
CATEGORY GROUP AREA

DIVISION 1 : NATURAL SCIENCES, TECHNOLOGIES AND ENGINEERING**F1010000****MATHEMATICAL SCIENCES****F1010100****Mathematics**

- F1010101 Approximation theory
- F1010102 Calculus of variation
- F1010103 Category theory, K-theory and homological algebra
- F1010104 Combinatorics
- F1010105 Control theory
- F1010106 Difference, differential, integral, integro-differential and functional equations
- F1010107 Dynamical systems
- F1010108 Field theory
- F1010109 Fourier and harmonic analysis
- F1010110 Functional analysis
- F1010111 Fuzzy mathematics
- F1010112 Geometry, topology and manifolds
- F1010113 Global analysis and bifurcation
- F1010114 Group theory and generalisations
- F1010115 History and philosophy
- F1010116 Indigenisation and Islamisation
- F1010117 Linear and multilinear algebra
- F1010118 Mathematical logic and set theory
- F1010119 Mathematical programming and optimisation
- F1010120 Number theory
- F1010121 Numerical analysis
- F1010122 Operations research
- F1010123 Real and complex functions
- F1010124 Rings and algebras
- F1010125 Several complex variables
- F1010199 Other mathematics

F1010200**Statistics**

- F1010201 Decision theory
- F1010202 Experimental design and analysis
- F1010203 Exploratory data analysis
- F1010204 History and philosophy
- F1010205 Indigenisation and Islamisation
- F1010206 Multivariate analysis
- F1010207 Observational studies
- F1010208 Probability and distribution theory
- F1010209 Quality and productivity measurement
- F1010210 Sampling and survey techniques
- F1010211 Statistical computing
- F1010212 Statistical inferences
- F1010213 Statistical modelling
- F1010214 Stochastic analysis and modelling
- F1010215 Survival and reliability analysis
- F1010216 Time series and spatial analysis
- F1010299 Other statistics

F1010300**Mathematics and Statistics for ICT and Industries**

- F1010301 Algorithms and cryptology
- F1010302 Applied logic and automata
- F1010303 Artificial intelligence
- F1010304 Circuits and networks

CATEGORY GROUP AREA

F1010305 Computational methodology and complexities
F1010306 Computer systems organisation
F1010307 Computer-aided geometric design (CAGD)
F1010308 Deterministic and stochastic difference, differential, integral, integro-differential and functional equations
F1010309 Discrete mathematics
F1010310 Dynamical systems
F1010311 Experimental mathematics
F1010312 Industrial computing
F1010313 Industrial optimisation and control
F1010314 Industrial statistics
F1010315 Information and communication
F1010316 Natural language programming
F1010317 Software engineering
F1010399 Other mathematics and statistics for ICT and industries

F1010400 Application of Mathematics and Statistics in Other Areas

F1010401 Actuarial mathematics
F1010402 Biological and medical sciences
F1010403 Business, financial and managerial sciences
F1010404 Celestial mechanics, mathematical astrophysics and cosmology
F1010405 Deformed solid mechanics
F1010406 Economics
F1010407 Fluid mechanics
F1010408 Optics and electromagnetism
F1010409 Particle, rigid bodies and system mechanics
F1010410 Potential theory
F1010411 Quality assurance and standard
F1010412 Quantum theory
F1010413 Relativity
F1010414 Social sciences and humanities
F1010415 Statistical mechanics and structure of matter
F1010416 Thermodynamics and heat transfer
F1010417 Unified theory and theory of everything
F1010499 Other areas of application of mathematics and statistics

F1010500 Mathematical Science Education

F1010501 Curriculum development and teaching methods
F1010502 Education and instruction
F1010503 Education policy and system
F1010504 Educational material and media, and educational technology
F1010505 Mathematical ethnosciences and Islamic education
F1010506 Popularisation and acculturation
F1010507 Psychology
F1010599 Other areas in mathematical science education

F1019900 Other Mathematical Sciences not Elsewhere Classified**F1020000****PHYSICAL SCIENCES****F1020100 Astronomy and Astrophysics**

F1020101 Aeronomy
F1020102 Astrophysics
F1020103 Solar system
F1020104 Stellar system galactic and extragalactic
F1020199 Other astronomy and astrophysics

CATEGORY GROUP AREA

| | |
|-----------------|---|
| F1020200 | Theoretical and Computational Physics |
| F1020201 | Chaos theory and simulation |
| F1020202 | Classical and quantum physics |
| F1020203 | Electromagnetism |
| F1020204 | Field theory |
| F1020205 | Relativity and gravitation |
| F1020206 | Statistical physics and thermodynamics |
| F1020207 | Wave phenomena and propagation |
| F1020299 | Other theoretical and computational physics |
| F1020300 | Atomic and Molecular Physics |
| F1020301 | Atomic and molecular structure |
| F1020302 | Atomic and molecular collision processes and interactions |
| F1020303 | Instrumentation and measurement techniques |
| F1020399 | Other atomic and molecular physics |
| F1020400 | Acoustics and Optical Physics |
| F1020401 | Acoustical and optical signal processing |
| F1020402 | Acoustics |
| F1020403 | Electro-optics and light modulation |
| F1020404 | Fibre optics and waveguides |
| F1020405 | Instrumentation, measurement techniques and metrology |
| F1020406 | Optics, non-linear optics and quantum optics |
| F1020407 | Opto-acoustic and opto-thermal phenomena |
| F1020408 | Quantum electronics and lasers |
| F1020499 | Other acoustics and optical physics |
| F1020500 | Condensed Matter Physics |
| F1020501 | Electronic, electrical, magnetic and optical properties |
| F1020502 | Low dimensional physics |
| F1020503 | Low temperature physics |
| F1020504 | Phonon physics |
| F1020505 | Structure, mechanical and thermal properties |
| F1020506 | Superconductivity |
| F1020507 | Surface and interface and thin films |
| F1020599 | Other condensed matter physics |
| F1020600 | Nuclear and Particle Physics |
| F1020601 | Elementary particle physics |
| F1020602 | Nuclear reaction and scattering |
| F1020603 | Nuclear structure |
| F1020604 | Radiation detection and measurement |
| F1020605 | Radioactivity and electromagnetic emission |
| F1020699 | Other nuclear and particle physics |
| F1020700 | Fluid, Discharges and Plasma Physics |
| F1020701 | Electric discharges |
| F1020702 | Fluid dynamics |
| F1020703 | Gaseous electronics |
| F1020704 | Physical properties of gases |
| F1020705 | Plasma devices and applications |
| F1020706 | Space plasma |
| F1020707 | Theory and modelling of plasma |
| F1020799 | Other fluid, discharges and plasma physics |

CATEGORY GROUP AREA

F1029900 Other Physical Sciences not Elsewhere Classified

F1030000

CHEMICAL SCIENCES

F1030100 Physical Chemistry (Including Theoretical and Structural)

F1030101 Chemical energetic
F1030102 Chemical spectroscopy
F1030103 Chemical thermodynamics
F1030104 Chemistry of catalysis
F1030105 Colloid chemistry
F1030106 Electrochemistry
F1030107 Mechanisms of reactions
F1030108 Polymer chemistry
F1030109 Structural chemistry
F1030110 Surface chemistry
F1030111 Theoretical chemistry
F1030199 Other physical chemistry

F1030200 Inorganic Chemistry

F1030201 Bio-inorganic chemistry
F1030202 Main group chemistry
F1030203 Organometallic chemistry
F1030204 Solid state chemistry
F1030205 Transition metal chemistry
F1030299 Other inorganic chemistry

F1030300 Organic Chemistry

F1030301 Bio-organic chemistry
F1030302 Medicinal chemistry
F1030303 Natural products chemistry
F1030304 Oleochemical chemistry
F1030305 Organic chemical synthesis
F1030306 Petrochemical chemistry
F1030307 Physical organic chemistry
F1030399 Other organic chemistry

F1030400 Analytical Chemistry

F1030401 Analytical nuclear chemistry
F1030402 Bioassay methods
F1030403 Chemical and physical methods
F1030404 Chemometrics
F1030405 Computational chemistry
F1030406 Extraction technology
F1030407 Immunoassay
F1030408 Instrumentation methods
F1030409 Trace chemical analysis
F1030499 Other analytical chemistry

F1030500 Radiation Chemistry

F1030501 Cross linking chemistry
F1030502 Degradation chemistry
F1030503 Radiochemistry
F1030504 Sterilization chemistry
F1030599 Other radiation chemistry

CATEGORY GROUP AREA

F1030600 **Molecular chemistry**
F1030601 Characterization of molecules
F1030602 Physical chemistry of molecules
F1030603 Polymerisation mechanisms
F1030604 Synthesis of molecules
F1030699 Other molecular chemistry

F1039900 **Other Chemical Sciences not Elsewhere Classified**

F1040000**EARTH SCIENCES**

F1040100 **Geology**
F1040101 Biostratigraphy
F1040102 Carbon dating
F1040103 Geochronology
F1040104 Geomorphology
F1040105 Geotectonics
F1040106 Glaciology
F1040107 Mineralogy
F1040108 Ore deposit petrology
F1040109 Palaeontology
F1040110 Petroleum geology
F1040111 Pollen dating
F1040112 Sedimentology
F1040113 Structural geology
F1040114 Volcanology
F1040199 Other geology

F1040200 **Geophysics**
F1040201 Earthquake
F1040202 Electromagnetism and geomagnetism
F1040203 Explosion
F1040204 Geomechanics
F1040205 Gravity
F1040206 Petrophysics
F1040207 Radiometric
F1040208 Seismology
F1040299 Other geophysics

