

Catalogue of courses taught in English at the University of Pavia – 2019/2020

504394 - **ACADEMIC WRITING**
504715 - **ADVANCED AUTOMATION AND CONTROL**
508734 - **ADVANCED BIOMEDICAL MACHINE LEARNING**
504434 - **ADVANCED MATHEMATICAL METHODS FOR ENGINEERS**
502305 - **ADVANCED MICROSCOPY**
500805 - **ADVANCED MOLECULAR BIOLOGY**
509010 - **ADVANCED NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS**
508180 - **ADVANCED STRUCTURAL ANALYSIS AND FUNDAMENTALS OF SEISMIC DESIGN**

The teaching is divided in:

508182 - **FUNDAMENTALS OF SEISMIC DESIGN**
508181 - **NONLINEAR RESPONSE ANALYSIS**

505013 - **ADVANCED TOPICS IN MICROWAVE TECHNOLOGIES**
504435 - **ANALOG INTEGRATED CIRCUITS**
507965 - **ANALYTICAL METHODOLOGIES APPLIED TO GEOSCIENCES**
504444 - **ANTENNAS**
504999 - **ANTENNAS AND PROPAGATION**
507897 - **APPLIED ECONOMETRICS LAB**
507895 - **APPLIED ECONOMICS AND ECONOMETRICS**
507896 - **APPLIED FINANCE LAB**
507337 - **APPLIED GEOPHYSICS AND UNDERGROUND SURVEYS**
503408 - **APPLIED INDUSTRIAL ORGANIZATION**
508171 - **APPLIED MATHEMATICS**
507906 - **APPLIED PROJECT MANAGEMENT**
500905 - **ARCHITECTURAL COMPOSITION 3**

The teaching is divided in:

506620 - **ARCHITECTURAL COMPOSITION 3 - MODULE**
500907 - **LABORATORY (ARCHITECTURAL COMPOSITION 3)**

504707 - **ARTIFICIAL INTELLIGENCE**
508977 - **ATTIVITA' MOTORIA ADATTATA ALLE PATOLOGIE**
507935 - **AUDITING**
508100 - **AUTOMATED MECHANICAL SYSTEM DESIGN**
507217 - **AUTOMATION AND COMMUNICATION IN INDUSTRIAL SYSTEMS**
506492 - **BASIC SCIENCE**

The teaching is divided in:

500438 - **CHEMISTRY**
506493 - **MEDICAL PHYSICS**

507955 - **BASIN ANALYSIS AND PETROLEUM GEOLOGY**

The teaching is divided in:

507956 - **BASIN ANALYSIS**
507957 - **PETROLEUM GEOLOGY**
507909 - **BIG DATA ANALYSIS**

500190 - **BIOINFORMATICS**

506516 - **BIOLOGY OF DISEASE**

The teaching is divided in:

501709 - **GENERAL PATHOLOGY**
506518 - **GENERAL PATHOPHYSIOLOGY**
501708 - **IMMUNOLOGY**
508093 - **LABORATORY OF GENERAL PATHOLOGY A**
508092 - **LABORATORY OF IMMUNOLOGY A**

508186 - **BRIDGE STRUCTURES**
506634 - **BUILDING TECHNOLOGIES FOR SUSTAINABLE ARCHITECTURE**
500462 - **CELLULAR BIOCHEMISTRY**
508045 - **CELTIC LINGUISTICS**
500590 - **CHIMICA DEI COMPOSTI ETEROCICLICI**
507307 - **CIRCUITS AND SYSTEMS FOR HIGH-SPEED COMMUNICATIONS**

502065 - **CIVILTA' INGLESE**

506524 - **CLINICAL FOUNDATIONS**

The teaching is divided in:

501849 - **GENERAL SURGERY**

508097 - **TRAINEESHIP IN MEDICAL SEMEIOTICS A**

508098 - **TRAINEESHIP IN MEDICAL SEMEIOTICS B**

508099 - **TRAINEESHIP IN RADIOLOGY**

508217 - **CODING**

504325 - **COMPARATIVE HISTORY OF GOVERNMENT**

504324 - **COMPARATIVE POLITICS**

506394 - **COMPETITION LAW**

504830 - **COMPETITION POLICY AND MARKET REGULATION**

505150 - **COMPUTATIONAL ELECTROMAGNETICS**

508201 - **COMPUTATIONAL FLUID DYNAMICS**

508175 - **COMPUTATIONAL MECHANICS**

504703 - **COMPUTER VISION**

501565 - **CONTEMPORARY ECONOMIC HISTORY**

508196 - **CONTINUUM MECHANICS**

508211 - **DATA SCIENCE**

503413 - **DECISIONS AND CHOICES**

509032 - **DECISIONS FOR FINANCE**

504855 - **DESIGN AND ANALYSIS OF EXPERIMENTS**

502300 - **DEVELOPMENTAL BIOLOGY**

504998 - **DIGITAL COMMUNICATIONS**

507320 - **DIGITAL CONTENT RETRIEVAL**

504440 - **DIGITAL IC DESIGN**

507908 - **DIGITAL MARKETING**

503116 - **DIGITAL SIGNAL PROCESSING**

506528 - **DISEASE CONTROL AND ERADICATION**

The teaching is divided in:

506532 - **CLINICAL EPIDEMIOLOGY**

506529 - **INFECTIOUS DISEASES A**

506530 - **INFECTIOUS DISEASES B**

506531 - **THE SCIENCE OF DISEASE CONTROL AND ERADICATION**

507912 - **DOING BUSINESS IN**

506520 - **DRUG DISCOVERY AND ACTIONS**

The teaching is divided in:

504866 - **CHEMOTHERAPY**

506523 - **DRUG DISCOVERY AND DRUG DEVELOPMENT**

506521 - **GENERAL PHARMACOLOGY AND PHARMACODYNAMICS**

508096 - **LABORATORY OF GENERAL PHARMACOLOGY AND PHARMACODYNAMICS**

506522 - **PHARMACOKINETICS AND THERAPEUTIC DRUG MONITORING**

508173 - **DYNAMICS OF STRUCTURES**

504869 - **ECONOMICS AND FINANCE OF MULTINATIONAL CORPORATIONS**

507231 - **ECONOMICS OF COOPERATION AND DEVELOPMENT**

508786 - **EGYPT AFTER THE PHARAOHS**

504723 - **ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS**

505002 - **ELECTRONIC INSTRUMENTATION AND TECHNOLOGIES**

507218 - **ELECTRONICS FOR INDUSTRIAL MEASUREMENTS**

505021 - **ELECTRO-OPTICAL INSTRUMENTATION**

509079 - **ENERGY MARKETS AND SUPPLY STRUCTURE**

508194 - **ENGINEERING GEOLOGY**

508197 - **ENGINEERING GEOLOGY AND HYDROMORPHOLOGY**

The teaching is divided in:

508194 - **ENGINEERING GEOLOGY**

508198 - **HYDROMORPHOLOGY**

502786 - **ENGLISH FOR COMMUNICATION STUDIES**

The teaching is divided in:

502786 - **ENGLISH FOR COMMUNICATION STUDIES (COGNOMI A-L)**

502786 -	ENGLISH FOR COMMUNICATION STUDIES (COGNOMI M-Z)
504713 -	ENTERPRISE DIGITAL INFRASTRUCTURE
507346 -	ENVIRONMENTAL GEOCHEMISTRY
505020 -	ENVIRONMENTAL PLANNING AND ASSESSMENT
506495 -	ESSAY WRITING TECHNIQUE
504331 -	ETHICS AND INTERNATIONAL RELATIONS
506508 -	ETHICS AND SOCIETY
	The teaching is divided in:
506509 -	ETHICS AND MEDICINE (BIOETHICS)
506511 -	PATIENT AND DOCTOR RELATIONSHIP
506510 -	THE PUBLIC STRUCTURE OF HEALTH (FORENSIC MEDICINE)
504837 -	EUROPEAN CONSTITUTIONAL LAW
506533 -	EVOLUTION AND MEDICINE
	The teaching is divided in:
506534 -	GENETICS
501929 -	MEDICAL GENETICS
509011 -	EVOLUTION EQUATIONS
504329 -	EXPLANATORY MODELS IN INTERNATIONAL RELATIONS
504838 -	FINANCIAL ECONOMETRICS
508645 -	FINANCIAL INNOVATION & FINTECH
507903 -	FIRM VALUATION AND CAPITAL MARKET INSTRUMENTS
507329 -	FLOOD PROPAGATION
507314 -	FOOD ECONOMICS AND AGRICULTURAL DEVELOPMENT
508176 -	FOUNDATION ENGINEERING AND EARTH RETAINING STRUCTURES
506512 -	FUNCTIONS OF THE BODY
	The teaching is divided in:
501719 -	CARDIOVASCULAR PHYSIOLOGY
501718 -	CELL PHYSIOLOGY
501720 -	ENDOCRINE PHYSIOLOGY
501706 -	GASTROENTEROLOGIC PHYSIOLOGY
501705 -	KIDNEY PHYSIOLOGY
501717 -	MUSCLE PHYSIOLOGY
501704 -	NERVOUS SYSTEM PHYSIOLOGY
501703 -	RESPIRATORY PHYSIOLOGY
507284 -	GAME AND EQUILIBRIUM THEORY: TOOLS AND APPLICATIONS
508200 -	GEOMATICS AND GIS
507962 -	GEOPEDOLOGY
508179 -	GEOTECHNICAL EARTHQUAKE ENGINEERING
502492 -	GEOTECHNICAL ENGINEERING
505010 -	GESTIONE, AUTOMAZIONE E COMUNICAZIONE DEI SISTEMI ELETTRICI
	The teaching is divided in:
507217 -	AUTOMATION AND COMMUNICATION IN INDUSTRIAL SYSTEMS
504699 -	GESTIONE E AUTOMAZIONE DEI SISTEMI ELETTRICI
504699 -	GESTIONE E AUTOMAZIONE DEI SISTEMI ELETTRICI
506540 -	GI AND URINARY TRACTS
	The teaching is divided in:
504483 -	GASTROENTEROLOGY A
504484 -	GASTROENTEROLOGY B
501881 -	GASTROINTESTINAL SURGERY
501882 -	HUMAN NUTRITION
501869 -	NEPHROLOGY
501870 -	UROLOGY
508784 -	GREEK HISTORY AND CIVILIZATION
507970 -	HEALTHCARE MANAGEMENT
506641 -	HEALTH ECONOMICS
506538 -	HEART AND LUNGS
	The teaching is divided in:
501863 -	CARDIOLOGY
502667 -	RESPIRATORY DISEASES A



