



## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

### SDG7 – Course Units: 154

Degree course	Course units
<a href="#">[F4F] PHYSICS</a> 7	<a href="#">[DF0033] ADVANCED PHYSICS LABORATORY</a> <a href="#">[DF0032] EXPERIMENTAL METHODS IN PHYSICAL RESEARCH</a> <a href="#">[DF0028] NUCLEAR AND SUBNUCLEAR PHYSICS</a> <a href="#">[DF0031] QUANTUM ELECTRODYNAMICS</a> <a href="#">[DF0118] ADVANCED COSMOLOGY</a> <a href="#">[DF0117] ADVANCED QUANTUM FIELD THEORY</a> <a href="#">[DF0051] ADVANCED SIMULATION TECHNIQUES</a>
<a href="#">[F4T] ATMOSPHERIC SCIENCE AND TECHNOLOGY</a> 7	<a href="#">[DF0078] FOUNDATIONS OF METEOROLOGY: SYNOPTIC AND PHYSICAL METEOROLOGY</a> <a href="#">[DF0077] FUNDAMENTALS OF FLUID MECHANICS</a> <a href="#">[DF0087] ADVANCED FLUID MECHANICS</a> <a href="#">[DF0090] ADVANCED ELECTROMAGNETICS AND SCATTERING</a> <a href="#">[DF0094] ENGINEERING ELECTROMAGNETICS</a> <a href="#">[DF0088] HYDROCLIMATOLOGY</a> <a href="#">[DF0089] HYDROLOGICAL MODELING</a>
<a href="#">[F4D] CHEMISTRY</a> 3	<a href="#">[F0052] ADVANCED ANALYTICAL METHODS</a> <a href="#">[DF0125] POLLUTANTS ANALYSIS</a> <a href="#">[F0110] ORGANIC SYNTHESIS WITH LABORATORY</a>
<a href="#">[I4M] MECHANICAL ENGINEERING</a> 11	<a href="#">[DG0186] MACHINE DESIGN</a> <a href="#">[DG0098] COMPUTATIONAL FLUID DYNAMICS</a> <a href="#">[I0235] MANAGEMENT OF ENERGY CONVERSION SYSTEMS</a> <a href="#">[I0642] THERMAL MECHANICAL MEASURES AND TESTING</a> <a href="#">[DG0015] COMPUTER AIDED DESIGN</a> <a href="#">[DG0090] MANAGEMENT CONTROL</a> <a href="#">[I0741] THERMAL SCIENCE</a> <a href="#">[I0221] DYNAMICS AND CONTROL OF MACHINES</a> <a href="#">[I0601] TURBOMACHINES AND INTERNAL COMBUSTION ENGINES</a> <a href="#">[I0237] MECHANICAL VIBRATIONS</a> <a href="#">[DG0016] SUSTAINABLE ENERGY TECHNOLOGIES</a>



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<a href="#">[I3D] INDUSTRIAL ENGINEERING</a> 16	<u>[I0203] CHEMISTRY</u> <u>[I0745] ECONOMICS AND BUSINESS ORGANIZATION</u> <u>[DG0169] ELECTRICAL ENGINEERING AND COMPLEMENTS</u> <u>[I0622] APPLIED MECHANICS</u> <u>[DG0020] TECHNICAL DRAWING</u> <u>[DG0023] MATERIAL SCIENCE</u> <u>[I0658] ELECTRONICS I</u> <u>[DG0115] ELECTRIC PLANTS I</u> <u>[I0629] MACHINES</u> <u>[DG0177] ELECTRIC MACHINES AND COMPLEMENTS</u> <u>[I0635] ELECTRICAL MEASUREMENTS</u> <u>[I0239] BUSINESS MANAGEMENT &amp; ORGANIZATIONAL DESIGN</u> <u>[I0219] INDUSTRIAL PLANTS</u> <u>[I0537] BUILDING SCIENCE</u> <u>[I0638] MANUFACTURING TECHNOLOGY</u> <u>[I0639] NON TRADITIONAL MANUFACTURING PROCESSES</u>
<a href="#">[M4A] BUSINESS ADMINISTRATION, ECONOMICS AND FINANCE</a> 5	<u>[DG0038] ECONOMY AND POLICY OF EUROPEAN INTEGRATION</u> <u>[M0032] INDUSTRIAL ORGANIZATION</u> <u>[DG0040] INNOVATION ECONOMY</u> <u>[DG0074] REGIONAL ECONOMY</u> <u>[DG0034] INTERNATIONAL CORPORATE FINANCE</u>
<a href="#">[I4E] ELECTRONICS ENGINEERING</a> 8	<u>[I0333] DIGITAL ELECTRONICS</u> <u>[I0285] SIGNAL INTEGRITY</u> <u>[I0708] MICROELECTRONICS</u> <u>[DG0080] MEASUREMENTS FOR INDUSTRY AND AUTOMATION</u> <u>[DG0090] MANAGEMENT CONTROL</u> <u>[I0025] MEASUREMENT DATA PROCESSING</u> <u>[I2I019] DIGITAL SYSTEM ELECTRONICS II</u> <u>[DG0086] SYSTEMS AND TECHNOLOGY ELECTRONICS</u>
<a href="#">[I4L] ELECTRICAL ENGINEERING</a> 10	<u>[I2L036] ELECTRIC DRIVES</u> <u>[DG0160] INDUSTRIAL AND POWER ELECTRONICS</u> <u>[DG0091] ELECTRIC PLANTS II</u> <u>[DG0090] MANAGEMENT CONTROL</u> <u>[I0379] ELECTRICAL SYSTEMS FOR MOBILITY</u> <u>[DG0053] ELECTRICAL AUTOMATION AND LABORATORY</u> <u>[I2S017] MECHANICAL AUTOMATION AND MECHATRONICS</u> <u>[DG0095] APPLIED ELECTROTECHNICS AND CALCULATION METHODS</u> <u>[DG0080] MEASUREMENTS FOR INDUSTRY AND AUTOMATION</u> <u>[DG0094] DESIGN OF ELECTRIC MACHINES</u>
<a href="#">[I4H] CHEMICAL ENGINEERING</a> 11	<u>[I0291] CHEMICAL REACTORS</u> <u>[DG0179] GREEN ENGINEERING AND CATALYTIC PROCESSES</u>