F1040300 **Geochemistry**
F1040301 Bio geochemistry
F1040302 Exploration geochemistry
F1040303 Inorganic geochemistry
F1040304 Isotope geochemistry
F1040305 Microbial geochemistry
F1040306 Organic geochemistry
F1040399 Other geochemistry

F1040400 **Hydrology**
F1040401 Eco-hydrology
F1040402 Ground water hydrology
F1040403 Hydraulic system
F1040404 Hydrometeorology
F1040405 Surface water hydrology
F1040406 Urban hydrology
F1040499 Other hydrology

CATEGORY GROUP AREA

F1040500 Atmospheric Sciences
F1040501 Climatology
F1040502 El nino southern oscillation (ENSO)
F1040503 Ionosphere physics
F1040504 Magnetosphere physics
F1040505 Meteorology
F1040506 Monsoon system
F1040507 Palaeoclimatology
F1040508 Sunspot
F1040599 Other atmospheric sciences

F1049900 Other Earth Sciences not Elsewhere Classified

F1050000 INFORMATION, COMPUTER AND COMMUNICATION TECHNOLOGY (ICT)

F1050100 Information Systems
F1050101 Computer graphics and animations
F1050102 Data exchange format
F1050103 Decision support system
F1050104 Digital image processing system
F1050105 Executive information system
F1050106 Geographic information system
F1050107 Interface design
F1050108 Management information system
F1050109 Multimedia
F1050110 Search engine
F1050111 Telemedicine
F1050112 Tomography
F1050113 Web technology
F1050199 Other information systems

F1050200 ICT Infrastructure
F1050201 Antenna design
F1050202 Board design
F1050203 Computer system organisation
F1050204 Data communication devices
F1050205 Display devices
F1050206 Distributed computing
F1050207 Input and output devices
F1050208 Integrated circuits
F1050209 Logic and arithmetics structures
F1050210 Logic design
F1050211 Mobile communication devices
F1050212 Multimedia systems
F1050213 Optical computing
F1050214 Processor design
F1050215 Radio frequency (RF) design
F1050216 Wireless devices
F1050299 Other ICT infrastructure

F1050300 Software
F1050301 Computer aided software engineering (CASE) tools
F1050302 Compilers and interpreters
F1050303 Computer aided system

CATEGORY GROUP AREA

F1050304 Decision support system
F1050305 Object oriented technology
F1050306 Operating systems
F1050307 Programming languages
F1050308 Simulation system
F1050309 Software agents
F1050310 Software engineering
F1050399 Other software

F1050400 Emergent Information Technology

F1050401 Edutainment
F1050402 High performance computing
F1050403 High speed network
F1050404 Intelligent database
F1050405 Knowledge base
F1050406 Man-machine interfacing
F1050407 Middleware technology
F1050408 Mobile computing
F1050409 Multi protocol label switching (MPLS)
F1050410 Natural language
F1050411 Parallel architecture and processing
F1050412 Pervasive computing
F1050413 Virtual reality
F1050499 Other emergent information technology

F1050500 Communication

F1050501 Antenna technology
F1050502 Asynchronous transmission mode
F1050503 Audio/ voice communication
F1050504 Coding and information theory
F1050505 Communication protocols
F1050506 Communication software
F1050507 Data communication devices
F1050508 Electromagnetic compatibility (EMC)
F1050509 Ethernet technologies
F1050510 Integrated communication devices
F1050511 Integrated service digital network (ISDN)
F1050512 Microwave communications technology
F1050513 Mobile network technologies
F1050514 Optical systems
F1050515 Open system interconnecting (OSI) model
F1050516 Routers technology
F1050517 Satellite communications
F1050518 Switched networks
F1050519 Wireless communication and technologies
F1050599 Other communication

F1050600 Security System

F1050601 Authentication system
F1050602 Biometrics security system
F1050603 Cryptography
F1050604 Digital signatures
F1050605 Encryption system
F1050606 Firewalls
F1050607 Intrusion detection system

CATEGORY GROUP AREA

F1050608 Smart system
F1050609 Surveillance system
F1050699 Other security system

F1050700 Artificial Intelligence

F1050701 Cognitive science
F1050702 Computational linguistic
F1050703 Expert systems
F1050704 Logic programming
F1050705 Neural networks, genetic algorithms and fuzzy logic
F1050706 Soft computing
F1050799 Other artificial intelligence

F1050800 Signal Processing

F1050801 Algorithms and techniques
F1050802 Audio and video
F1050803 Data hiding and steganography
F1050804 Detection and estimation
F1050805 Digital signal processing
F1050806 Filters
F1050807 Image processing and computer vision
F1050808 Pattern recognition and image recognition
F1050809 Signal analysis and processing
F1050810 Speech recognition
F1050811 Watermarking techniques
F1050899 Other signal processing

F1050900 Computation Theory and Mathematics

F1050901 Analysis of algorithms and complexity
F1050902 Computer aided geometrical design
F1050903 Discrete mathematics
F1050904 Logics and meanings of programs
F1050905 Mathematical logic and formal language
F1050906 Mathematics software
F1050907 Numerical analysis
F1050908 Symbolic and algebraic manipulation
F1050999 Other computation theory and mathematics

F1051000 Data

F1051001 Compression technology
F1051002 Data encryption
F1051003 Data recovery and backup
F1051004 Data security
F1051005 Data storage and representations
F1051006 Data structures
F1051007 Files management representation and organization
F1051099 Other data aspect

F1051100 Database Technology

F1051101 Database
F1051102 Data mining
F1051103 Data warehousing
F1051199 Other database technology

F1051200 ICT Policy and Social Impact

CATEGORY GROUP AREA

F1051201 Augmenting individuals and transforming societies
F1051202 e-community
F1051203 ICT policies
F1051204 Social impact
F1051299 Other ICT policy and social impact

F1051300**ICT Applications**

F1051301 Bioinformatics
F1051302 e-commerce
F1051303 Education
F1051304 e-government
F1051305 Finance and insurance
F1051306 Healthcare
F1051307 Manufacturing
F1051308 Teleworking
F1051399 Other ICT applications

F1059900**Other Information, Computer and Communication Technology not Elsewhere Classified****F1060000****APPLIED SCIENCES AND TECHNOLOGIES****F1060100****Aerospace**

F1060101 Advance materials-composite special alloys
F1060102 Aerodynamics
F1060103 Aero-elasticity
F1060104 Aeronautical technology
F1060105 Aerospace electrical systems
F1060106 Aerospace manufacturing
F1060107 Aerospace materials
F1060108 Aerospace structures
F1060109 Aircraft performance
F1060110 Assembly, integration and test (AIT) system
F1060111 Avionics
F1060112 Earth observation system (EOS)
F1060113 Experimental aerodynamics
F1060114 Flight control systems
F1060115 Flight dynamics
F1060116 Ground, and space stations
F1060117 Intelligent navigation system
F1060118 Missile systems
F1060119 Propulsion
F1060120 Remote sensing
F1060121 Rocketry
F1060122 Satellite and spacecraft design
F1060123 Sensor
F1060124 Thermal system
F1060125 Unmanned aerial vehicle
F1060199 Other aerospace

F1060200**Process Technology and Engineering**

F1060201 Control technology
F1060202 Drying technology
F1060203 Extraction technology
F1060204 Fermentation technology
F1060205 Hazard analysis and risk assessment

CATEGORY GROUP AREA

F1060206 Material processing technology
F1060207 Membrane technology
F1060208 Printing technology
F1060209 Roasting technology
F1060210 Separation technology
F1060211 Supercritical fluid technology
F1060212 Textile technology
F1060213 Welding technology
F1060299 Other process technology and engineering

F1060300**Nuclear Technology**

F1060301 Accelerator technology
F1060302 Ionising radiation technology
F1060303 Non destructive testing
F1060304 Non-ionising radiation technology
F1060305 Radiation technology
F1060306 Reactor technology
F1060399 Other nuclear technology

F1060400**Educational Technology**

F1060401 Computer assisted instruction (CAI)
F1060402 Computer based training
F1060403 e-learning
F1060404 Multimedia
F1060405 Web based courses
F1060499 Other educational technology

F1060500**Resource-Based Technology**

F1060501 Minerals
F1060502 Oils and fats
F1060503 Petroleum and gas
F1060504 Rubber
F1060505 Water
F1060506 Wood and non wood-based forest products
F1060599 Other resource-based technology

F1060600**Energy Technology**

F1060601 Bio-gas
F1060602 Biomass energy technology
F1060603 Coal energy technology
F1060604 Electrical power generation and supply
F1060605 Energy management and audit
F1060606 Energy storage
F1060607 Fuel cell technology
F1060608 Geo-thermal
F1060609 Hydro power technology
F1060610 Natural gas technology
F1060611 Nuclear technology
F1060612 Ocean Thermal Energy Conversion (OTEC)
F1060613 Recyclibility
F1060614 Solar energy technology
F1060615 Transportation
F1060616 Waste-heat recovery
F1060617 Wind
F1060699 Other energy technology

