

LAPD 2017/2018

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

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](#)

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.	[Class]
2	12/02/2018	<i>National Holiday</i>		<i>[Break]</i>

Week	Day	Topics (Monday 13:30, B115)	Milestones	Materials
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. Quiz #1: XML storage.	[Class]
6	12/03/2018	Delivery and Presentation #1: Project proposal.		[Schedule]
7	19/03/2018	XML querying using XQuery.	Milestone #2: Architecture and Prototype. Quiz #2: Xpath.	[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. Quiz #3: Xquery.	[Class]
11	16/04/2018	XSL application example. Document presentation with XSL-FO & PDF.	Milestone #2: Architecture and Prototype. Quiz #4: XSLT.	[Class]
12	23/04/2018	Delivery and Presentation #2: Architecture and Prototype.		[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. Quiz #5: RDF.	[Class]
16	21/05/2018	OWL. Querying with SPARQL.	Milestone #3: Application.	[Class]
17	28/05/2018	Delivery and Presentation #3: Application.		[Schedule]

Recent changes

L: [21/05/2018](#) 21/05/2018 11:44 Correia Lopes

[Grades for Quizzes](#) 24/05/2018 16:16 Correia Lopes

— J. Correia Lopes

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