

POLI ESCOLA SUPERIOR TECNOLOGIA GESTÃO TÉCNICO GUARDA	SUBJECT DESCRIPTION	MODELO PED.013.03
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Course	Equipment Design					
Subject	Furniture workshop					
Academic year	2023-2024	Curricular year	3rd	Study period	1st semester	
Type of subject	Compulsory	Student workload (H)	Total: 140	Contact: 60	ECTS	5
Professor(s)	Paulo Costa					
<input checked="" type="checkbox"/> Area/Group Coordinator <input type="checkbox"/> Head of Department	(select)	José Reinas dos Santos André				

PLANNED SUBJECT DESCRIPTION

1. LEARNING OBJECTIVES

It is intended that students acquire theoretical and practical concepts of building objects using wood as a material. Assembly processes using only wood will be taught in a first stage, followed by the execution of projects. At the end of the semester students will have an overview of manufacturing processes and manuals on the construction project defined objects.

2. PROGRAMME

- 1 Health and Safety Fundamentals at work.
- 2- Study of workshop resources (benches, hand tools, machines).
- 3- Cuttings, collages and strings provide in woods, using various tools for carpentry work.
- 4- Design and construction of small objects in wood using joinery techniques.
- 5- Execution of an individual/collective project.

3. COHERENCE BETWEEN PROGRAMME AND OBJECTIVES

The main objective of learning the construction of objects in wood is to then carry out a project, so the syllabus reflects this purpose.

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4. MAIN BIBLIOGRAPHY

1. Catalogues from suppliers of material and tools; machinery manuals.
2. James , Simon (2014). Working Wood 3 the Cabinet Maker's Workshop: An Artisan Course with Simon James, Artisan Media
3. Rae, Andy (2001). The Complete Illustrated Guide to Furniture & Cabinet Construction. The Taunton Press
4. Flexner, Bob (2010). Understanding Wood Finishing HC (FC Edition): How to Select and Apply the Right Finish (American Woodworker). Fox Chapel Publishing
5. Noll, Terrie (2009). Joint Book: The Complete Guide to Wood Joinery. Chartwell Books Inc.
6. Rodway, Simon; Engel, Andy (2010). Woodwork: A StepbyStep Photographic Guide to Successful Woodworking. DK Publishing

5. TEACHING METHODOLOGIES (INCLUDING EVALUATION)

The teaching methodology consists of theoretical presentations on how to use the tools for the various manufacturing processes of wooden objects. In addition to lectures, practical demonstrations will be held on how to work the wood, followed by experimentation by the students at the work bench. After learning the basic building processes the students perform a defined project. This subject will be evaluated as follows in this course:

- 1- Knowledge (20%)
- 2- Practical skills (60%)
- 3- Attitude and values (20%).

6. COHERENCE BETWEEN TEACHING METHODOLOGIES AND OBJECTIVES

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The whole process of learning takes place in a workshop environment where students have access to the work process with wood, enhancing the end result of the project.

By proposal of the curricular unit professor to the C.T.C of the E.S.T.G. it is proposed not to take the exam period, exhausting the possibility of evaluation on the last day of classes with the delivery of the work. Student workers will have the possibility of taking the regular and recourse exams.

7. ATTENDANCE

No special rule.

8. CONTACTS AND OFFICE HOURS

Gab. 3; pccosta@ipg.pt; contact hours – Wednesday 9-10.30

DATE

28 de Setembro de 2023

SIGNATURES


Professor(s), Area/Group Coordinator or Head of Department signatures

Professor



(signature)

Assinatura na qualidade de (clicar)



(signature)