CATEGORY GROUP AREA

| | |
|-----------------|---|
| F1060700 | Water Technology |
| F1060701 | Control devices |
| F1060702 | Disinfection |
| F1060703 | Filtration |
| F1060704 | Pipe material |
| F1060705 | Reclamation, reuse and recycling |
| F1060706 | Wastewater treatment |
| F1060707 | Water meters |
| F1060708 | Water treatment |
| F1060799 | Other water technology |
| F1060800 | Nanotechnology |
| F1060801 | Medical devices |
| F1060802 | Micro electro-mechanical system (MEMS) |
| F1060803 | Microsphere technology |
| F1060804 | Nano particle |
| F1060805 | Nano photonic |
| F1060806 | Nanotube |
| F1060807 | Quantum device |
| F1060899 | Other nanotechnology |
| F1060900 | Engineering Materials |
| F1060901 | Alloy materials |
| F1060902 | Bio-waste |
| F1060903 | Ceramics |
| F1060904 | Composite materials |
| F1060905 | Concrete |
| F1060906 | Plastics |
| F1060907 | Polymers |
| F1060908 | Steel |
| F1060909 | Timber |
| F1060999 | Other engineering materials |
| F1061000 | Architecture |
| F1061001 | Building design |
| F1061002 | Design for disables |
| F1061003 | Design management and professional practice |
| F1061004 | Design studio practice |
| F1061005 | Heritage and conservation |
| F1061006 | High rise and intelligent building |
| F1061007 | History of the built environment |
| F1061008 | Hospital design |
| F1061009 | Interior and environment design |
| F1061099 | Other architecture |
| F1061100 | Urban Environmental Planning |
| F1061101 | Geographical information system (GIS) |
| F1061102 | Land use |
| F1061103 | Parking system |
| F1061104 | Planning administration and practice |
| F1061105 | Remote sensing |
| F1061106 | Resort development |
| F1061107 | Tourism planning and development |
| F1061108 | Traffic planning and management |

CATEGORY GROUP AREA

F1061109 Urban and regional planning
F1061199 Other urban environmental planning

F1061200 Landscape Design and Planning
F1061201 Ecotourism
F1061202 Geographical information system (GIS)
F1061203 Landscape ecology
F1061204 Landscape management
F1061205 Landscape planning
F1061206 Landscape technology
F1061207 Parks and recreation
F1061208 Remote sensing
F1061209 Therapeutic garden
F1061299 Other landscape design and planning

F1061300 Construction Technology
F1061301 Building and construction
F1061302 Building economics
F1061303 Building services
F1061304 Construction techniques
F1061305 Facilities management
F1061306 Procurement
F1061307 Project management and costing
F1061308 Quantity surveying
F1061309 Real estate
F1061399 Other construction technology

F1069900 Other Applied Sciences and Technology not Elsewhere Classified

F1070000

ENGINEERING SCIENCES

F1070100 Mechanical Engineering
F1070101 Acoustic engineering
F1070102 Air-conditioning and refrigeration
F1070103 Combustion and fuel engineering
F1070104 Corrosion science and engineering
F1070105 Hydraulic and pneumatic engineering
F1070106 Machine design
F1070107 Mechanical control
F1070108 Optical engineering
F1070109 Power plant engineering
F1070199 Other mechanical engineering

F1070200 Chemical Engineering
F1070201 Catalyst and reaction engineering
F1070202 Chemical engineering design
F1070203 Chemical process simulation
F1070204 Chemical/ physical modification
F1070205 Fluid mechanics
F1070206 Heat/ mass transfer operations
F1070207 Indigenous raw materials processing
F1070208 Industrial chemical production
F1070209 Plant design and testing
F1070210 Polymerisation process
F1070211 Process control
F1070212 Separation process

CATEGORY GROUP AREA

F1070299 Other chemical engineering

F1070300**Mining and Mineral Processing Engineering**

F1070301 Extractive metallurgy
F1070302 Geomechanics
F1070303 Mineral evaluation/ appraisal
F1070304 Mining engineering
F1070305 Mineral processing engineering
F1070306 Precious metals recovery
F1070399 Other mining and mineral processing engineering

F1070400**Civil Engineering**

F1070401 Coastal and offshore engineering
F1070402 Foundation engineering
F1070403 Geology and rock engineering
F1070404 Geotechnical engineering
F1070405 Highway engineering
F1070406 Hydrology and hydraulic engineering
F1070407 Infrastructural engineering
F1070408 River engineering
F1070409 Storm water management
F1070410 Structural engineering
F1070411 Surveying
F1070412 Traffic and transportation
F1070413 Urban drainage
F1070414 Water resources
F1070499 Other civil engineering

F1070500**Electrical and Electronic Engineering**

F1070501 Control engineering
F1070502 Device fabrication and process simulation
F1070503 Device physics and simulation
F1070504 Digital and analogue electronics
F1070505 Discrete devices
F1070506 IC design
F1070507 IC testing and failure analysis
F1070508 Instrumentation and control
F1070509 Machines and drives
F1070510 Mechatronics
F1070511 Microwave
F1070512 Power engineering
F1070599 Other electrical and electronic engineering

F1070600**Agricultural Engineering**

F1070601 Agriculture robotics and automation
F1070602 Agro waste management
F1070603 By-product utilisation
F1070604 Farm machinery design
F1070605 Farm structure and growth environment
F1070606 Irrigation and drainage engineering
F1070607 Mechanisation system
F1070608 Non-food processing design
F1070609 Post harvest handling
F1070610 Precision farming
F1070611 Primary processing and storage

CATEGORY GROUP AREA

F1070612 Soil engineering
F1070613 Transportation system for agriculture products
F1070699 Other agriculture engineering

F1070700 Food Engineering
F1070701 Engineering properties of food and biological materials
F1070702 Extraction system
F1070703 Food dehydration
F1070704 Food engineering unit operations
F1070705 Food extrusion
F1070706 Food mechanisation
F1070707 Food process control and automation
F1070708 Food processing plant and machinery design
F1070709 Food transfer process
F1070710 Packaging and handling technology
F1070711 Post harvest engineering
F1070712 Radiation processing
F1070713 Storage and secondary processing
F1070714 System modelling
F1070715 Thermal processing
F1070716 Waste handling and processing
F1070799 Other food engineering

F1070800 Environmental Engineering
F1070801 Air pollution engineering
F1070802 Factory environment
F1070803 Hazardous waste management
F1070804 Life cycle analysis
F1070805 River rehabilitation
F1070806 Sewerage management
F1070807 Solid waste management
F1070808 Sustainable sanitation
F1070809 Water and wastewater processes
F1070810 Water sanitary engineering
F1070811 Zero emissions
F1070899 Other environmental engineering

F1070900 Nuclear Engineering
F1070901 Irradiation effect
F1070902 Safety assurance
F1070999 Other nuclear engineering

F1071000 Marine Engineering
F1071001 Coastal and offshore engineering
F1071002 Hydroinformatics
F1071003 Naval engineering
F1071004 Ocean engineering
F1071005 Ship and platform hydrodynamics
F1071006 Ship and platform structure
F1071007 Ship design and building
F1071008 Special vehicles
F1071009 Submersible vehicle
F1071099 Other marine engineering

F1071100 Industrial Engineering

CATEGORY GROUP AREA

F1071101 Ergonomic aspects
F1071102 Plant design
F1071103 Production engineering
F1071104 Quality assurance
F1071105 Work measurement
F1071199 Other industrial engineering

F1071200 Manufacturing and Production Engineering

F1071201 CAD/ CAM/ CAE applications
F1071202 Casting
F1071203 Collaborative engineering
F1071204 Computer integrated manufacturing
F1071205 Cutting tool technology
F1071206 Design for manufacturing and assembly
F1071207 Electrical discharge machining
F1071208 Elite machining
F1071209 Fabrication technology
F1071210 Flexible manufacturing systems
F1071211 Forging
F1071212 Foundry technology
F1071213 Grinding
F1071214 Laser machining
F1071215 Machining
F1071216 Metrology
F1071217 Nano technology
F1071218 Non-conventional machining
F1071219 Plastic moulding technology
F1071220 Polishing
F1071221 Powder metallurgy
F1071222 Precision engineering
F1071223 Product life cycle
F1071224 Rapid prototyping and tooling
F1071225 Reverse engineering
F1071226 Robotics and mechatronics
F1071227 Surface engineering
F1071228 Textile engineering
F1071229 Thixo-moulding
F1071230 Tool and die design and manufacturing
F1071231 Virtual manufacturing
F1071299 Other manufacturing and production engineering

F1071300 Automotive Engineering

F1071301 Air pollution control
F1071302 Automotive control
F1071303 Automotive design
F1071304 Automotive design and styling
F1071305 Automotive fuels
F1071306 Automotive ICT
F1071307 Automotive manufacturing
F1071308 Automotive prototyping
F1071309 Drivetrain engineering
F1071310 Engine management system
F1071311 Intelligent vehicle
F1071312 Materials
F1071313 Passenger comfort and human factors

CATEGORY GROUP AREA

F1071314 Powertrain engineering
F1071315 Traffic safety technology
F1071316 Valvetrain engineering
F1071317 Vehicle electronics
F1071318 Vehicle engineering
F1071399 Other automotive engineering

F1071400**Geomatic Engineering**

F1071401 Cartography
F1071402 Deformation monitoring
F1071403 Digital image processing
F1071404 Fast mapping
F1071405 Field astronomy
F1071406 Geodesy
F1071407 Geographic information system (GIS)
F1071408 Geometry, radiometry calibration analysis
F1071409 Global navigation satellite system (GNSS)
F1071410 Global positioning system (GPS)
F1071411 Hydrography
F1071412 Hyperspectra sensing
F1071413 Image understanding and analysis
F1071414 Industrial and automated measurement system
F1071415 Land information system (LIS)
F1071416 Laser measurement
F1071417 Microwave and radar sensing
F1071418 Modern surveying techniques
F1071419 Navigation and positioning system
F1071420 Oceanography
F1071421 Photogrammetry
F1071422 Real-time measurement system
F1071423 Remote sensing
F1071424 Robotic surveying technology
F1071425 Spatial data modelling and databasing
F1071426 Spatial information systems
F1071427 Surveying and mapping
F1071428 Synthetic aperture radar (SAR)
F1071429 Vehicle navigation and location
F1071430 Vision metrology
F1071499 Other geomatic engineering

