UNIVERSITÀ DEGLI STUDI DELL'AQUILA

SDG7 – Course Units: 154

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

[I3D] INDUSTRIAL ENGINEERING 16	[I0203] CHEMISTRY [I0745] ECONOMICS AND BUSINESS ORGANIZATION [DG0169] ELECTRICAL ENGINEERING AND COMPLEMENTS [I0622] APPLIED MECHANICS [DG0020] TECHNICAL DRAWING [DG0023] MATERIAL SCIENCE [I0658] ELECTRONICS I [DG0115] ELECTRIC PLANTS I [I0629] MACHINES [DG0177] ELECTRIC MACHINES AND COMPLEMENTS [I0635] ELECTRICAL MEASUREMENTS [I0239] BUSINESS MANAGEMENT & ORGANIZATIONAL DESIGN [I0219] INDUSTRIAL PLANTS [I0537] BUILDING SCIENCE [I0638] MANUFACTURING TECHNOLOGY [I0639] NON TRADITIONAL MANUFACTURING PROCESSES
[M4A] BUSINESS ADMINISTRATION, ECONOMICS AND FINANCE 5	[DG0038] ECONOMY AND POLICY OF EUROPEAN INTEGRATION [M0032] INDUSTRIAL ORGANIZATION [DG0040] INNOVATION ECONOMY [DG0074] REGIONAL ECONOMY [DG0034] INTERNATIONAL CORPORATE FINANCE
[I4E] ELECTRONICS ENGINEERING 8	[I0333] DIGITAL ELECTRONICS [I0285] SIGNAL INTEGRITY [I0708] MICROELECTRONICS [DG0080] MEASUREMENTS FOR INDUSTRY AND AUTOMATION [DG0090] MANAGEMENT CONTROL [I0025] MEASUREMENT DATA PROCESSING [I2I019] DIGITAL SYSTEM ELECTRONICS II [DG0086] SYSTEMS AND TECHNOLOGY ELECTRONICS
[I4L] ELECTRICAL ENGINEERING 10	[I2L036] ELECTRIC DRIVES [DG0160] INDUSTRIAL AND POWER ELECTRONICS [DG0091] ELECTRIC PLANTS II [DG0090] MANAGEMENT CONTROL [I0379] ELECTRICAL SYSTEMS FOR MOBILITY [DG0053] ELECTRICAL AUTOMATION AND LABORATORY [I2S017] MECHANICAL AUTOMATION AND MECHATRONICS [DG0095] APPLIED ELECTROTECHNICS AND CALCULATION METHODS [DG0080] MEASUREMENTS FOR INDUSTRY AND AUTOMATION [DG0094] DESIGN OF ELECTRIC MACHINES
[I4H] CHEMICAL ENGINEERING 11	[I0291] CHEMICAL REACTORS [DG0179] GREEN ENGINEERING AND CATALYTIC PROCESSES [DG0163] INDUSTRIAL BIOPROCESSES [DG0183] INDUSTRIAL CHEMISTRY [I1H005] CHEMICAL PROCESSES DYNAMICS AND CONTROL [DG0179] GREEN ENGINEERING AND CATALYTIC PROCESSES

	[I2H014] CHEMICAL PLANTS II [DG0180] MATERIALS AND CORROSION ENGINEERING [I0593] MATERIALS SCIENCE AND TECHNOLOGY II [I0740] SAFETY IN PROCESS PLANT DESIGN [DG0156] PURIFICATION OF LIQUID AND GASEOUS EFFLUENTS
[I4G] MANAGEMENT ENGINEERING 5	[DG0097] TECHNOLOGICAL PROCESS MANAGEMENT FOR AUTOMOTIVE [I2G011] INDUSTRIAL PRODUCTION MANAGEMENT [I2G019] INDUSTRIAL LOGISTICS [I2G066] PLANT GENERAL SERVICES [DG0018] ADVANCED PRODUCTION SYSTEMS
[I4R] ENVIRONMENTAL ENGINEERING 9	[DH0104] FLUID HYDRAULICS AND HYDRAULIC RISK MITIGATION [I0363] ENVIRONMENTAL AND CHEMICAL ENGINEERING [I2R020] STREET, RAILROAD AND AIRPORT CONSTRUCTIONS [I2R045] INDUSTRIAL AND ENVIRONMENTAL BIOCHEMICAL PLANTS [I2R021] TERRITORIAL ENERGY PLANNING [DH0028] ADMINISTRATIVE AND ENVIRONMENTAL LAW FOUNDATIONS [DH0047] TRANSPORTATION ENGINEERING [I0305] CORROSION AND MATERIALS PROTECTION [I0355] ENVIRONMENTAL MEASURES
[I4A] CONSTRUCTION – ARCHITECTURAL ENGINEERING 14	[I2AL06] PROJECT LAB-BASED COURSE ON URBAN PLANNING [I2A006] URBAN PLANNING [DH0014] ARCHITECTURE AND COMPOSITION IN ARCHITECTURE 1 AND STRUCTURAL DESIGN WORKSHOP [DH0026] ARCHITECTURAL DESIGN 2 AND ARCHITECTURAL DESIGN WORKSHOP [DH0048] FUNDAMENTALS OF TOPOGRAPHY AND CARTOGRAPHY [I2A013] STATICS [I0607] MATERIALS TECHNOLOGY AND APPLIED CHEMISTRY [I2AL18] PROJECT LAB-BASED COURSE ON URBAN TECHNIQUE [I2A016] BUILDING SCIENCE [I2A018] URBAN PLANNING TECHNIQUE [I2A040] TECHNICAL ARCHITECTURE III [I2A034] CONSTRUCTIONS IN SEISMIC AREA [DH0008] BUILDING REUSE AND CONSERVATION [DH0006] SUSTAINABLE CONSTRUCTION SYSTEMS
[I4C] CIVIL ENGINEERING 10	[DH0039] CONSTRUCTION SITE MANAGEMENT [DH0040] GEOMATICS [DH0071] RESILIENCE AND URBAN RISK [DH0036] TRANSPORTATION ENGINEERING [DH0041] ENVIRONMENTAL ASSESSMENT TECHNIQUES [DH0044] EARTHQUAKE GEOTECHNICAL ENGINEERING [DH0043] SEISMIC RISK ANALYSIS [DH0031] ADVANCED OPEN CHANNEL FLOW AND HYDRAULIC STRUCTURES [DH0035] SLOPE STABILITY [I0614] TECHNICAL ARCHITECTURE I