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	<u>[DG0163] INDUSTRIAL BIOPROCESSES</u> <u>[DG0183] INDUSTRIAL CHEMISTRY</u> <u>[11H005] CHEMICAL PROCESSES DYNAMICS AND CONTROL</u> <u>[DG0179] GREEN ENGINEERING AND CATALYTIC PROCESSES</u> <u>[12H014] CHEMICAL PLANTS II</u> <u>[DG0180] MATERIALS AND CORROSION ENGINEERING</u> <u>[10593] MATERIALS SCIENCE AND TECHNOLOGY II</u> <u>[10740] SAFETY IN PROCESS PLANT DESIGN</u> <u>[DG0156] PURIFICATION OF LIQUID AND GASEOUS EFFLUENTS</u>
<u>[14G] MANAGEMENT ENGINEERING</u> <p style="text-align: center;">5</p>	<u>[DG0097] TECHNOLOGICAL PROCESS MANAGEMENT FOR AUTOMOTIVE</u> <u>[12G011] INDUSTRIAL PRODUCTION MANAGEMENT</u> <u>[12G019] INDUSTRIAL LOGISTICS</u> <u>[12G066] PLANT GENERAL SERVICES</u> <u>[DG0018] ADVANCED PRODUCTION SYSTEMS</u>
<u>[14R] ENVIRONMENTAL ENGINEERING</u> <p style="text-align: center;">9</p>	<u>[DH0104] FLUID HYDRAULICS AND HYDRAULIC RISK MITIGATION</u> <u>[10363] ENVIRONMENTAL AND CHEMICAL ENGINEERING</u> <u>[12R020] STREET, RAILROAD AND AIRPORT CONSTRUCTIONS</u> <u>[12R045] INDUSTRIAL AND ENVIRONMENTAL BIOCHEMICAL PLANTS</u> <u>[12R021] TERRITORIAL ENERGY PLANNING</u> <u>[DH0028] ADMINISTRATIVE AND ENVIRONMENTAL LAW FOUNDATIONS</u> <u>[DH0047] TRANSPORTATION ENGINEERING</u> <u>[10305] CORROSION AND MATERIALS PROTECTION</u> <u>[10355] ENVIRONMENTAL MEASURES</u>
<u>[14A] CONSTRUCTION – ARCHITECTURAL ENGINEERING</u> <p style="text-align: center;">14</p>	<u>[12AL06] PROJECT LAB-BASED COURSE ON URBAN PLANNING</u> <u>[12A006] URBAN PLANNING</u> <u>[DH0014] ARCHITECTURE AND COMPOSITION IN ARCHITECTURE 1 AND STRUCTURAL DESIGN WORKSHOP</u> <u>[DH0026] ARCHITECTURAL DESIGN 2 AND ARCHITECTURAL DESIGN WORKSHOP</u> <u>[DH0048] FUNDAMENTALS OF TOPOGRAPHY AND CARTOGRAPHY</u> <u>[12A013] STATICS</u> <u>[10607] MATERIALS TECHNOLOGY AND APPLIED CHEMISTRY</u> <u>[12AL18] PROJECT LAB-BASED COURSE ON URBAN TECHNIQUE</u> <u>[12A016] BUILDING SCIENCE</u> <u>[12A018] URBAN PLANNING TECHNIQUE</u> <u>[12A040] TECHNICAL ARCHITECTURE III</u> <u>[12A034] CONSTRUCTIONS IN SEISMIC AREA</u> <u>[DH0008] BUILDING REUSE AND CONSERVATION</u> <u>[DH0006] SUSTAINABLE CONSTRUCTION SYSTEMS</u>



