

**Allegato A / Annexe A**

**Double Degree Data Science and Business Informatics /**

**Informatique des Organisations**

UNIPI-UPD programme					
Year	First Semester	CFU	Second Semester	CFU	
<b>First Year at UNIPI</b>	<i>Business Economics</i> GR 2 Elective courses	9	<i>Business Economics</i> GR 2 Elective courses	9	
	<i>Computer Science</i> Business Process Modeling	6	<i>Computer Science</i> GR1 Elective courses	6	
	<i>Decision and Operational Research</i> Logistics	6	<i>Computer Science</i> GR1 Elective courses	6	
	<i>Computer Science</i> Data Mining (Module I) Foundations	6	<i>Computer Science</i> Data Mining (Module II) Advanced Topics and Applications	6	
	<i>Computer Science</i> Decision Support Databases	6			
		<b>33</b>		<b>27</b>	<b>60</b>
<b>Second Year at UPD</b>	<i>Decision and Operational Research</i> Models and resolution of OR problems (3), Multi-criteria Analysis and Decision (3)	6	<i>Business Economics:</i> Negotiation (3) ,e-marketing (3)	6	
	<i>Computer Science</i> Decision and Business Performance Management (4), Intelligent Systems for Business Decision (3)	7	<i>Computer Science</i> Business Intelligence Project (3),Emerging Technologies in Computer Science (3), Script Programming for Decision (2)	8	
	<i>Business Economics</i> Hierarchical Management and Project Management ( <i>Management hiérarchique ou de projet : comment gérer une équipe</i> ) (3)	3	<i>Thesis</i>	18	
	<i>Computer Science</i> Algorithms, Systems and Paradigms for Big Data (3), Data Visualization (3), Data Warehouse (Talend) (3), Data Management and Search Techniques for the Web (3).	12			
		<b>28</b>		<b>32</b>	<b>60</b>

**Summary ECTS**

Computer Science	63
Business Economics	27
Decision and Operational Research	12
Thesis	18
<b>Total</b>	<b>120</b>