

# Provisional content

## Master in Informatics and Computing Engineering Database and Web Applications Laboratory Instance: 2018/2019

Week	Date w.	Lecture (B001)	Practical	Assessment
1	11/02/2019	Introduction to Course. Project presentation. Actors and user stories. <a href="#">[Class]</a>	Working groups and project themes. Project presentation (A1). <a href="#">[Class]</a>	—
2	18/02/2019	Web Interaction Design. <a href="#">[Class]</a>	Actors and User stories (A2). <a href="#">[Class]</a>	<b>A1</b>
3	25/02/2019	Basics of Visual Design. <a href="#">[Class]</a>	User Interfaces Design (A3). <a href="#">[Class]</a>	<b>A2</b>
4	04/03/2019	Conceptual Data Model. Database specification. Relational Schema. Relational Schema validation. <a href="#">[Class]</a>	Implementation of the user interfaces (A3). <a href="#">[Class]</a>	—
5	11/03/2019	Database tuning. Physical Schema. Indexes. PostgreSQL. <a href="#">[Class]</a>	Conceptual Data Model (A4). <a href="#">[Class]</a>	<b>A3</b>
6	18/03/2019	Integrity and security. Triggers. Transactions. User-defined functions. <a href="#">[Class]</a>	Relational Schema, validation and schema refinement (A5). <a href="#">[Class]</a>	<b>A4</b>
7	25/03/2019	Web applications: history, architectural models and server-side web technologies. <a href="#">[Class]</a>	Integrity constraints. Indexes, triggers and user functions. Database with data (A6). <a href="#">[Class]</a>	<b>A5</b>
8	01/04/2019	Frameworks Web. Laravel. <a href="#">[Class]</a>	High-level architecture. Privileges. Web resources specification (A7). <a href="#">[Class]</a>	—
9	08/04/2019	Information Retrieval. <a href="#">[Class]</a>	High-level architecture. Privileges. Web resources specification (A7). Vertical prototype (A8). <a href="#">[Class]</a>	<b>A6</b>
10	15/04/2019	<i>Easter Holidays.</i> [Break]		
11	22/04/2019	Client web technologies and concepts: HTML5 APIs, Performance. <a href="#">[Class]</a>	Main accesses to the database (SQL). Transactions (A9). Product development (A10). <a href="#">[Class]</a>	<b>A7, A8</b>
12	29/04/2019	Uma perspectiva pessoal sobre startups, João Vasco Ranito. <a href="#">[Class]</a>	Product development (A10). <a href="#">[Class]</a>	<b>A9, Minitest</b>
13	06/05/2019	<i>Queima das fitas.</i> [Break]		
14	13/05/2019	Acessibilidade, Usabilidade e Inclusividade, António Silva e Bruno Giesteira. <a href="#">[Class]</a>	Product development (A10). <a href="#">[Class]</a>	—
15	20/05/2019	Security Automation, Pedro Rodrigues. <a href="#">[Class]</a>	Product development (A10). <a href="#">[Class]</a>	—
16	27/05/2019	zerozero.pt, Marco Sousa e Pedro Dias. <a href="#">[Class]</a>	Product development (A10). <a href="#">[Class]</a>	—

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17	03/06/2019	<b>Product delivery (A10).</b>		
18	10/06/2019	<b>Presentation and discussion (A11).</b>		

— *João Correia Lopes, Sérgio Nunes*

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