

# LAPD 2017/2018

**Master in Informatics and Computing Engineering**  
**Markup Languages and Document Processing**  
**Instance: 2017/2018**

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## Markup Languages and Document Processing (Linguagens de Anotação e Processamento de Documentos)

This course aims at obtaining markup languages for a given domain and implementing applications based on markup languages and associated technologies.

### General Information

- Course Unit: [Fact sheet](#) (Ficha da UC)
- Contents: [Provisional](#) (Plano) | [Summaries](#) (Sumários)
- SIGARRA: [English](#) | [Português](#) | [Students](#) | [Photos](#) | [Classes](#) | [Schedule](#) | [Lectures \(B115\)](#)
- Coordinators: [João Correia Lopes](#)

### Assessment Details

- Practical work: [By-laws](#) (Regulamento) | [Groups](#) (Grupos) | [Proposals](#) (Temas)
- Uploads & forums: [Moodle](#)
- Project Deliveries: [D1 Materials](#) | [D2 Materials](#) | [D3 Materials](#) | [Participation](#) | [Grades](#)
- Quizzes: [Quiz#1](#) | [Quiz#2](#) | [Quiz#3](#) | [Quiz#4](#) | [Quiz#5 \(Topics\)](#) | [Grades](#)
- Student: [Project grades](#) | [Final grades](#)

### Course Materials

- Classes: [Lectures](#) (Teórico-práticas) | [More materials](#)
- Portals: [XML @ W3C](#) | [XML standards @ W3C](#) | [XML @ O'Reilly](#)

### Plan

Week	Day	Topics (Monday 13:30, B115)	Milestones	Materials
1	05/02/2018	Presentation. The XML meta-language. Data modelling.	Milestone #1: Practical work and group formation.	<a href="#">[Class]</a>

Week	Day	Topics (Monday 13:30, B115)	Milestones	Materials
2	12/02/2018	<i>National Holiday</i>		[Break]
3	19/02/2018	XML storage using native databases.	Milestone #1: Study of the project domain.	[Class]
4	26/02/2018	XML storage using Object-relational databases.	Milestone #1: Project proposal.	[Class]
5	05/03/2018	The standard interfaces DOM and SAX. XML document navigation using XPath.	Milestone #1: Project proposal. <b>Quiz #1: XML storage.</b>	[Class]
6	12/03/2018	<b>Delivery and Presentation #1: Project proposal.</b>		[Schedule]
7	19/03/2018	XML querying using XQuery.	Milestone #2: Architecture and Prototype. <b>Quiz #2: Xpath.</b>	[Class]
8	26/03/2018	<i>Easter Holidays.</i>		[Break]
9	02/04/2018	<i>Easter Holidays.</i>		[Break]
10	09/04/2018	Document processing with XSLT.	Milestone #2: Architecture and Prototype. <b>Quiz #3: Xquery.</b>	[Class]
11	16/04/2018	XSL application example. Document presentation with XSL-FO & PDF.	Milestone #2: Architecture and Prototype. <b>Quiz #4: XSLT.</b>	[Class]
12	23/04/2018	<b>Delivery and Presentation #2: Architecture and Prototype.</b>		[Schedule]
13	30/04/2018	Semantic Web. RDF. RDF Schema.	Milestone #3: Application	[Class]
14	07/05/2018	<i>Queima das Fitas.</i>		[Break]
15	14/05/2018	Vocabularies. Linked Data.	Milestone #3: Application. <b>Quiz #5: RDF.</b>	[Class]
16	21/05/2018	OWL. Querying with SPARQL.	Milestone #3: Application.	[Class]
17	28/05/2018	<b>Delivery and Presentation #3: Application.</b>		[Schedule]

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