502668 - **RESPIRATORY DISEASES B**

501867 - **THORACIC SURGERY**

506539 - **VASCULAR SURGERY AND HEART SURGERY**

504323 - **HISTORY OF DIPLOMACY**

504326 - **HISTORY OF INTERNATIONAL RELATIONS**

504709 - **HUMAN COMPUTER INTERACTION**

500811 - **HUMAN MOLECULAR GENETICS**

508049 - **HUMAN RIGHTS AND INTERNATIONAL JUSTICE**

508205 - **HYDRAULIC INFRASTRUCTURES**

502489 - **HYDRAULICS**

503264 - **IDRAULICA E SISTEMAZIONI FLUVIALI**

The teaching is divided in:

508069 - **FLUVIAL HYDRAULICS**

503266 - **SISTEMAZIONI FLUVIALI**

501708 - **IMMUNOLOGY**

505015 - **INDUSTRIAL LASER DESIGN**

505060 - **INDUSTRIAL TOPICS IN MICROELECTRONICS**

500404 - **INGLESE**

501817 - **INGLESE 2**

500263 - **INTERNATIONAL BUSINESS AND MANAGEMENT**

500264 - **INTERNATIONAL BUSINESS LAW**

504827 - **INTERNATIONAL ECONOMICS AND POLICY**

507904 - **INTERNATIONAL ENTREPRENEURSHIP AND ENTREPRENEURIAL MARKETING**

506396 - **INTERNATIONAL ENTREPRENEURSHIP AND ORGANIZATIONAL BEHAVIOUR**

507288 - **INTERNET AND MULTIMEDIA**

507294 - **INTRODUCTION TO QUANTUM MECHANICS**

508745 - **INTRODUCTION TO QUANTUM MECHANICS AND QUANTUM TECHNOLOGIES**

507948 - **ISSUES IN INTERNATIONAL RELATIONS**

503052 - **ITALIAN POLITICS AND SOCIETY**

508216 - **IT CONSULTANCY AND SOFT SKILLS**

507325 - **LABORATORIO DI LINGUA INGLESE**

507944 - **LABORATORIO DI PEDOLOGIA**

506708 - **LABORATORY MEDICINE**

The teaching is divided in:

501722 - **CLINICAL BIOCHEMISTRY**

508094 - **LABORATORY OF CLINICAL GENETICS**

508199 - **LANDSLIDES HAZARD AND RISK**

508568 - **LANGUAGE ACQUISITION AND DEGENERATION**

508044 - **LANGUAGE TYPOLOGY**

507216 - **LEAN PRODUCTION**

500063 - **LETTERATURA INGLESE 1**

501241 - **LETTERATURA INGLESE 2**

501242 - **LETTERATURA INGLESE 3**

500895 - **LETTERATURA INGLESE - A (C. P.)**

502060 - **LETTERATURA INGLESE - B (C.P.)**

10659 - **LINGUA INGLESE**

500169 - **LINGUA INGLESE**

The teaching is divided in:

500169 - **LINGUA INGLESE (COGNOMI A-H)**

500169 - **LINGUA INGLESE (COGNOMI I-Z)**

500169 - **LINGUA INGLESE**

500216 - **LINGUA INGLESE 1**

500880 - **LINGUA INGLESE 2**

502089 - **LINGUA INGLESE 3**

500060 - **LINGUA INGLESE - A**

503374 - **LINGUA INGLESE - A (C.P.) - CORPORA E VARIAZIONE LINGUISTICA**

500068 - **LINGUA INGLESE - B**

507264 - **LINGUA INGLESE - B (C.P.) - APPLIED LINGUISTICS AND TRANSLATION**

506497 - **LIVING MOLECULES**



The teaching is divided in:

- 500462 - **CELLULAR BIOCHEMISTRY**
- 506498 - **GENERAL BIOCHEMISTRY A**
- 506499 - **GENERAL BIOCHEMISTRY B**
- 500454 - **GENERAL BIOLOGY**
- 500455 - **HUMAN GENETICS**
- 508086 - **LABORATORY OF HUMAN GENETICS**
- 500461 - **MOLECULAR BIOLOGY**

- 501561 - **MOLECULAR GENETICS**
- 507219 - **LOGISTICS MANAGEMENT**
- 509071 - **MACHINE LEARNING**
- 507902 - **MATHEMATICAL METHODS FOR BUSINESS**
- 506494 - **MATHEMATICS**
- 507283 - **METHODS AND MODELS FOR FINANCIAL ENGINEERING**
- 500802 - **METHODS IN BIOCHEMISTRY**
- 500810 - **MICROBIAL GENETICS**
- 505006 - **MICROWAVE MEASUREMENTS**
- 504437 - **MICROWAVES**
- 506402 - **MIGRATION AND THE LAW**
- 502314 - **MOLECULAR ENTOMOLOGY**
- 501561 - **MOLECULAR GENETICS**
- 502301 - **MOLECULAR MICROBIOLOGY**
- 500812 - **MOLECULAR PHARMACOLOGY**
- 500642 - **NANOSTRUTTURE DI SEMICONDUTTORI**
- 509026 - **NANOSTRUTTURE QUANTISTICHE**
- 507222 - **NEGOTIATING AND MANAGEMENT SKILLS IN INTERNATIONAL ORGANIZATIONS**
- 506542 - **NEUROLOGICAL AND PSYCHIATRIC DISEASES**

The teaching is divided in:

- 502750 - **ELEMENTS OF PSYCHIATRY**
- 501899 - **NEUROLOGY**
- 501900 - **NEUROSURGERY**
- 506543 - **PSYCHOLOGICAL MEDICINE**

- 504996 - **NONLINEAR OPTICS**
- 508306 - **NORMATIVE POLITICAL THEORY**
- 504710 - **NUMERICAL METHODS IN ENGINEERING SCIENCES**
- 504994 - **OPTICAL COMMUNICATIONS**
- 509005 - **OPTIMIZATION MODELS AND ALGORITHMS FOR DATA SCIENCE**
- 504992 - **OPTOELECTRONIC DEVICES**
- 504464 - **ORGANIZATION THEORY AND DESIGN**
- 506399 - **PERFORMANCE MANAGEMENT**
- 508655 - **PHYSICAL PROPERTIES OF MINERALS AND ROCKS**
- 508286 - **PLANNING OF ENERGY CONVERSION SYSTEMS**
- 504225 - **PLANT MOLECULAR BIOLOGY AND BIOTECHNOLOGY**

The teaching is divided in:

- 504226 - **PLANT MOLECULAR BIOLOGY AND BIOTECHNOLOGY - MOD. 1**
- 504227 - **PLANT MOLECULAR BIOLOGY AND BIOTECHNOLOGY - MOD. 2**

- 508172 - **PROBABILITY AND STATISTICS FOR ENGINEERING APPLICATIONS**
- 504844 - **PROBABILITY AND STOCHASTIC PROCESSES**
- 504462 - **PROCESS CONTROL**
- 504714 - **PROCESS CONTROL AND ROBOTICS**

The teaching is divided in:

- 504462 - **PROCESS CONTROL**
- 504463 - **ROBOT CONTROL**

- 504845 - **QUANTITATIVE FINANCE**
- 507310 - **QUANTITATIVE POLICY ANALYSIS FOR DEVELOPMENT**
- 504993 - **QUANTUM ELECTRONICS**
- 505000 - **RADAR REMOTE SENSING**
- 504334 - **REGIONAL INTEGRATION AND PUBLIC POLICY**
- 508174 - **REINFORCED CONCRETE STRUCTURES**