F1071500**Materials Engineering and Metallurgy**

F1071501 Alloy materials
F1071502 Bio-material
F1071503 Building and construction materials
F1071504 Ceramics
F1071505 Composite materials
F1071506 Crystal
F1071507 Electronic materials
F1071508 Material recyclibility
F1071509 Metal
F1071510 Nano materials
F1071511 Physical metallurgy
F1071512 Plastics
F1071513 Polymers
F1071514 Powder metallurgy

CATEGORY GROUP AREA

F1071515 Process metallurgy
F1071516 Pulp and paper
F1071517 Smart materials
F1071518 Super alloy
F1071519 Synthetic materials
F1071520 Timber
F1071599 Other materials engineering and metallurgy

F1071600 Biomedical Engineering
F1071601 Biomaterials engineering
F1071602 Biomechanical engineering
F1071603 Bio-metrics
F1071604 Clinical engineering
F1071605 Diagnostic tools
F1071606 Medical electronics
F1071607 Rehabilitation engineering
F1071699 Other biomedical engineering

F1071700 Computer Hardware
F1071701 Arithmetic and logic structures
F1071702 Display technology
F1071703 High performance computers
F1071704 Input, output and data devices
F1071705 Logic design
F1071706 Memory structures
F1071707 Multi-processor
F1071708 Processor architectures
F1071709 Redundant Array of Independent Disks (RAID)
F1071799 Other computer hardware

F1071800 Communication Engineering
F1071801 Antenna technology
F1071802 Base band technology
F1071803 Broadband network technology
F1071804 Computer communications networks
F1071805 Digital systems
F1071806 Electro magnetic compatibility (EMC)
F1071807 Microwave and millimetrewave technology
F1071808 Modem technology
F1071809 Optical and photonic systems
F1071810 Radio communications and broadcasting
F1071811 Satellite communications
F1071812 Wireless technology
F1071899 Other communications engineering

F1071900 Process Design Engineering
F1071901 Design engineering
F1071902 Process simulation
F1071999 Others process design engineering

F1072000 Space Science and Engineering
F1072001 Celestial and orbital mechanics
F1072002 Experimental and scientific satellites
F1072003 Ionospheric and magnetospheric science
F1072004 Solar-terrestrial interaction

CATEGORY GROUP AREA

F1072005 Space launchers
F1072006 Space probes design and engineering
F1072099 Other space science and engineering

F1072100 Interdisciplinary Engineering

F1072101 Fluid mechanics
F1072102 Fluidisation
F1072103 Heat and mass transfer operations
F1072104 Nanotechnology
F1072105 System engineering
F1072106 Thermodynamics
F1072107 Turbulent flows
F1072199 Other interdisciplinary engineering

F1072200 Robotic Engineering

F1072201 Aerial
F1072202 Biologically-inspired robot
F1072203 Field robots
F1072204 Humanoids
F1072205 Intelligent robot
F1072206 Medical
F1072207 Space and planetary
F1072208 Telerobotics and virtual reality
F1072209 Underwater
F1072210 Web-based robots
F1072299 Other robotic engineering

F1079900 Other Engineering Sciences not Elsewhere Classified

F1080000

BIOLOGICAL SCIENCES

F1080100 Biochemistry

F1080101 Bioenergetics
F1080102 Carbohydrates
F1080103 Enzymology
F1080104 Immunology
F1080105 Lipids
F1080106 Membrane biology
F1080107 Metabolic pathways
F1080108 Neurochemistry
F1080109 Nucleic acids
F1080110 Proteins
F1080199 Other biochemistry

F1080200 Genetics

F1080201 Biochemical genetics
F1080202 Cell biology
F1080203 Comparative genetics
F1080204 Cytogenetics
F1080205 Developmental genetics
F1080206 Heredity
F1080207 Molecular genetics
F1080208 Mutagenesis
F1080209 Population genetics
F1080210 Recombinant DNA techniques
F1080299 Other genetics

CATEGORY GROUP AREA

| | |
|-----------------|--------------------------------------|
| F1080300 | Microbiology |
| F1080301 | Bacteriology |
| F1080302 | Microbial systematic |
| F1080303 | Mycology |
| F1080304 | Parasitology |
| F1080305 | Virology |
| F1080399 | Other microbiology |
| F1080400 | Botany |
| F1080401 | Economic botany |
| F1080402 | Phycology |
| F1080403 | Plant pathology |
| F1080404 | Plant systematic |
| F1080405 | Plant taxonomy |
| F1080499 | Other botany |
| F1080500 | Zoology |
| F1080501 | Anatomy |
| F1080502 | Animal systematics |
| F1080503 | Animal taxonomy |
| F1080504 | Entomology |
| F1080505 | Ethnology |
| F1080506 | Ethology |
| F1080507 | Herpetology |
| F1080508 | Histology |
| F1080509 | Ichthyology |
| F1080510 | Immunology |
| F1080511 | Invertebrates |
| F1080512 | Mammology |
| F1080513 | Neurobiology |
| F1080514 | Ornithology |
| F1080599 | Other zoology |
| F1080600 | Ecology |
| F1080601 | Ecological engineering |
| F1080602 | Estuarine ecology |
| F1080603 | Freshwater ecology |
| F1080604 | Karst ecology |
| F1080605 | Landscape ecology |
| F1080606 | Limnology |
| F1080607 | Mangrove ecology |
| F1080608 | Montane ecology |
| F1080609 | Palaeoecology |
| F1080610 | Population ecology |
| F1080611 | Social biology and behaviour ecology |
| F1080612 | Terrestrial ecology |
| F1080613 | Physiological ecology |
| F1080699 | Other ecology |
| F1080700 | Physiology |
| F1080701 | Animal physiology-biophysics |
| F1080702 | Animal physiology-cell |
| F1080703 | Animal physiology-systems |
| F1080704 | Comparative physiology |

CATEGORY GROUP AREA

F1080705 Insect physiology
F1080706 Microbial physiology
F1080799 Other physiology

F1080800**Biodiversity and Conservation**

F1080801 Bioethic and environmental ethic
F1080802 Biogeography
F1080803 Conservation genetics
F1080804 Ecosystem diversity
F1080805 Evolutionary biology
F1080806 Freshwater ecology
F1080807 Genetic diversity
F1080808 Landscape ecology
F1080809 Life history (incl. population ecology)
F1080810 Mapping, monitoring and modeling
F1080811 Palaeoecology
F1080812 Parks and protected areas conservation
F1080813 Phylogeography
F1080814 Socio-biology and behavioural ecology
F1080815 Species diversity
F1080816 Terrestrial ecology
F1080817 Wildlife conservation
F1080899 Other biodiversity and conservation

F1089900**Other Biological Sciences not Elsewhere Classified****F1090000****AGRICULTURAL SCIENCES****F1090100****Soil and Water Sciences**

F1090101 Drainage
F1090102 Irrigation
F1090103 Soil fertility
F1090104 Soil, land management and conservation
F1090105 Soil biology
F1090106 Soil chemistry
F1090107 Soil physics
F1090199 Other soil and water sciences

F1090200**Crop Production**

F1090201 Agronomy
F1090202 Crop ecophysiology
F1090203 Crop improvement
F1090204 Crop manipulation
F1090205 Crop nutrition
F1090206 Crop physiology
F1090207 Farm mechanisation
F1090208 Other crop and pasture production
F1090209 Pasture nutrition
F1090210 Pasture physiology
F1090211 Pests and diseases
F1090212 Pre and post harvest
F1090213 Production system
F1090214 Root studies
F1090215 Seed production
F1090216 Weed sciences
F1090299 Other crop production

CATEGORY GROUP AREA

| | |
|-----------------|------------------------------------|
| F1090300 | Horticulture |
| F1090301 | Floriculture |
| F1090302 | Fruit crops |
| F1090303 | Oenology |
| F1090304 | Ornamentals |
| F1090305 | Plantation crops |
| F1090306 | Vegetable |
| F1090399 | Other horticulture |
| F1090400 | Animal Production |
| F1090401 | Animal growth and development |
| F1090402 | Animal health |
| F1090403 | Animal husbandry |
| F1090404 | Animal nutrition |
| F1090405 | Animal pests and pathogens |
| F1090406 | Animal reproduction |
| F1090407 | Breeds and breeding |
| F1090499 | Other animal production |
| F1090500 | Veterinary Sciences |
| F1090501 | Anaesthesiology |
| F1090502 | Avian diseases |
| F1090503 | Bacteriology |
| F1090504 | Biologics |
| F1090505 | Clinical science |
| F1090506 | Epidemiology |
| F1090507 | Equine diseases |
| F1090508 | Immunochemistry |
| F1090509 | Immunologic diseases |
| F1090510 | Immunology |
| F1090511 | Medicine |
| F1090512 | Metabolic disorders |
| F1090513 | Neoplasm |
| F1090514 | Non-ruminant diseases |
| F1090515 | Nutritional diseases |
| F1090516 | Obstetrics and theriogenology |
| F1090517 | Parasitology |
| F1090518 | Pathology |
| F1090519 | Pet and domestic animal diseases |
| F1090520 | Pharmacology |
| F1090521 | Physiology |
| F1090522 | Public health and zoonosis |
| F1090523 | Radiology |
| F1090524 | Surgery |
| F1090525 | Therapeutics |
| F1090526 | Virology |
| F1090527 | Wildlife and zoo animal diseases |
| F1090599 | Other veterinary sciences |
| F1090600 | Pest and Disease Management |
| F1090601 | Biological control |
| F1090602 | Early warning system |
| F1090603 | Entomology |
| F1090604 | Good agricultural practices |

CATEGORY GROUP AREA

F1090605 Integrated pest management
F1090606 Mammology
F1090607 Nematology
F1090608 Pathology
F1090609 Pesticide application techniques
F1090610 Quarantine pest and treatment
F1090611 Virology
F1090699 Other pest and disease management

