INT224 - MATERIAL APPLICATIONS

Course Title	**MATERIAL APPLICATIONS**				
Course Code	**INT224**				
Course Type	**Required**				
Level	**Bachelor**				
Year / Semester	2nd Year / 4th Semester				
Teacher's Name	Dr Anna Merry / Constantinos Kounnis / Delis Papadopoullos				
ECTS	5	Lectures / week	2	Laboratories / week	0
Course Purpose and Objectives	The course aims to: • Make students aware of various materials used in interior design applications. • Introduce physical and qualitative properties of materials as well as the processes involved in their application. • Demonstrate material resources within the market. • Revise previous projects (architectural drawings) based on materials application. • Incorporate skills and techniques derived from drawing and studio art courses into the application of materials in architectural drawings.				
Learning Outcomes	Students should be able to: • Recognise various materials (wood, metal, masonry, glass, concrete, synthetics, plastic, textiles etc.) • Historically examine each material category and analysis of the technical development and application in contemporary design. • Identify professional workshops and showrooms • Reconstruct architectural drawings of an Interior Design project dependant on materials application. • Incorporate skills and techniques into the application of materials in architectural drawings.				
Prerequisites	INT211	Required	Yes		

Course Content	The course introduces students to the physical properties and qualities of various materials used in the design industry. With the help of illustrated material lectures, students will acquire basic knowledge on their application in interior spaces. The development of selection criteria based on multiple factors such as aesthetics, performance and environmental issues, is also an important part of the course. Additionally, visits to commercial spaces and hands-on involvement with real materials, will familiarize students with the different materials and their qualities, their advantages and disadvantages, as well as treatments they need, so as to be able to make their choices on applications.
Teaching Methodology	• Extended project briefings • Visualising skills workshops • Demonstrations and discussions on critical parts of the subject • Exercises • Illustrated lectures • Group critiques • Student centred practical work • Personal research, realization and manipulation in project work
Bibliography	1. Ballard Bell, V. (2006). *Materials for Design*. Princeton Architectural Press, New York. 2. Deplazes, A. (2008). *Constructing Architecture: Materials, Processes, Structures*. Birkhauser, Basel. 3. Lefteri, C. (2001). *Materials for Inspirational Design*. RotoVision, Hove, UK. 4. McMorrough, J. (2006). *Materials, Structures and Standards*. Rockport Publishers, New York. 5. Plunkett, D. (2010). *Construction and Detailing for Interior Design*. Laurence King, London. 6. Ternaux, E. (2011). *Material World 3: Innovative Materials for Architecture and Design*. Frame Publishers, Amsterdam. 7. Weston, R. (2003). *Materials, Form and Architecture*. Laurence King Publishing, London Dependent on the subject choice of the individual, a reading and reference list will be compiled individually to suit the students needs and requirements. Visual contemporary references in the form of magazines are required: Domus, Wallpaper, Ottagono, Mark, Icon, Frame, Interni, References should also include websites with suggestions of: www.**worldarchitecturenews**.com www.**designboom**.com www.**arcspace**.com Visual contemporary references in the form of online magazines www.dezeen.com, www.yatzer.com, www.dexigner.com, www.mocoloco.com
Assessment	• Interim Critique 33%

	• Final Critique 33% • Final Assessment 34% Total: 100% Note: The assessment criteria for Interim/Final Critiques and the Final Assessment are: Design Intelligence 40%, Research and Methodology 20%, Experimentation and Analysis 20%, Time management and Presentation 20%
Language	English