UNIVERSITY of NICOSIA

Course Syllabus

Course Code	Course Title	ECTS Credits
INT-211	Materials for Interiors II	6
Prerequisites	**Department**	**Semester**
INT-112	Architecture	Fall
Type of Course	**Field**	**Language of Instruction**
Required	Interior Design	English
Level of Course	**Lecturer(s)**	**Year of Study**
1st Cycle	Ioannou Kazamia Kika	2nd
Mode of Delivery	**Work Placement**	**Corequisites**
Face to face	N/A	INT-201

Course Objectives:

The main objectives of the course are to:

- Perform workshop classes, involving hands-on, empirical, experimentation with different materials and forming processes (casting, assembling, converting, mixing, fracturing etc.)
- Examine and experiment with types of structural form: solid, membrane, hybrid, skeletal, surface etc.
- Experiment with materials that can be combined to form composite elements
- Experiment with materials that can be manipulated to obtain different physical qualities (stronger, more porous, less brittle etc.)
- Introduce students to product and material selections, specifications and bidding processes.
- Utilize and apply products sources, costs and life-cycle costs, sustainability, energy-efficiency and recycling.
- Compare and utilize furnishings, fixtures, and equipment drawings, specifications, and installation.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Demonstrate knowledge of a wide range of forming techniques (and obtain technical competency in some of these techniques)
2. Show competence on the manipulation, and application of materials

3. Differentiate between materials that are suitable to be used a skin and those that can be used as mass
4. Illustrate practical skills with combining materials to create new composites
5. Illustrate practical skills with combining materials to change their properties
6. Compose and combine materials within making processes for models or installations.
7. Compose and formulate own material's production.
8. Apply products and materials according to specifications.
9. Propose choice of materials that are critical for interiors.
10. Demonstrate understanding on furnishings, fixtures, and equipment drawings, specifications, and installation.

Course Content:

- Introduction to module: The importance of the materials and finishes in the interior design practice.
- Masonry: Rough stone; Concrete block; Tile; Brick, Cut stone
- Wood: Hardwood; Softwood; Plywood; Veneer; Laminated wood
- Metals: Steel; Stainless-steel; Aluminioum; Copper; Bronze
- Synthetics: Glass; Plastics
- Coatings and Finishes: Paint; Lacquer; Varnish; Plating; Plastic coatings
- Sheet and Soft Tiling: Cork; Rubber; Linoleum; Vinyl; Leather
- Sustainable: New; Recycled; and Reclaimed Materials
- Hybrids Miscellaneous and Smart: Woven fibers; Leather; Paper; Piezoelectric; Shape – memory alloys and polymers; Chromatic; Luminescent
- Appropriation and specifications of products and materials selection
- Involvement and compliance with codes, life safety and human needs
- Floor materials specification and their importance to health and safety

Learning Activities and Teaching Methods:

Lectures, Studio presentations and tutorials, Assignments, Projects, Workshops and Side visits.

Assessment Methods:

Assignments, Presentations, Diagrams, Models, Sketchbook, Project, Mid-Term, Final Project.

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Inside Prefab: The Ready-Made Interior	Schneiderman, Deborah	Princeton Architectural Press	2012	*E-book available Click here

Recommended Textbooks / Readings:

Title	Authors	Publisher	Year	ISBN
Materials, Form and Architecture	Richard Weston	Laurence King Publishers	2003	13: 978-0300095791
Smart Materials and Technologies	Michelle Addington, Daniel Schodek	Architectural Press	2005.	0 7506 6225 5
Structure & Architecture	Andrew Charleson	Routledge,	2006	1136361391
Components and Systems: Modular Construction - Design, Structure, New Technologies	Staib, Gerald	Birkhauser	2008	3764386568