F1090700**Fisheries Sciences**

F1090701 Capture fisheries
F1090702 Fish stock assessment
F1090703 Fisheries ecology and conservation
F1090704 Fisheries sciences
F1090705 Inland fisheries
F1090706 Mapping, monitoring and modelling
F1090707 Marine fisheries
F1090708 Ornamental/ aquarium fish and plants
F1090709 Recreational fisheries
F1090799 Other fisheries sciences

F1090800**Food Science and Nutrition**

F1090801 Additives and contaminants
F1090802 Enzymes
F1090803 Food analysis
F1090804 Food chemistry
F1090805 Food emulsion products
F1090806 Food microbiology
F1090807 Food preservation
F1090808 Food processing
F1090809 Food quality
F1090810 Food safety
F1090811 Food security
F1090812 Food sensory evaluation
F1090813 Improvement of finish products
F1090814 Ingredients
F1090815 Nutrient bioability
F1090816 Nutrient composition of food
F1090817 Pilot testing and technology
F1090818 Product development
F1090819 Production modelling
F1090899 Other food science and nutrition

F1090900**Aquaculture**

F1090901 Aquaculture engineering
F1090902 Aquaculture mechanisation
F1090903 Aquatic environment
F1090904 Diseases of aquatic organisms
F1090905 Drug and chemical
F1090906 Effluent treatment and waste management
F1090907 Farming system and technology of aquatic organisms
F1090908 Fish nutrition
F1090909 Fish reproduction
F1090910 Genetic selection
F1090911 Husbandry of aquatic organisms

CATEGORY GROUP AREA

F1090999 Other aquaculture

F1091000**Plant Physiology**

F1091001 Growth regulators
F1091002 Leaf gas exchange
F1091003 Physicochemical assimilation
F1091004 Plant and water relation
F1091005 Post harvest physiology
F1091006 Radiation interception
F1091007 Reduction of juvenile period
F1091008 Seasonality
F1091009 Stress physiology
F1091010 Translocational studies
F1091099 Other plant physiology

F1091100**Animal Sciences**

F1091101 By-products (edible and non-edible)
F1091102 Dairy science and technology
F1091103 Livestock product
F1091104 Meat science and technology
F1091105 Pilot plant technology
F1091106 Poultry egg technology
F1091107 Product and ingredient technology
F1091108 Value-added product
F1091199 Other animal sciences

F1091200**Agricultural Information System and Technology**

F1091201 Crop modelling
F1091202 Geographic information system
F1091203 Geospatial information technology
F1091204 K-agriculture
F1091205 Precision farming
F1091206 Remote sensing
F1091299 Other agricultural information system and technology

F1091300**Agrobiodiversity and Conservation**

F1091301 Crop modelling
F1091302 Geographic information system
F1091303 Geospatial information technology
F1091304 K-agriculture
F1091305 Precision farming
F1091306 Remote sensing
F1091399 Other agrobiodiversity and conservation

F1099900**Other Agricultural Sciences not Elsewhere Classified****F1100000****MEDICAL AND HEALTH SCIENCES****F1100100****Immunology**

F1100101 Allergy
F1100102 Cellular immunology
F1100103 Humeral immunology
F1100104 Immunochemistry
F1100105 Immunogenetics
F1100106 Nutritional immunology
F1100107 Transplantation immunology

CATEGORY GROUP AREA

F1100108 Tumour immunology
F1100199 Other immunology

F1100200 Medical Biochemistry and Clinical Chemistry

F1100201 Anti-oxidants
F1100202 Carbohydrates
F1100203 Hormones
F1100204 Lipids
F1100205 Nucleic acids
F1100206 Proteins
F1100207 Vitamins
F1100299 Other medical biochemistry and clinical chemistry

F1100300 Medical Microbiology

F1100301 Bacteriology
F1100302 Mycology
F1100303 Parasitology
F1100304 Virology
F1100399 Other medical microbiology

F1100400 Pharmacology

F1100401 Clinical pharmacology
F1100402 Medical pharmacology
F1100403 Molecular pharmacology
F1100404 Radiopharmacology
F1100405 Therapeutics
F1100406 Toxicology
F1100407 Traditional medicine and natural product
F1100499 Other pharmacology

F1100500 Physiology

F1100501 Cell physiology
F1100502 Comparative physiology
F1100503 Exercise/ physical fitness
F1100504 Human biophysics
F1100505 Sports physiology
F1100506 Stress physiology
F1100507 Systems physiology
F1100599 Other physiology

F1100600 Neurosciences

F1100601 Autonomic nervous system
F1100602 Cell receptors
F1100603 Cellular nervous system
F1100604 Central nervous system
F1100605 Mechanism of tissue damage
F1100606 Molecular characterization
F1100607 Peripheral nervous system
F1100608 Sensory systems
F1100699 Other neurosciences

F1100700 Clinical Medicine

F1100701 Allergies
F1100702 Anaesthesiology
F1100703 Carcinogenesis

CATEGORY GROUP AREA

F1100704 Cardiology
F1100705 Clinical psychology
F1100706 Dermatology
F1100707 Emergency medicine
F1100708 Endocrinology
F1100709 Forensic
F1100710 Gastroenterology
F1100711 Geriatrics
F1100712 Gynaecology
F1100713 Haematology
F1100714 Infectious/ communicable diseases
F1100715 Intensive care
F1100716 Medical genetics
F1100717 Neonatology
F1100718 Nephrology
F1100719 Neurology
F1100720 Neuromuscular diseases
F1100721 Nuclear medicine
F1100722 Obstetrics
F1100723 Occupational therapy
F1100724 Oncology
F1100725 Ophthalmology
F1100726 Orthopaedics
F1100727 Otolaryngology
F1100728 Paediatrics
F1100729 Pathology
F1100730 Physical therapy
F1100731 Psychiatry
F1100732 Radiology
F1100733 Radiotherapy
F1100734 Rehabilitation
F1100735 Reproduction
F1100736 Respiratory diseases
F1100737 Rheumatology
F1100738 Surgery
F1100739 Traumatology
F1100740 Urology
F1100741 Venereology
F1100799 Other clinical medicine

F1100800 Public Health, Environmental and Occupational Health and Safety Research

F1100801 Air quality
F1100802 Drinking water quality
F1100803 Environmental protection and health impact
F1100804 Epidemiology
F1100805 Health and safety (occupational)
F1100806 Health information systems
F1100807 Injuries
F1100808 Mental health
F1100809 Noise pollution
F1100810 Preventive medicine
F1100811 Primary health care
F1100812 Radiation health and safety
F1100813 Urban and rural health

CATEGORY GROUP AREA

F1100814 Vaccination
F1100815 Vector borne diseases
F1100816 Waste water management
F1100899 Other public health, environmental and occupational health and safety research

F1100900 Nutrition (Clinical and Public Health Research)

F1100901 Clinical nutrition
F1100902 Food services
F1100903 Functional foods
F1100904 Nutrient and micronutrient deficiencies
F1100905 Nutrient requirement
F1100906 Nutrition promotion and education
F1100907 Nutrition related chronic diseases
F1100908 Nutrition related to performance and mental health
F1100909 Nutrition transition
F1100910 Nutritional databases
F1100999 Other nutrition (clinical and public health research)

F1101000 Health Services Research (Including Bioethics)

F1101001 Bioethics
F1101002 Health care administration
F1101003 Health economics
F1101004 Health education and promotion
F1101005 Health systems management
F1101006 Mortality and morbidity studies
F1101007 Screening
F1101008 Telemedicine
F1101099 Other health services research

F1101100 Health Care System, Industries and Technologies

F1101101 Biomechanics
F1101102 Burden of disease
F1101103 Continuous quality improvement
F1101104 Delivery systems
F1101105 Equity
F1101106 Health care financing
F1101107 Health information management
F1101108 Health legislation
F1101109 Health outcomes
F1101110 Health policy analysis
F1101111 Health rehabilitation service
F1101112 Health technology assessments
F1101113 home care services
F1101114 Human resource development
F1101115 Innovative technology
F1101116 Medical biotechnology
F1101117 Programme evaluation
F1101118 Quality assurance of health instruments
F1101119 Quality of life
F1101120 Standards and calibration
F1101199 Other health care system, industries and technologies

F1101200 Pharmaceutical Industry

F1101201 Botanical pesticides

CATEGORY GROUP AREA

F1101202 Natural products
F1101203 Nutraceuticals
F1101204 Personal care products and cosmetics
F1101205 Photochemical
F1101206 Phytochemicals
F1101207 Purification technology
F1101208 Screening technology
F1101209 Synthesis technology
F1101299 Other pharmaceutical industry

F1101300 Complimentary/ Alternative Medicine

F1101301 Clinical research
F1101302 Education
F1101303 Information management
F1101304 Natural therapy
F1101305 Quality and safety
F1101306 Sociological research
F1101307 Traditional medicine and natural products
F1101399 Other complimentary/ alternative medicine

F1101400 Pharmacy

F1101401 Bioassay methods
F1101402 Biopharmacy
F1101403 Clinical pharmacy
F1101404 Drug discovery
F1101405 Medicinal chemistry
F1101406 Nuclear pharmacy
F1101407 Pharmaceutical biotechnology
F1101408 Pharmaceutical technology
F1101409 Pharmaco-economics
F1101410 Pharmaco-genomic
F1101411 Pharmacognosy
F1101412 Pharmacokinetics
F1101413 Social pharmacy
F1101499 Other pharmacy