- 504463 - **ROBOT CONTROL**
- 504719 - **ROBOTICS**
- 505017 - **SATELLITE AND SPACE SYSTEMS**
- 505018 - **SATELLITE DATA ANALYSIS**
- 506496 - **SCIENTIFIC FOUNDATIONS OF MEDICINE**
 - The teaching is divided in:
 - 501847 - **EPIDEMIOLOGY**
 - 500445 - **HISTORY OF MEDICINE**
 - 508088 - **LABORATORY OF STATISTICS B**
 - 502609 - **STATISTICS A**
 - 502610 - **STATISTICS B**
- 508177 - **SEISMIC HAZARD AND GEOTECHNICAL EARTHQUAKE ENGINEERING**
 - The teaching is divided in:
 - 508179 - **GEOTECHNICAL EARTHQUAKE ENGINEERING**
 - 508178 - **SEISMIC HAZARD AND APPLIED SEISMOLOGY**
- 508280 - **SEISMIC INTERPRETATION FOR GEOLOGICAL MODELING**
- 508188 - **SEISMIC RISK**
- 506544 - **SENSORY SYSTEM DISEASES**
 - The teaching is divided in:
 - 501894 - **AUDIOLOGY**
 - 501895 - **DENTISTRY**
 - 501896 - **MAXILLO-FACIAL SURGERY**
 - 501892 - **OPHTHALMOLOGY**
 - 501893 - **OTORHINOLARYNGOLOGY**
- 508081 - **SNOW AVALANCHES AND RELATED MOUNTAIN NATURAL HAZARDS**
- 506500 - **SOCIAL ROOTS OF HEALTH**
 - The teaching is divided in:
 - 506501 - **COMMUNITY MEDICINE A**
 - 506502 - **COMMUNITY MEDICINE B**
 - 506503 - **COMMUNITY MEDICINE C**
 - 506641 - **HEALTH ECONOMICS**
 - 508091 - **LABORATORY OF COMMUNITY MEDICINE**
- 508571 - **SOCIO-EMOTIONAL DEVELOPMENT**
- 507973 - **SOCIOLOGY OF DEVELOPMENT**
- 506545 - **SOFT TISSUE DISEASES**
 - The teaching is divided in:
 - 501853 - **CLINICAL IMMUNOLOGY**
 - 501889 - **DERMATOLOGY**
 - 501852 - **RHEUMATOLOGY**
- 504705 - **SOFTWARE ENGINEERING**
- 509033 - **SOFTWARE PROJECT FOR DIGITAL TRANSFORMATION**
- 509070 - **STATISTICAL LEARNING THEORY**
- 507215 - **STRATEGIC MANAGEMENT AND BUSINESS PLANNING**
- 500806 - **STRUCTURAL BIOLOGY AND PHARMACOLOGY**
- 506504 - **STRUCTURE OF THE BODY**
 - The teaching is divided in:
 - 500466 - **CYTOLOGY**
 - 506506 - **EMBRYOLOGY**
 - 506505 - **HISTOLOGY**
 - 504899 - **HUMAN ANATOMY A**
 - 504900 - **HUMAN ANATOMY B**
 - 508089 - **LABORATORY OF HISTOLOGY**
 - 508090 - **LABORATORY OF TOPOGRAPHIC ANATOMY**
 - 500469 - **TOPOGRAPHIC ANATOMY**
- 506519 - **SYSTEMIC PATHOLOGY**
 - The teaching is divided in:
 - 508095 - **LABORATORY OF PATHOLOGICAL ANATOMY A**
 - 502675 - **PATHOLOGICAL ANATOMY A**
 - 502676 - **PATHOLOGICAL ANATOMY B**



UNIVERSITÀ
DI PAVIA

508623 - **TALENT DEVELOPMENT: COMPETENZE PER UNA CARRIERA DI SUCCESSO**
500702 - **TEORIA DEI SISTEMI DINAMICI**
508271 - **THE DISABLED PERSON**
508270 - **ULTRASOUND LABORATORY**
505003 - **VLSI ANALOG-DIGITAL INTERFACE ICS**
505071 - **WATER-ENERGY SUSTAINABLE URBAN DEVELOPMENT**
507214 - **WIRED AND WIRELESS COMMUNICATION SYSTEMS**
506596 - **WORLD POLITICS AND MEDIA**