


**Università degli Studi di L'Aquila - Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica**  
**Elenco Corsi Attivi - Area Mathematics and Applications**

Page compiled on 02/03/2021

| Codice | Nome   | Docenti                     | Lin. | Sem. | Tip.  | CFU  | SSD            | Note |
|--------|--|-----------------------------|------|------|-------|------|----------------|------|
| DT0006 | A primer in mechanics                                      | Tatone                      | en   | 2nd  | D     | 3    | ICAR/08        | R    |
| DT0113 | Advanced Analysis  | Lattanzio, Nolasco, Spirito | en   | 2nd  | Varie | Vari | MAT/05         | I    |
| DT0246 | Advanced Numerical Analysis                                |                             | en   | 2nd  | B     | 6    | MAT?08         |      |
| DT0015 | Algebra  | Gavioli, Scoppola           | it   | 2nd  | A     | 12   | MAT/02         | I    |
| DT0121 | Algebra Superiore  | Gavioli, Guerrieri          | en   | 1st  | C+B   | 12   | MAT/02         | I    |
| DT0098 | An introduction to continuum mechanics                     | Tatone                      | en   | 2nd  | B     | 12   | ICAR/08        |      |
| DT0014 | Analisi Matematica A                                       | Pignotti, Rubino            | it   | 1st  | A     | 12   | MAT05          | I    |
| DT0020 | Analisi Matematica B                                       | Donatelli                   | it   | 1st  | B     | 9    | Mat/05         |      |
| DT0023 | Analisi Matematica C                                       | Guarguaglini                | it   | 2nd  | B     | 6    | Mat/05         |      |
| DT0021 | Analisi Numerica   | Cimoroni, Guglielmi         | it   | 2nd  | B     | 9    | MAT/08         |      |
| I0183  | Applied partial differential equations                     | Lattanzio                   | en   | 1st  | B     | 6    | MAT/05         | R    |
| DT0262 | Biomathematics   | Di Francesco, Pignotti      | it   | 1st  |       |      | MAT/05         | R    |
| DT0022 | Calcolo delle probabilità A                                | Tsagkarogiannis             | it   | 2nd  | B     | 6    | MAT/06         |      |
| DT0028 | Calcolo delle probabilità B                                | De Masi                     | it   | 1st  | B     | 6    | MAT/06         |      |
| DT0051 | Combinatorics and Cryptography                             | Gavioli                     | en   | 2nd  | Varie | Vari | MAT/02         |      |
| DT0112 | Complex analysis   | Nolasco                     | en   | 2nd  | B     | 6    | MAT/05         |      |
| I0670  | Computer Modelling And Simulations Of Biomolecules         | Guidoni                     | en   | 1st  | D     | 6    | CHIM/07        |      |
| DT0422 | Comunicazione della conoscenza scientifica                 | Freguglia, Guerrieri        | it   |      | C     | 6    |                | I    |
| DT0295 | Continuum mechanics and thermodynamics                     | Tatone                      | en   | 2nd  | B     | 9    | ICAR/08        | R    |
| I0062  | Control Systems  | D'innocenzo                 | en   | 1st  | B     | 6    | ING-INF/04     |      |
| DT0440 | Data Analytics and Data Driven Decision                    | Felici, Rossi               | en   | 2nd  | C     | 6    | MAT/09         |      |
| DT0279 | Data analytics and data mining                             | Felici, Rossi               | en   | 2nd  | B     | 6    | ING-INF/05     | R    |
| DT0131 | Didattica Della Matematica                                 | Livorni                     | it   | 1st  | B     | 12   | MAT/04         |      |
| I0565  | Dispositivi Elettronici                                    | Carelli, Stornelli          | en   | 1st  | D     | 9    |                |      |
| I0459  | Dynamical systems and bifurcation theory                   | Rubino                      | en   | 1st  | B     | 6    | MAT/05         |      |
| I0677  | English as a foreign language (level B2)                   | Paolini                     | en   | 1st  | F     | 3    | L-LIN/12       | R    |
| DT0107 | English as a foreign language (level B2)                   | Paolini                     | en   | 1st  | F     | 2    | L-LIN/12       |      |
| DT0161 | Equazioni della fisica matematica                          | Lattanzio, Serva            | en   | 1st  | B+C   | 9    | MAT/05,<br>MAT | I    |
| F0061  | Fisica I   | Santucci                    | it   | 2nd  | A     | 9    | FIS/01         |      |
| F0501  | Fisica II  | Carelli                     | it   | 1st  | C     | 9    | FIS/01         |      |
| DT0131 | Foundation and Methodology of Mathematics Education        | Livorni                     | it   | 1st  | C     | 12   | MAT/04         |      |
| DT0124 | Foundation of Mathematics                                  | Freguglia                   | it   | 1st  | C     | 6    | MAT/04         |      |
| I0051  | Functional Analysis In Applied Mathematics And Engineering | Fagioli                     | en   | 1st  | B     | 9    | MAT/05         |      |
| DT0018 | Geometria A  | Fania                       | it   | 1st  | A     | 12   | MAT/03         |      |
| DT0019 | Geometria B  | Fedeli, Nelli               | it   | 1st  | B     | 12   | MAT/03         |      |