UNIVERSITÀ DEGLI STUDI DELL'AQUILA

[I3S] CIVIL PROTECTION TECHNIQUES AND TERRITORIAL SAFETY 5	[DH0087] FUNDAMENTALS OF CHEMISTRY AND MATERIALS [DH0092] TRANSPORTATION SAFETY [DH0091] TERRITORIAL ANALYSIS AND DIAGNOSIS TECHNIQUES AND GIS [DH0096] BUILDING YARD SAFETY [DH0112] EMERGENCY HOUSING FACILITIES
[I3A] CIVIL AND ENVIRONMENTAL ENGINEERING 8	[I0706] BUILDING SCIENCE [I0607] MATERIALS TECHNOLOGY AND APPLIED CHEMISTRY [DH0084] ENERGETIC OF BUILDINGS [I2R045] INDUSTRIAL AND ENVIRONMENTAL BIOCHEMICAL PLANTS [I2R021] TERRITORIAL ENERGY PLANNING [I0612] REINFOCED AND PRESTRESSED CONCRETE CONSTRUCTIONS [I0618] TERRITORIAL PLANNING [I0619] FUNDAMENTALS OF ENVIRONMENTAL AND CHEMICAL ENGINEERING
[F4L] ENVIRONMENTAL BIOLOGY AND MANAGEMENT OF ECOSYSTEMS 7	[DM0552] TERRITORIAL PLANNING TECHNIQUES AND ENVIRONMENTAL ASSESSMENT [DM0548] BIOMONITORING AND MANAGEMENT OF UNDERGROUND AQUATIC ECOSYSTEMS [DM0433] CLIMATE CHANGE AND HYDROGEOLOGICAL DISARRANGEMENT [F0259] ENVIRONMENTAL CHEMISTRY [DM0228] ECOLOGY AND BIOMONITORING OF INLAND WATERS [DM0551] SIT AND TERRITORIAL PLANNING [DM0146] CONSERVATION BIOGEOGRAPHY
[F3S] ENVIRONMENTAL SCIENCES AND TECHNOLOGY 3	[F0324] GEOGRAPHIC INFORMATION SYSTEMS [DM0427] ENERGY, ENVIRONMENT AND SUSTAINABILITY [DM0432] GEODYNAMICS AND NATURAL RISK
[I4T] TELECOMMUNICATIONS ENGINEERING 3	[DT0187] DIGITAL ELECTRONIC SYSTEMS [DT0060] NETWORK OPTIMIZATION 0598] DESIGN OF ACCESS, METRO, AND CORE NETWORKS
[F4Y] APPLIED DATA SCIENCE 4	[DT0344] ECONOMICS OF DIGITAL TRANSFORMATION [DT0354] METHODS AND TECHNIQUES FOR SMART CITIES [DT0381] MODELING AND DATA ANALYSIS [DT0416] TIME SERIES WITH APPLICATIONS ON BIG DATA
[I4I] COMPUTER AND SYSTEMS ENGINEERING 4	[DT0691] FUNDAMENTALS OF ENERGY SYSTEMS [DT0692] CONTROL OF ENERGY SYSTEMS [DT0699] CONTROL OF ENERGY SYSTEMS I [DT0691] FUNDAMENTALS OF ENERGY SYSTEMS
[F4B] HEALTH AND NUTRITION BIOLOGY 1	[DM0597] BIOENERGIES AND BIOFUELS FROM VEGETABLE BIOMASS

UNIVERSITÀ DEGLI STUDI DELL'AQUILA

[I3N] INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT) ENGINEERING 3	[DT0349] ICT SECURITY [DT0430] SOFTWARE ENGINEERING [DT0181] COMBINATORICS AND CRIPTOGRAPHY