F1101500 Speech and Language Pathology

F1101501 Epidemiology of speech and language pathology
F1101502 Linguistic analysis of language pathology
F1101503 Multicultural and cross-cultural aspects of language pathology
F1101504 Normal speech and language developments
F1101505 Speech and language assessments/ tests/ therapy materials
F1101599 Other speech and language pathology

F1101600 Optometry

F1101601 Binocular vision
F1101602 Clinical contact lens care
F1101603 Clinical optometry
F1101604 Low vision
F1101605 Opto-optical sciences
F1101606 Refractive disorders
F1101607 Vision sciences
F1101608 Vision therapy
F1101609 Visual development
F1101699 Other optometry

CATEGORY GROUP AREA

| | |
|-----------------|-------------------------------------|
| F1101700 | Audiology |
| F1101701 | Auditory processing |
| F1101702 | Cochlear hair cells function |
| F1101703 | Development of diagnostic materials |
| F1101704 | Diagnostic audiology |
| F1101705 | Epidemiological studies |
| F1101706 | Hearing conservation |
| F1101707 | Hearing psychology |
| F1101708 | Industrial audiology |
| F1101709 | Presbycusis |
| F1101710 | Psychoacoustics |
| F1101711 | Rehabilitative audiology |
| F1101799 | Other audiology |
| F1101800 | Medical Diagnostic Imaging |
| F1101801 | Computed tomography (CT scan) |
| F1101802 | Image construction and management |
| F1101803 | Mammography |
| F1101804 | Medical instrumentation |
| F1101805 | Medical physics |
| F1101806 | Magnetic resonance imaging (MRI) |
| F1101807 | Nuclear medicine |
| F1101808 | Radiology |
| F1101809 | Ultrasound |
| F1101899 | Other medical diagnostic imaging |
| F1101900 | Radiotherapy |
| F1101901 | Medical physics |
| F1101902 | Radiation biology |
| F1101903 | Radiation biophysics |
| F1101904 | Radiation physics |
| F1101905 | Tissue/ tumour sensitisation |
| F1101906 | Tissue biophysics |
| F1101907 | Tissue protection |
| F1101999 | Other radiotherapy |
| F1102000 | Anatomy |
| F1102001 | Comparative anatomy |
| F1102002 | Cytology |
| F1102003 | Histology |
| F1102004 | Technique and instrumentation |
| F1102099 | Other anatomy |
| F1102100 | Dentistry |
| F1102101 | Children's dentistry |
| F1102102 | Community dentistry |
| F1102103 | Conservative dentistry |
| F1102104 | Dental materials |
| F1102105 | Dental technology |
| F1102106 | Dentistry support |
| F1102107 | Forensic dentistry |
| F1102108 | Geriatric dentistry |
| F1102109 | Implantology |
| F1102110 | Oral and maxillofacial surgery |

CATEGORY GROUP AREA

F1102111 Oral biology
F1102112 Oral pathology
F1102113 Orthodontics
F1102114 Orthognathic surgery
F1102115 Periodontology
F1102116 Prosthetics dentistry
F1102199 Other fields of dentistry

F1102200**Nursing**

F1102201 Cardiology
F1102202 CCU/ ICU
F1102203 Complimentary/ alternative medicine in nursing
F1102204 Ear, nose and troat (ENT)
F1102205 Environment health
F1102206 Gerontology
F1102207 Heamatology
F1102208 HIV/ AIDS
F1102209 Hospice care
F1102210 Immunology
F1102211 Industrial nursing
F1102212 Medical
F1102213 Mental health
F1102214 Neonatal
F1102215 Nephrology
F1102216 Neurology/ neurosurgery
F1102217 Nutrition
F1102218 O and G / midwifery
F1102219 Oftalmology
F1102220 Oncology
F1102221 Orthopedic
F1102222 Palliative care
F1102223 Pediatric
F1102224 Perioperative
F1102225 Plastic surgery
F1102226 Public/ community health
F1102227 Rehabilitation
F1102228 Surgical
F1102229 Transreligious/ transcultural nursing
F1102230 Trauma
F1102231 Urology
F1102299 Other nursing

F1102300**Nursing Education**

F1102301 Continuous nursing education
F1102302 Curriculum development
F1102303 Curriculum evaluation
F1102304 Health education
F1102305 Programme assesment
F1102306 Students evaluation
F1102307 Tests psychometric
F1102399 Other nursing education

F1102400**Nursing Management**

F1102401 Clinical pathway
F1102402 Health administration

CATEGORY GROUP AREA

F1102403 Health care financing/ economic
F1102404 Health outcome
F1102405 Health policy
F1102406 Health system management
F1102407 Health technology
F1102408 Law and ethics
F1102409 Leadership
F1102410 Nursing audit
F1102411 Nursing advocacy
F1102412 Personal professional development
F1102413 Quality assurance
F1102414 Tele-medicine
F1102499 Other nursing management

F1109900 Other Medical and Health Sciences not Elsewhere Classified

F1110000**ENVIRONMENTAL SCIENCES****F1110100 Environmental Issues and Assessment**

F1110101 Agrowaste
F1110102 Air Pollution
F1110103 Aquatic environment
F1110104 Climate change
F1110105 Environmental impact assesment (EIA)
F1110106 Environmental protection
F1110107 Groundwater contamination
F1110108 Heavy metal waste
F1110109 Natural ecosystem
F1110110 Noise pollution
F1110111 Nutrient removal process
F1110112 Ozone depletion
F1110113 Radioactive waste
F1110114 Remote sensing
F1110115 Sediment transport and silting
F1110116 Toxic and hazardous waste
F1110117 Waste water
F1110118 Water pollution
F1110119 Water quality simulation modelling
F1110120 Water resources study
F1110199 Other environmental issues and assesment

F1110200 Environment Technology/ Industry

F1110201 Biodegradable packaging
F1110202 Cloud seeding technology
F1110203 Environmental friendly products and technologies
F1110204 Gaseous treatment
F1110205 Geographical information system (GIS)
F1110206 Incineration
F1110207 Integrated system and building
F1110208 Landscape technology
F1110209 Organic waste treatment
F1110210 Pollution control products
F1110211 Pollution sensing devices
F1110212 Reduction of bad-odour
F1110213 Reduction of noise and vibration
F1110214 Steep slopes and hill development technology

CATEGORY GROUP AREA

F1110215 Tropicalisation of products and process
F1110216 Water and wastewater treatment technology
F1110217 Zero-discharge technologies
F1110299 Other environment technology/ industry

F1110300 Environmental Management and Bioremediation

F1110301 Catchment management
F1110302 Disaster management
F1110303 Drinking water quality standards
F1110304 Drought management
F1110305 Environmental risk assessment and bionomics
F1110306 Environmental standards
F1110307 Soil bioremediation
F1110308 Solid waste management
F1110309 Storm water management
F1110310 Waste bioremediation
F1110311 Waste management
F1110399 Other environmental management and bioremediation

F1119900 Environmental Management and Bioremediation

F1120000

MATERIAL SCIENCES

F1120100 Electronic Materials

F1120101 Electro-active polymers
F1120102 Electrochemical materials
F1120103 Electronic packaging materials
F1120104 Magnetic materials
F1120105 Molecular electronics
F1120106 Optoelectronic materials
F1120107 Semiconductor materials
F1120108 Superconductor materials
F1120109 Thin-film dielectrics
F1120199 Other electronic materials

F1120200 Functional Materials

F1120201 Adhesives
F1120202 Bio-compatible materials
F1120203 Catalyst
F1120204 Coating
F1120205 Display materials
F1120206 Ear mould materials
F1120207 Electrochromic materials
F1120208 Hard and brittle materials
F1120209 Magnetic materials
F1120210 Optical materials
F1120211 Soft and brittle materials
F1120299 Other functional materials

F1120300 Polymeric Materials

F1120301 Adhesive, coating and ink
F1120302 Bio-polymers
F1120303 Conducting polymers
F1120304 Elastomers
F1120305 Inorganic polymers
F1120306 Membranes

CATEGORY GROUP AREA

F1120307 Polymer composites
F1120308 Polymer electrolytes
F1120309 Thermoplastic
F1120399 Other polymeric materials

F1120400 Advanced Materials
F1120401 Bio-compatible materials
F1120402 Ceramics
F1120403 Composite materials
F1120404 Electro-active ceramics
F1120405 Epitaxy
F1120406 Metals and metal alloy materials
F1120407 Nano-materials
F1120408 Photonics materials
F1120409 Polymer compounds
F1120410 Textile compounds
F1120499 Other advanced materials

F1129900 Other Material Science not Elsewhere Classified

F1130000**MARINE SCIENCES**

F1130100 Marine Biology

F1130101 Breeding of marine organisms
F1130102 Culture of marine organisms
F1130199 Other marine biology

F1130200 Marine Biotechnology

F1130201 Development of marine pharmaceutical products
F1130202 Marine products biotechnology
F1130299 Other marine biotechnology

F1130300 Marine Technology

F1130301 Biofouling/ structural deterioration
F1130302 Fishing gear technology
F1130303 Remote sensing and GIS
F1130399 Other marine technology

F1130400 Marine Biochemistry

F1130401 Marine natural products
F1130402 Marine bioproducts synthesis
F1130499 Other marine biochemistry

F1130500 Marine Ecology

F1130501 Ecotourism
F1130502 Marine conservation
F1130599 Other marine ecology

F1130600 Marine Toxicology

F1130601 Harmful Algal Blooms (HABs) and toxins
F1130602 Marine poisonous organisms
F1130699 Other marine toxicology

F1130700 Oceanography

F1130701 Biological oceanography
F1130702 Chemical oceanography

| CATEGORY | GROUP | AREA |
|----------|-------|------|
|----------|-------|------|

F1130703 Fisheries oceanography
 F1130704 Geological oceanography
 F1130705 Marine pollution
 F1130706 Oceanography instrumentation
 F1130707 Physical oceanography
 F1130708 Satellite oceanography
 F1130799 Other oceanography