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|--------|--|---------------------------------|------|------|-------|------|------------|------|
| DT0248 | Geometria Riemaniana   | Nelli, Pipoli                   | en   | 2nd  | C     | 6    | MAT/03     |      |
| DT0117 | Geometria Superiore  | Bedulli, Biancofiore            | en   | 1st  | B     | 12   | MAT/03     | I    |
| DT0252 | High Performance Computing Laboratory and Applications to differential equations | Guglielmi                       | en   | 1st  | Varie | Vari | MAT/08     |      |
| F0060  | Informatica  | Nesi                            | it   | 1st  | A     | 6    | INF/01     | R    |
| I0117  | Inglese livello B1   | Larivera                        | en   | 2nd  | E     | 3    | L-LIN/12   |      |
| DT0077 | Intensive Programme  | Rubino, Tatone                  | en   | 1st  | C+B   | 6    | NN         | I    |
| DT0148 | Introduzione alla Elettrotecnica   | Buccella                        | it   | 1st  | C     | 6    | ING-IND/31 |      |
| DT0305 | Introduzione alla Geometria Algebrica  | Fania                           | it   | 1st  | C     | 6    | MAT/03     |      |
| DT0025 | Istituzioni Di Analisi Superiore   | Nolasco                         | it   | 1st  | B     | 12   | MAT/05     | I    |
| F1195  | Istituzioni Di Geometria Superiore I   | Lelli Chiesa                    | it   | 2nd  | B     | 9    | MAT/03     |      |
| DT0254 | Kinetic and hydrodynamic models  | Colangeli                       | en   | 2nd  | Varie | Vari | MAT/07     |      |
| F0019  | Lingua Inglese   | Ceccarelli                      | en   | 1st  | E     | 3    | L-LIN/12   |      |
| DT0110 | Mathematical Economics and Finance   | Giuli                           | en   | 1st  | Varie | Vari | SECS-S/06  |      |
| DT0247 | Mathematical fluid dynamics  | Donatelli                       | en   | 1st  | C     | 6    | MAT/05     |      |
| DT0247 | Mathematical fluid dynamics  | Donatelli                       | en   | 1st  | B     | 6    | ING-IND/06 | R    |
| DT0013 | Mathematical Models for Collective Behavior                                      | Amadori                         | it   | 1st  |       |      | MAT/05     | R    |
| DT0294 | Mathematical Models In Life and Social Sciences                                  | Amadori, Di Francesco, Pignotti | en   | 1st  | Varie | Vari | MAT/05     | I    |
| DT0126 | Mathematical Physics 1   | Merola                          | en   | 2nd  | B     | 6    | MAT/07     |      |
| DT0249 | Mathematical Physics 2   | Colangeli                       | en   | 2nd  | C     | 6    | MAT/07     | R    |
| F0503  | Meccanica Razionale  | Merola                          | it   | 2nd  | B     | 9    | MAT/07     |      |
| I0052  | Mechanics of Solids and Materials  | Tatone                          | en   | 2nd  | D     | 6    | ICAR/08    | R    |
| DT0419 | Metodi analitici applicati alla geometria  | Nelli                           | it   | 1st  | B     | 6    | MAT/03     |      |
| DT0130 | Modern Physics   | Nardone                         | it   | 2nd  | C     | 6    | FIS/01     |      |
| I0419  | Nanophotonics  | Palange                         | it   | 1st  | C     | 9    | FIS/01     | R    |
| DT0058 | Network Design   | Rossi                           | en   | 2nd  | C     | 12   | MAT/09     | I    |
| DT0215 | Network optimisation   | Rossi                           | it   |      | B     | 6    | MAT/09     | R    |
| DT0307 | Numerical Methods For Differential Equations                                     | D'Ambrosio                      | en   | 2nd  | B     | 6    | MAT/08     |      |
| DT0312 | Numerical Methods For Linear Algebra And Optimisation                            | D'Ambrosio                      | en   | 2nd  | C     | 6    | MAT/08     |      |
| DT0220 | Optimisation Models and Algorithms   | Arbib                           | it   |      | B     | 6    | MAT/09     |      |
| DT0256 | Parallel Computing   | Festa                           | en   | 2nd  | C     | 6    | MAT/08     |      |
| I0671  | Principles Of Structural And Cell Biochemistry                                   | Coccia                          | en   | 1st  |       |      |            |      |
| DT0127 | Probabilità e Processi Stocastici  | De Masi, Gabrielli              | en   | 2nd  | B     | 12   |            | I    |
| DH0003 | Sistemi Dinamici e Teoria della biforcazione                                     | Rubino                          | en   | 1st  | C     | 6    | MAT/05     | R    |
| DT0133 | Stochastic models and applications   | Antonelli                       | en   | 1st  | C     | 6    | MAT/06     |      |
| DT0052 | Stochastic Processes   | Tsagkarogiannis                 | en   | 2nd  | Varie | Vari | MAT/06     |      |
| I0549  | Systems biology  | Palumbo                         | en   | 1st  | B     | 6    | ING-INF/04 |      |
| I0549  | Systems Biology  | Palumbo                         | en   | 1st  | B     | 6    | ING-INF/04 |      |
| DT0104 | Time Series And Prediction   | Triacca                         | it   | 1st  | Varie | Vari | SECS-P/05  |      |

**NOTE:**

**M** *Il corso è un modulo di un corso integrato*

**I** *Il corso è integrato (composto da diversi moduli)*

**R** *Il corso è mutuato da un altro corso attivo*

**D** *Il corso è disattivato*