Web Development for Designers**3(1-4-6)**

This course introduces students to development concepts, processes, standards, tools, and techniques that use to create a modern web site. The course includes practical exercises on creating web pages using modern concepts, tools, and techniques.