F1139900 Other Marine Sciences not Elsewhere Classified

F1140000

FORESTRY SCIENCES

F1140100 Forest Engineering and Operation

F1140101 Harvesting system design
 F1140102 Minimal impact logging
 F1140103 Road design
 F1140104 Surveying techniques
 F1140199 Other forest engineering and operation

F1140200 Forestry Information System and Technology

F1140201 Geographical Information System (GIS)
 F1140202 Geospatial information technology
 F1140203 Precision forestry
 F1140204 Remote sensing
 F1140299 Other forestry information system and technology

F1140300 Biodiversity and Conservation

F1140301 Coastal zone management
 F1140302 Genetic diversity
 F1140303 Hill and mountain forests
 F1140304 Inventory and documentation
 F1140305 Lowland forests
 F1140306 Wetlands
 F1140399 Other biodiversity and conservation

F1140400 Pest and Disease Management

F1140401 Biological control
 F1140402 Entomology
 F1140403 Integrated Pest Management
 F1140404 Mammology
 F1140405 Nematology
 F1140406 Pathology
 F1140407 Virology
 F1140499 Other pest and disease management

F1140500 Agroforestry

F1140501 Cropping system
 F1140502 Soil compaction
 F1140503 Sustainable production
 F1140599 Other agroforestry

F1140600 Forest Management

F1140601 Fire planning and control
 F1140602 Forest ecology
 F1140603 Forest inventory
 F1140604 Silviculture

CATEGORY GROUP AREA

F1140605 Soil and land improvement
F1140606 Wildlife management
F1140699 Other forest management

F1140700 Tree Improvement

F1140701 Breeding
F1140702 Micropropagation techniques
F1140703 Seed technology
F1140799 Other tree improvement

F1140800 Wood and Non Wood Forest Products

F1140801 Bamboo and rattans
F1140802 Medicinal plants
F1140803 Wood processing
F1140804 Wood sciences
F1140805 Wood utilization
F1140899 Other wood and non wood forest products

F1149900 Other Forestry Sciences not Elsewhere Classified

F1150000

BIOTECHNOLOGY

F1150100 Molecular Biology

F1150101 Gene isolation
F1150102 Gene probes
F1150103 Gene transformation
F1150104 Genomic
F1150105 Microarray
F1150106 Molecular and structural biology
F1150107 Polyploidization
F1150108 Proteomics
F1150109 Semantic dicaryotization
F1150110 Transgenic studies
F1150199 Other molecular biology

F1150200 Plant Biotechnology

F1150201 Anther culture
F1150202 Artificial seeds
F1150203 Cryopreservation
F1150204 Micropropagation
F1150205 Molecular marker
F1150206 Post harvest technology
F1150207 Protoplast technology
F1150208 Tissue culture
F1150209 Transgenic plant
F1150299 Other plant biotechnology

F1150300 Animal Biotechnology

F1150301 Biofeed
F1150302 Cell line culture
F1150303 Cloning
F1150304 Cryopreservation
F1150305 Diagnostic
F1150306 Feed and nutrition
F1150307 Reproduction
F1150308 Transgenic animal

CATEGORY GROUP AREA

F1150309 Vaccine
F1150399 Other animal biotechnology

F1150400 Industrial and Environmental Biotechnology

F1150401 Biocontrol agent
F1150402 Bioconversion
F1150403 Biofertilizer
F1150404 Biofuel
F1150405 Bioplastic
F1150406 Bioprocess design
F1150407 Bioremediation
F1150408 Bioseparation
F1150409 Cell culture technology
F1150410 Composting
F1150411 Design technology
F1150412 Downstream processing
F1150413 Enzyme technology
F1150414 Fermentation technology
F1150415 Immobilized technology
F1150416 Product recovery
F1150417 Solid substrate technology
F1150499 Other industrial and environmental biotechnology

F1150500 Medical Biotechnology

F1150501 Diagnostics
F1150502 Gene therapy
F1150503 Graft engineering
F1150504 Human/ population genetics
F1150505 Pharmacogenomics
F1150506 Stem cell technology
F1150507 Vaccines
F1150599 Other medical biotechnology

F1150600 Forensic Biotechnology

F1150601 Databasing
F1150602 DNA archiving
F1150603 DNA damage
F1150604 DNA probe technology
F1150605 Forensic genetics
F1150606 Forensic statistics
F1150607 Human identification systems
F1150608 Population genetics
F1150699 Other forensic biotechnology

F1150700 Food Biotechnology

F1150701 Algal products
F1150702 Bioconversion
F1150703 Bioprocessing
F1150704 Bioreactor
F1150705 Cell culture technology
F1150706 Enzyme technology
F1150707 Immobilized technology
F1150708 Microbial technology
F1150709 Mushroom products
F1150710 Nutraceuticals

CATEGORY GROUP AREA

F1150711 Post harvest technology
F1150712 Product recovery
F1150713 Submerged fermentation
F1150799 Other food biotechnology

F1150800 Biopharmacy Biotechnology

F1150801 Biopharmaceuticals
F1150802 Biopharming
F1150803 Drug discovery
F1150804 Pharmacogenomics
F1150805 Transgenic
F1150899 Other biopharmacy biotechnology

F1150900 Marine Biotechnology

F1150901 Algae
F1150902 Biopharmaceuticals
F1150903 Cryopreservation
F1150999 Other marine biotechnology

F1151000 Bioinformatics

F1151001 Data mining
F1151002 Gene bank
F1151003 Networking
F1151004 Protein bank
F1151005 Software development
F1151099 Other bioinformatics

F1151100 Biosafety and Bioethics

F1151101 Eugenics
F1151102 Public awareness
F1151103 Risk assessment
F1151104 Risk management
F1151199 Other biosafety and bioethics

F1159900 Other Biotechnology not Elsewhere Classified

DIVISION 2 : SOCIAL SCIENCES, HUMANITIES AND BUSINESS/ECONOMIC AND ADMINISTRATION

F2010000

SOCIAL SCIENCES

F2010100

Political Sciences and Public Policy

F2010101 Comparative politics
F2010102 Conflict resolution
F2010103 Federalism
F2010104 Foreign policy
F2010105 International relations
F2010106 Islamic political system
F2010107 Local government studies
F2010108 Policy studies
F2010109 Political theory and political philosophy
F2010110 Public policy and administration
F2010111 Strategic studies
F2010199 Other political sciences and public policy

CATEGORY GROUP AREA

| | |
|-----------------|--|
| F2010200 | Habitat and Human Settlement |
| F2010201 | Community development |
| F2010202 | Islamic architecture and urbanism |
| F2010203 | Regional planning |
| F2010204 | Rural studies |
| F2010205 | Social housing |
| F2010206 | Urban planning and management |
| F2010207 | Urban studies |
| F2010299 | Other habitat and human settlement |
| F2010300 | Sociology |
| F2010301 | Class studies |
| F2010302 | Collective action and social change |
| F2010303 | Community organization |
| F2010304 | Community research |
| F2010305 | Comparative government |
| F2010306 | Criminology |
| F2010307 | Developmental sociology |
| F2010308 | Deviance and social control |
| F2010309 | Future studies |
| F2010310 | Gender studies |
| F2010311 | Gerontology |
| F2010312 | Industrial sociology |
| F2010313 | Islamisation of sociology |
| F2010314 | Marginal and minority relations |
| F2010315 | Migration |
| F2010316 | Modernity studies |
| F2010317 | Multiethnic and pluralism |
| F2010318 | Nation building |
| F2010319 | Political theory and political philosophy |
| F2010320 | Poverty, social welfare, and social policy |
| F2010321 | Research methodology |
| F2010322 | Social classes and stratification |
| F2010323 | Social impact assessment |
| F2010324 | Social movement |
| F2010325 | Social theory |
| F2010326 | Social trend and indicator |
| F2010327 | Social work and administration |
| F2010328 | Sociology of child and youth |
| F2010329 | Sociology of development |
| F2010330 | Sociology of disaster |
| F2010331 | Sociology of education |
| F2010332 | Sociology of religion |
| F2010333 | Sociology of work |
| F2010334 | Sociology on local-global relations |
| F2010335 | Urban sociology and community studies |
| F2010399 | Other sociology |
| F2010400 | Archaeology and History |
| F2010401 | Archaeology and classical study |
| F2010402 | Marine archaeology |
| F2010403 | Material culture |
| F2010404 | Museum and archives management |
| F2010405 | Palaeography |
| F2010406 | Prehistory |

CATEGORY GROUP AREA

F2010407 Preservation and conservation
F2010499 Other archaeology and history

F2010500**Geography**

F2010501 Economic geography
F2010502 Environmental geography
F2010503 Geographical information system (GIS)
F2010504 Natural resource
F2010505 Regional geography
F2010506 Remote sensing
F2010507 Social and cultural geography
F2010508 Transportation economics
F2010509 Urban morphology
F2010599 Other geography

F2010600**Population and Demographic Studies**

F2010601 Ageing
F2010602 Family and household studies
F2010603 Fertility trends
F2010604 Migration
F2010605 Morbidity trends
F2010606 Mortality trends
F2010607 Population policy
F2010699 Other population and demographic studies

F2010700**Law**

F2010701 Adat law
F2010702 Adjudication
F2010703 Administrative law
F2010704 Civil law
F2010705 Commercial law
F2010706 Comparative law
F2010707 Constitutional law
F2010708 Contract law
F2010709 Copyrights
F2010710 Corporations and associations law
F2010711 Counselling and mediation
F2010712 Criminal law
F2010713 Customary law
F2010714 Cyber law
F2010715 Diet and torts law
F2010716 Environmental law
F2010717 Equity law
F2010718 Family law
F2010719 Governance
F2010720 Human rights
F2010721 Indigenous law
F2010722 Intellectual property
F2010723 International law
F2010724 Islamic family law
F2010725 Jurisprudence
F2010726 Justice system
F2010727 Labour law
F2010728 Land law
F2010729 Law and literature

