| Basic course data | |
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| **Academic unit:** | **Faculty of Architecture, Design and Wood Technology** |
| **Program:** | **Interior Architecture and Furniture Design** |
| **Course title:** | **Colors, Lighting and Acoustics in Interior** |
| **level:** | **Bachelor** |
| **Course status:** | **Mandatory** |
| **Year of studies:** | **III** |
| **Number of hours per week:** | **3** |
| **Value on credit - ECTS:** | **5** |
| **Subject teacher:** | |
| **Contact details:** | |
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| **Course description:** | This course will introduce students to the basic knowledge about colors, lighting and acoustics in Interior Design. |
| **Course objectives:** | The aim of this course is to provide students with basic knowledge about the types and use of colors in interior design, lighting and technical requirements related to the lighting of residential and commercial buildings and the design of interior design spaces using acoustic materials. |
| **Expected learning outcomes:** | By the end of this course, students will be able to:<br>• Using of colors depending on the interior design space.<br>• Have knowledge and know how to use acoustic materials in their projects.<br>• Know the main feature of artificial lighting and the calculation of lighting in their interior design projects. |
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| **Contribution to student workload corresponding to student learning outcomes** | | | |
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| **Activity** | **Hours/Day** | **Week** | **Total** |
| Lectures | 2 | 15 | 30 |
| Theoretical / laboratory exercises | | | |
| Practical work | 2 | 15 | 30 |
| Contacts with the teacher / consultations | 1 | 1 | 1 |
| Field exercises | 1 | 1 | 1 |

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| Test | | | |
| Homework | | | |
| Student's own study time (in the library or at home) | 4 | 15 | 60 |
| Final preparation for the exam | 1 | 3 | 3 |
| Time spent on assessment (final exam) | | | |
| Projects, presentations, etc. | 1 | 2 | 2 |
| **Total** | | | **127** |

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| **Teaching methodology:** | Lectures through drawings, presentations, exercises, assignments, case studies, projects and discussions. |
| **Evaluation method:** | Class attendance: 10%, Weekly assignments: 40%,<br>Final exam: 50%,<br>Total: 100% |
| **Literature** | |
| **Basic literature:** | 1.Lighting for Interior Design by Malcom Innes, August 8, 2012<br>2. Architectural Acoustics Illustrated by Michael Ermann, January 20, 2015.<br>3.Understanding Color: An Introduction for Designers, January 5, 2011. |
| **Additional literature:** | 1. Lighting Designs Basics by Mark Karlen and Christina Spangler, 2004.<br>2. Master Handbook of Acoustics by F.Alton Everest and Ken Pohlmann, December 8, 2014.<br>3. Color in Interior Design by John Pile, April 22,1997. |

| **Designed lesson plan:** | |
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| **Week** | **The lecture that will take place** |
| **First week:** | **Basic knowledge about Colors** |
| **Second week:** | **The psychology of colors** |
| **Week third:** | **Color systems** |
| **Week four:** | **Color schematic** |
| **Week fifth:** | **Colors in interior spaces** |
| **Week sixth:** | **Working methods** |
| **Week seven:** | **Basic knowledge of lighting** |
| **Week eight:** | **Daylighting** |

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| **Week ninth:** | **Artificial lighting** |
| **Week ten:** | **Calculation of lighting in Interior Spaces** |
| **Week eleven:** | **Introduction to acoustics** |
| **Week twelve:** | **Materials and acoustics** |
| **Week thirteen:** | **Acoustics materials for walls and ceilings** |
| **Week fourteen:** | **Acoustics materials on the floor** |
| **Week fifteen:** | **Acoustic in Interior Design projects** |
| **Academic policies and etiquette:** | |
| Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory. | |