

Data Science and Scientific Computing - Spring Semester 2019/2020

| II YEAR |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         |                             |
|---------|-------------------------|----------------|-------------------------------------|-------------------------------------|------------------------|------------------------|------------------------|------------------------|----------------|------------------------|-------------------------|-----------------------------|
|         | Monday                  |                | Tuesday                             |                                     | Wednesday              |                        | Thursday               |                        | Friday         |                        |                         |                             |
| 8-9     |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         |                             |
| 9-10    |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         |                             |
| 10-11   | Bayesian Statistics     |                |                                     | Health Data Analytics               |                        |                        |                        |                        | Control Theory |                        | Control Theory          |                             |
| 11-12   | Social Network Analysis | Control Theory | Stochastic Modelling and Simulation | Cyber-Physical Systems              | Genomic Data Analytics | Cyber-Physical Systems | Genomic Data Analytics | Cyber-Physical Systems |                | Genomic Data Analytics | Social Network Analysis |                             |
| 12-13   |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         | Algorithms for Massive Data |
| 13-14   |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         |                             |
| 14-15   | Social Network Analysis |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         | Algorithms for Massive Data |
| 15-16   |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         |                             |
| 16-17   |                         |                | Stochastic Modelling and Simulation | Stochastic Modelling and Simulation |                        | Seminars               |                        | Health Data Analytics  |                |                        | Bayesian Statistics     | Algorithms for Massive Data |
| 17-18   | Reinforcement Learning  |                |                                     |                                     |                        | Reinforcement Learning |                        | Reinforcement Learning |                |                        | Reinforcement Learning  |                             |
| 18-19   |                         |                |                                     |                                     |                        |                        |                        |                        |                |                        |                         |                             |

| Course                              | Professor                             | Classroom  | email  | Notes   |
|-------------------------------------|---------------------------------------|--|--|---|
| Reinforcement Learning              | Antonio Celani                        | 5B-H2bis / 4B-H2bis Monday                         | celani@ictp.it                                       | Lectures will be the following days, for a total of 24 hours:<br>April 1,3,6,8,15,20,24,27,30<br>May 4,6,8 [in case 11,13,15,18,20,22,25<br>June 3]   |
| Bayesian Statistics                 | Francesco Paoli                       | 5B-H2bis   | francesco.paoli@deams.units.it                       |   |
| Algorithms for Massive Data         | Alberto Policriti                     | 4C-H2bis   | alberto.policriti@uniud.it                           | WARNING: On 3,5 march from 8.30 to 10.30 and from 16.30 to 18.30, and on 12,13,26,27 from 16.30 to 18.30 there are lectures in Udine. Please contact the professor for further information.       |
| Health Data Analytics               | Giulia Barbati                        | 5B-H2bis Tuesday / 4A-H2bis Thursday - Friday      | gbarbati@units.it                                    | Lectures are the following days<br>March Tuesday (10, 17, 24, 31) + Friday 27<br>April Tuesday (7,14,21, 28) + Friday (3,10,17,24)<br>May Tuesday (5,12, 19, 26*) + Thursday (21,28) + Friday(22) |
| Stochastic Modelling and Simulation | Luca Bortolussi                       | 5B-H2bis   | lbortolussi@units.it                                 |   |
| Genomic Data Analytics              | Pio D'Adamo                           | 4A-H2bis Tuesday- Wednesday / 4D-H2bis Thursday    | adadamo@units.it                                     |   |
| Cyber Physical Systems              | Laura Nenzi                           | 4B-H2bis   | lnenzi@units.it                                      | Lectures in March and then after the RL part  |
| Natural Language Processing         | Debora Nozza, Matilde Trevisani       | 5B - H2bis (subject to modification)               |  | Lectures will be concentrated in the first two weeks of June (6 hours per day, 8 days)  |
| Social Network Analysis             | Susanna Zaccarin, Domenico De Stefano | 4D - H2bis   | susanna.zaccarin@deams.units.it, ddestefano@units.it | Starting March 9  |
| Control Theory                      | Felice Andrea Pellegrino              | Aula A - C7 (mon) Aula tecnologica - C5 (thu, fri) | fapellegrino@units.it                                |   |