

## Instructions for students enrolled in the Master Degree in Computer Science (old regulation)

With the academic year 2017/2018, new curriculum and new courses were introduced. The Aggregate Council of the Course of Study in Computer Science commits to guarantee that students who remain enrolled in the Master Degree according to the old regulation can have the opportunity to attend the courses and to take their examinations without excessive drawbacks.

### Fundamental Courses

It is possible to take the exams provided by the old regulation as indicated in the following table:

| Course (old regulation)                          | CFU | Course (new regulation) (*)   | CFU |
|--|-----|---|-----|
| 316AA - Algoritmica II                           | 9   | 642AA - Algorithm design  | 9   |
| 324AA - Basi di dati II                          | 9   | 641AA - Advanced databases  | 9   |
| 371AA - Metodi numerici e ottimizzazione         | 12  | 646AA - Computational mathematics for learning and data analysis<br><i>with a supplementary interview of 3 CFU to be agreed with the lecturer</i> | 9   |
| 375AA - Modelli di calcolo                       | 9   | 375AA - Principles for software composition   | 9   |
| 603AA - Principi dei linguaggi di programmazione | 9   | 653AA - Languages, compilers and interpreters   | 9   |
| 301AA - Programmazione avanzata                  | 9   | 301AA - Advanced programming  | 9   |
| 305AA - Sistemi distribuiti: paradigmi e modelli | 9   | 305AA - Parallel and distributed systems: paradigms and models  | 9   |

Table 1

**(\*) WARNING: The exam will have to be registered with the previous code.**

### Complementary Courses

It's possible to take the exams of the following complementary courses as shown in the following table:

| Course (old regulation)                            | CFU | Course (new regulation) (*)  | CFU |
|--|-----|--|-----|
| 315AA - Algoritmi per la bioinformatica            | 6   | 644AA - Bioinformatics   | 6   |
| 320AA - Apprendimento automatico: fondamenti       | 6   | 654AA - Machine learning<br><i>Program to be defined with the lecturer</i>                     | 9   |
| 337AA - Elaborazione del Linguaggio Naturale       | 6   | 649AA - Human language technologies<br><i>Program to be defined with the lecturer</i>          | 9   |
| 342AA - Fondamenti di Grafica 3D                   | 6   | 656AA - Scientific and large data visualization  | 6   |
| 386AA - Reti mobili: reti ad hoc e di sensori      | 6   | 655Aa - Mobile and cyber-physical systems<br><i>Program to be defined with the lecturer</i>    | 9   |
| 387AA - Robotica                                   | 6   | 387AA - Robotics   | 6   |
| 388AA - Semantica e teoria dei tipi                | 6   | 648AA - Foundation of computing  | 6   |
| 261AA - Sistemi Peer to Peer                       | 6   | 261AA - Peer to peer systems and blockchains   | 6   |
| 402AA - Tecniche di analisi statica di sistemi     | 6   | 660AA - Software validation and verification<br><i>Program to be defined with the lecturer</i> | 9   |
| 403AA - Tecniche di progettazione: Design patterns | 6   | 403AA - Tecniche di progettazione: Design patterns   | 6   |

Table 2

**(\*) WARNING: The exam will have to be registered with the previous code.**

## Free Choice Courses

It is possible to take the exams of the following free choice courses as shown in the following table:

| Course Computer Science (old regulation)                                | CFU | Course Computer Science (*)   | CFU |
|---|-----|---|-----|
| 314AA - Algoritmi paralleli e distribuiti                               | 6   | 314AA - Parallel and distributed algorithms<br>( <i>Master programme in Computer Science &amp; Networking</i> ) not active 2017-18                                      | 6   |
| 317AA - Ambienti Virtuali   | 6   | 317AA - Ambienti virtuali<br>( <i>Master programme in Digital humanities</i> )  | 6   |
| 321AA - Apprendimento Automatico: Reti Neurali e Metodi Avanzati        | 6   | 674AA - Computational neuroscience  | 6   |
| 332AA - Data Mining: aspetti avanzati e casi di studio                  | 6   | 309AA - Data Mining<br><b>with a supplementary interview of 3 CFU to be agreed with the lecturer</b>  | 9   |
| 335AA - Data Mining: fondamenti   | 6   |   |     |
| 289AA - Information Retrieval   | 6   | 289AA - Information Retrieval   | 6   |
| 353AA - Laboratorio di Business Intelligence                            | 6   | 417aa - Analisi delle prestazioni aziendali: (II modulo) Laboratorio di business intelligence<br>( <i>Master programme in Business Informatics until a.y. 2017/18</i> ) | 6   |
|   |     | 664AA - Laboratory of data science ( <i>Master programme in Data Science and Business Informatics since a.y. 2018/19</i> )  |     |
| 588AA - Laboratory on algorithms for Big Data                           | 6   | 588AA - Laboratory on algorithms for Big Data<br>( <i>no longer active</i> )  | 6   |
| 293AA - Metodi formali per la sicurezza                                 | 6   | 293AA - Security methods and verification<br>( <i>Master programme in Computer Science &amp; Networking</i> )   | 6   |
| 295AA - Metodi per la specifica e verifica di processi di business      | 6   | 417aa - Analisi delle prestazioni aziendali: (I modulo) Modellazione dei processi aziendali<br>( <i>Master programme in Business Informatics until a.y. 2017/18</i> )   | 6   |
|   |     | 295AA - Business Process Modeling ( <i>Master programme in Data Science and Business Informatics since a.y. 2018/19</i> )   |     |
| 534AA - Piattaforme abilitanti distribuite                              | 6   | 534AA - Distributed enabling platforms<br>( <i>Master programme in Computer Science &amp; Networking</i> )  |     |
| 479AA - Progettazione di interfacce e valutazione dell'usabilità        | 6   | 479AA - Progettazione di interfacce e valutazione dell'usabilità<br>( <i>Master programme in Digital humanities</i> )   | 6   |
| 389AA - Servizi software  | 6   | 290AA - Advanced software engineering<br><b>Program to be defined with the lecturer</b>   | 9   |
| 535AA - Strumenti di programmazione per sistemi paralleli e distribuiti | 6   | 535AA - Programming tools for parallel and distributed systems<br>( <i>Master programme in Computer Science &amp; Networking</i> )                                      | 6   |

Table 3

**(\*) WARNING: The exam will have to be registered with the previous code.**