FIRST YEAR

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|  | **COURSE** | **HOURS** | **CFU** |
| **CRASH COURSES** | LABORATORY OF MATHEMATICAL ECONOMICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/451542*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/451542) | 30 | 3 |
|  | PROBABILITY AND STATISTICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/461168*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/461168) | 40 | 3 |
|  |  |  |  |
| **FIRST SEMESTER** | MICROECONOMICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350066*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350066) | 30 | 6 |
|  | ECONOMETRIC METHODS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443860*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443860) | 30 | 6 |
|  | MATHEMATICAL ECONOMICS<https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443861>  | 30 | 6 |
|  | MACROECONOMICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350074*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350074) | 30 | 6 |
|  | Either MACROECONOMETRICS or MICROECONOMETRICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443856*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443856)[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443857*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443857) | 30 | 6 |
|  |  |  |  |
| **SECOND SEMESTER** | GAME THEORY[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350067*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350067) | 30 | 6 |
|  | STATISTICS FOR HIGH-DIMENSIONAL DATA[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443876*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443876) | 30 | 6 |
|  | Either GROWTH THEORY or CONSUMPTION AND INVESTMENT THEORY[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350073*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350073)[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443867*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443867) | 30 | 6 |
|  | FINANCIAL PRODUCTS AND MARKETS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/432415*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/432415) | 30 | 6 |
|  | ASSET PRICING[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/432414*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/432414) | 30 | 6 |

SECOND YEAR

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| **MANDATORY COURSE** | LAW ECONOMICS AND MARKETS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443875*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443875) |  |  |
|  |
| **2 COURSES TO BE CHOSEN FROM EACH OF THE TWO FOLLOWING LISTS** |
| **ADVANCED ECONOMICS GROUP** | **ADVANCED ECONOMETRICS GROUP** |
| GROWTH THEORY [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350073*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350073) | MICROECONOMETRICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443856*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443856) |
| CONSUMPTION and INVESTMENT THEORY [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443867*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443867) | MACROECONOMETRICS <https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443857>  |
| INFORMATION ECONOMICS [*https://www.unibo.it/it/didattica/insegnamenti/insegnamento/2022/443866*](https://www.unibo.it/it/didattica/insegnamenti/insegnamento/2022/443866) | MICROECONOMETRICS and SIMULATION METHODS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443872*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443872) |
| PUBLIC ECONOMICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443868*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443868) | ECONOMETRICS OF PANEL DATA [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443874*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443874) |
| BEHAVIORAL ECONOMICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/466731*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/466731) | FINANCIAL TIME SERIES ECONOMETRICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443869*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443869) |
| DEVELOPMENT ECONOMICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350102*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/350102) | CAUSAL INFERENCE and PROGRAM EVALUATION[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443871*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443871) |
| INDUSTRIAL ORGANIZATION: THEORY AND APPLICATIONS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/411855*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/411855) | MACHINE LEARNING for ECONOMISTS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443873*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443873) |
| RECURSIVE METHODS IN MACROECONOMICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/488490*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/488490) | STRUCTURAL MACROECONOMETRICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443870*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443870) |
| LABOUR ECONOMICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/466732*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/466732) | RESEARCH METHODS IN APPLIED ECONOMICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/484153*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/484153) |
| LONG-RUN DEVELOPMENT: THEORY AND EMPIRICS[*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/385356*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/385356) | BAYESIAN ECONOMETRICS [*https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/485458*](https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/485458) |