

Caraterização da Unidade Curricular / Characterisation of the Curricular Unit

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| Designação da Unidade Curricular / Curricular Unit: | [3181200881] Processos de Criação e Experimentação Tecnológica | | |
| | [3181200881] Processes of Creation and Technological Experimentation | | |
| Plano / Plan: | 2017/2018 | | |
| Curso / Course: | Ensino de Educação Visual e Tecnológica no Ensino Básico | | |
| Grau / Diploma: | Mestre | | |
| Departamento / Department: | CA - Comunicação e Arte | | |
| Unidade Orgânica / Organic Unit: | Escola Superior de Educação de Viseu | | |
| Área Científica / Scientific Area: | Área de docência - Educação Visual | | |
| Ano Curricular / Curricular Year: | 2 | | |
| Período / Term: | S1 | | |
| ECTS: | 3 | | |
| Horas de Trabalho / Work Hours: | 0081:00 | | |
| Horas de Contacto/Contact Hours: | | | |
| (T) Teóricas/Theoretical: | 0000:00 | (TC) Trabalho de Campo/Fieldwork: | 0000:00 |
| (TP) Teórico-Práticas/Theoretical-Practical: | 0037:50 | (OT) Orientação Tutorial/Tutorial Orientation: | 0000:00 |
| (P) Práticas/Practical: | 0000:00 | (E) Estágio/Internship: | 0000:00 |
| (PL) Práticas Laboratoriais/Practical Labs: | 0000:00 | (O) Outras/Others: | 0000:00 |
| (S) Seminário/Seminar: | 0000:00 | | |

Docente Responsável / Responsible Teaching

[2261] Ana Sofia Lopes Figueiredo

Outros Docentes / Other Teaching

[2261] Ana Sofia Lopes Figueiredo

Learning Outcomes of the Curricular Unit

Analyzing, confronting and questioning conceptions and practices in the creation of artistic and technological objects;

Demonstrate analytical skills in reading moving images and their interaction;

Exploring, in an appropriate way, the expressiveness and plasticity of technological mechanisms and objects;

Develop design essays and technological practices of expression and visual communication;

Reveal curiosity in the acquisition of relevant information capable of expanding skills in the creation of artistic and technological objects, mechanisms, and in the creation and transformation of materials;

Build and plan situations and contexts whose reading, through technique and theme, are expressive and complex, using any of the analyzed processes and/or innovative and original processes;

Create expressive experimental objects and/or mechanisms, using techniques of transformation and creation of materials explored in the curricular unit or others resulting from specific research.

Learning Outcomes of the Curricular Unit (Lim:1000)

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Bibliografia / Bibliography (Lim:1000)

- Brown, H. T. (2005). *507 Mechanical Movements: Mechanisms and Devices* . Nova Iorque: Dover Publications.
- Conner, A., Coles-Dobay, D., Emery, L., & Laudenslager, J. (2013). *INTERNATIONAL COLLECTION OF ESSAYS ABOUT KINETIC ART* , Vol. 1. Kinetic Art Organization.
- Jorgensen, L., Holm, M., Colstrup, T., Degel, K., & Huston, J. (Eds) (2016). *Eye Attack: Op Art and Kinetic Art 1950¿ 1970*. Humlebæk: Louisiana Museum of Modern Art.
- Roberts, D. (2010). *Making Things Move DIY Mechanisms for Inventors, Hobbyists, and Artists* . Nova Iorque: McGraw-Hill Education.
- Scott, J. (2014). *The Language of Mixed-Media Sculpture* . Ramsbury: Crowood Press.
- Uicker, J., Pennock, G., & Shigley, J. (2010). *Theory of Machines and Mechanisms* . Oxford: Oxford University Press.
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