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<a href="#">[I4C] CIVIL ENGINEERING</a> 10	<u>[DH0039] CONSTRUCTION SITE MANAGEMENT</u> <u>[DH0040] GEOMATICS</u> <u>[DH0071] RESILIENCE AND URBAN RISK</u> <u>[DH0036] TRANSPORTATION ENGINEERING</u> <u>[DH0041] ENVIRONMENTAL ASSESSMENT TECHNIQUES</u> <u>[DH0044] EARTHQUAKE GEOTECHNICAL ENGINEERING</u> <u>[DH0043] SEISMIC RISK ANALYSIS</u> <u>[DH0031] ADVANCED OPEN CHANNEL FLOW AND HYDRAULIC STRUCTURES</u> <u>[DH0035] SLOPE STABILITY</u> <u>[I0614] TECHNICAL ARCHITECTURE I</u>
<a href="#">[I3S] CIVIL PROTECTION TECHNIQUES AND TERRITORIAL SAFETY</a> 5	<u>[DH0087] FUNDAMENTALS OF CHEMISTRY AND MATERIALS</u> <u>[DH0092] TRANSPORTATION SAFETY</u> <u>[DH0091] TERRITORIAL ANALYSIS AND DIAGNOSIS TECHNIQUES AND GIS</u> <u>[DH0096] BUILDING YARD SAFETY</u> <u>[DH0112] EMERGENCY HOUSING FACILITIES</u>
<a href="#">[I3A] CIVIL AND ENVIRONMENTAL ENGINEERING</a> 8	<u>[I0706] BUILDING SCIENCE</u> <u>[I0607] MATERIALS TECHNOLOGY AND APPLIED CHEMISTRY</u> <u>[DH0084] ENERGETIC OF BUILDINGS</u> <u>[I2R045] INDUSTRIAL AND ENVIRONMENTAL BIOCHEMICAL PLANTS</u> <u>[I2R021] TERRITORIAL ENERGY PLANNING</u> <u>[I0612] REINFOCED AND PRESTRESSED CONCRETE CONSTRUCTIONS</u> <u>[I0618] TERRITORIAL PLANNING</u> <u>[I0619] FUNDAMENTALS OF ENVIRONMENTAL AND CHEMICAL ENGINEERING</u>
<a href="#">[F4L] ENVIRONMENTAL BIOLOGY AND MANAGEMENT OF ECOSYSTEMS</a> 7	<u>[DM0552] TERRITORIAL PLANNING TECHNIQUES AND ENVIRONMENTAL ASSESSMENT</u> <u>[DM0548] BIOMONITORING AND MANAGEMENT OF UNDERGROUND AQUATIC ECOSYSTEMS</u> <u>[DM0433] CLIMATE CHANGE AND HYDROGEOLOGICAL DISARRANGEMENT</u> <u>[F0259] ENVIRONMENTAL CHEMISTRY</u> <u>[DM0228] ECOLOGY AND BIOMONITORING OF INLAND WATERS</u> <u>[DM0551] SIT AND TERRITORIAL PLANNING</u> <u>[DM0146] CONSERVATION BIOGEOGRAPHY</u>
<a href="#">[F3S] ENVIRONMENTAL SCIENCES AND TECHNOLOGY</a> 3	<u>[F0324] GEOGRAPHIC INFORMATION SYSTEMS</u> <u>[DM0427] ENERGY, ENVIRONMENT AND SUSTAINABILITY</u> <u>[DM0432] GEODYNAMICS AND NATURAL RISK</u>
<a href="#">[I4T] TELECOMMUNICATIONS ENGINEERING</a> 3	<u>[DT0187] DIGITAL ELECTRONIC SYSTEMS</u> <u>[DT0060] NETWORK OPTIMIZATION</u> <u>[DT0598] DESIGN OF ACCESS, METRO, AND CORE NETWORKS</u>



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<u>[F4Y] APPLIED DATA SCIENCE</u> 4	<u>[DT0344] ECONOMICS OF DIGITAL TRANSFORMATION</u> <u>[DT0354] METHODS AND TECHNIQUES FOR SMART CITIES</u> <u>[DT0381] MODELING AND DATA ANALYSIS</u> <u>[DT0416] TIME SERIES WITH APPLICATIONS ON BIG DATA</u>
<u>[I4I] COMPUTER AND SYSTEMS ENGINEERING</u> 4	<u>[DT0691] FUNDAMENTALS OF ENERGY SYSTEMS</u> <u>[DT0692] CONTROL OF ENERGY SYSTEMS</u> <u>[DT0699] CONTROL OF ENERGY SYSTEMS I</u> <u>[DT0691] FUNDAMENTALS OF ENERGY SYSTEMS</u>
<u>[F4B] HEALTH AND NUTRITION BIOLOGY</u> 1	<u>[DM0597] BIOENERGIES AND BIOFUELS FROM VEGETABLE BIOMASS</u>
<u>[I3N] INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT) ENGINEERING</u> 3	<u>[DT0349] ICT SECURITY</u> <u>[DT0430] SOFTWARE ENGINEERING</u> <u>[DT0181] COMBINATORICS AND CRIPTOGRAPHY</u>