CATEGORY GROUP AREA

F2010730 Legal history
F2010731 Legal practice and ethics
F2010732 Maritime law
F2010733 Natural resources law
F2010734 Patents
F2010735 Planning law
F2010736 Property law and conveyancing (excl. intellectual property)
F2010737 Space and outerspace law
F2010738 Syariah law
F2010739 Taxation law
F2010740 Transport law
F2010741 Trust law
F2010799 Other law

F2010800**Psychology**

F2010801 Abnormal psychology
F2010802 Biological psychology
F2010803 Clinical psychology
F2010804 Cognitive psychology
F2010805 Comparative psychology
F2010806 Counselling and psychotherapy
F2010807 Developmental psychology
F2010808 Forensic psychology
F2010809 Islamic psychology
F2010810 Neuropsychology forensic psychology
F2010811 Organisational and industrial psychology
F2010812 Performance and perception
F2010813 Performance and perception
F2010814 Personality, abilities and assessment
F2010815 Psychological assessment
F2010816 Psychological methodology, design and analysis
F2010817 Psychometrics
F2010818 Psychopharmacology
F2010819 Sensory and perception
F2010820 Social and community psychology
F2010899 Other psychology

F2010900**Education**

F2010901 Continuing professional education
F2010902 Corporatisation
F2010903 Curriculum development
F2010904 Distance learning
F2010905 Education counselling
F2010906 Education polisi, management and administration
F2010907 Education structure
F2010908 Educational psychology
F2010909 Educational technology and media
F2010910 e-learning
F2010911 Ethics and moral education
F2010912 History and philosophy of education
F2010913 Life-long education
F2010914 Mainstreaming of special groups
F2010915 Non-formal education
F2010916 Philosophy of education
F2010917 Pre-school education

CATEGORY GROUP AREA

F2010918 Private and public education
F2010919 Professional teacher development
F2010920 Sociology of education
F2010921 Special education
F2010922 Teacher education
F2010923 Tertiary education
F2010999 Other education

F2011000 Media and Communications

F2011001 Advertising
F2011002 Broadcasting
F2011003 Censorship
F2011004 Cinema
F2011005 Film and video
F2011006 Film directing
F2011007 Information management
F2011008 Information studies
F2011009 International communications
F2011010 Interpersonal communications
F2011011 Investor relation
F2011012 Journalism
F2011013 Librarianship
F2011014 Multimedia
F2011015 Persuasion
F2011016 Political communications
F2011017 Public relation
F2011018 Telecommunication
F2011099 Other media and communication studies

F2011100 Anthropology

F2011101 Ethnography
F2011102 Indigenous people
F2011103 Linguistics anthropology
F2011104 Medical anthropology
F2011105 Minority groups
F2011106 Nutritional anthropology
F2011107 Orang asli
F2011108 Physical and biological anthropology
F2011109 Social and cultural anthropology
F2011110 Social anthropology
F2011199 Other anthropology

F2011200 Professional Development of Law Practitioners

F2011201 Adjudication
F2011202 Legal education
F2011203 Legal practice
F2011204 Professional ethics
F2011299 Other professional development of law practitioners

F2011300 Law Enforcement

F2011301 Correctional theory and services; penology
F2011302 Criminology
F2011303 Detection and prevention of crime; security services
F2011304 Evidence and procedure
F2011305 Forensic science

CATEGORY GROUP AREA

F2011306 Police administration, procedures and practice
F2011399 Other law enforcement

F2011400**Social Work**

F2011401 Clinical social work practice
F2011402 Counselling, welfare and community services
F2011403 Social policy
F2011404 Social program evaluation
F2011499 Other social work

F2011500**Cognitive Science**

F2011501 Computer perception, memory and attention
F2011502 Knowledge representation and machine learning
F2011503 Linguistics process
F2011504 Neurocognitive patterns and neural networks
F2011505 Nutrition and cognitive function
F2011506 Philosophy of cognition
F2011507 Planning and problem solving
F2011599 Other cognitive science

F2019900**Other Social Sciences not Elsewhere Classified****F2020000****HUMANITIES****F2020100****Linguistics and Literature**

F2020101 Applied linguistics
F2020102 Asian and other muslim languages
F2020103 Asian literature
F2020104 Clinical linguistics
F2020105 Comparative literature
F2020106 Computational linguistics
F2020107 Dialects
F2020108 Discourse and pragmatics
F2020109 Educational linguistics
F2020110 Endangered language
F2020111 Genre studies (literature)
F2020112 Laboratory phonetics and speech science
F2020113 Language in culture and society (sociolinguistics)
F2020114 Language in time and space (incl. historical linguistics, dialectology)
F2020115 Lexicography
F2020116 Linguistic structures (incl. grammar, phonology, lexicon, semantics)
F2020117 Linguistics structure
F2020118 Literary theory
F2020119 Malay language
F2020120 Malay literature
F2020121 Malaysian languages
F2020122 Malaysian literature
F2020123 Semantics
F2020124 Translation
F2020125 World language studies
F2020126 World literature studies
F2020199 Other linguistics and literature

F2020200**Historical and Civilisation Studies**

F2020201 Archaeological science
F2020202 Archaeology of agricultural and pastoral societies

CATEGORY GROUP AREA

F2020203 Archaeology of complex societies: Asia, Africa Oceania and the Americas
F2020204 Archaeology of complex societies: Europe, the Mediterranean and the Levant
F2020205 Archaeology of hunter-gathered societies (incl. pleistocene archaeology)
F2020206 Biography
F2020207 Constitutional history of Malaysia
F2020208 Cultural history
F2020209 Development of administration
F2020210 Economic and commercial history of Malaysia
F2020211 Emergence of the third world
F2020212 Foreign policy
F2020213 Historical archaeology (incl. industrial archaeology)
F2020214 History of civilisations
F2020215 History of local government of Malaysia
F2020216 History of political development in Malaysia
F2020217 Malay historiography
F2020218 Malay society
F2020219 Malay world
F2020220 Maritime archaeology
F2020221 Methods and ideas of history
F2020222 Muslim history
F2020223 Muslim society
F2020224 Nationalism in Southeast Asia and Malaysia
F2020225 Prehistory of Southeast Asia
F2020226 World historical studies
F2020299 Other historical and civilisation studies

F2020300**Philosophy**

F2020301 Aesthetics
F2020302 Applied ethics (incl. bioethics and environmental ethics)
F2020303 Applied philosophy
F2020304 Comparative philosophy
F2020305 Epistemology
F2020306 Ethical theory
F2020307 Ethics
F2020308 Hermeneutic theory
F2020309 History and philosophy of ideas
F2020310 Islamisation of knowledge
F2020311 Logic
F2020312 Metaphysics
F2020313 Phenomenology
F2020314 Philosophy of action
F2020315 Philosophy of language
F2020316 Philosophy of minds
F2020317 Philosophy of specific culture
F2020318 Social philosophy
F2020399 Other philosophy

F2020400**Arts and Culture**

F2020401 Aboriginal culture studies
F2020402 Ceramic arts
F2020403 Consumption and everyday life
F2020404 Costumes
F2020405 Cultural policy studies

CATEGORY GROUP AREA

F2020406 Cultural theory
F2020407 Culture, gender and sexuality
F2020408 Design studies
F2020409 Drama
F2020410 Filming tradition
F2020411 Islamic calligraphy
F2020412 Metal handicraft arts and tradition
F2020413 Multicultural, intercultural and cross-cultural studies
F2020414 Popular culture
F2020415 Post and colonial and global culture studies
F2020416 Screen and media culture
F2020417 Theatre
F2020418 Traditional arts and culture
F2020419 Traditional performing arts
F2020420 Weaving, batik and dress traditional
F2020421 Wood carving tradition
F2020499 Other arts and culture

F2020500**Religious Studies**

F2020501 Buddhist studies
F2020502 Christian theology (incl. biblical studies and church history)
F2020503 Comparative religion
F2020504 Deviance
F2020505 Hindu studies
F2020506 Ijtihad and tajdid (religious revivalism)
F2020507 Islamic studies
F2020508 Jewish studies
F2020509 Missionary and propagation studies
F2020510 Moral (akhlaq)
F2020511 Philosophy of religion
F2020512 Psychology of religion
F2020513 Quranic and hadis studies
F2020514 Religion and civilisation
F2020515 Religion and modernisation
F2020516 Religion and society
F2020517 Religious education
F2020518 Religious issues
F2020519 Studies in other religious traditions
F2020520 Ummatic studies
F2020599 Other religious studies

F2020600**Performing Arts and music**

F2020601 Indigenous performing arts and music
F2020602 Modern dances
F2020603 Modern music
F2020604 Traditional/ classical dances
F2020605 Traditional/ classical music
F2020699 Other performing arts and music

F2020700**Visual Arts and Crafts**

F2020701 Crafts
F2020702 Fine arts sculpture and painting
F2020703 Graphics arts
F2020704 Photography
F2020799 Other visual arts and crafts

CATEGORY GROUP AREA

F2020800 History and Philosophy of Sciences and Medicine
F2020801 History and philosophy of medicine
F2020802 History and philosophy of science and technology
F2020803 Sociology and social studies of science and technology
F2020899 Other history and philosophy of science and medicine

F2020900 Clinical linguistics
F2020901 Clinical morphology and syntax
F2020902 Clinical phonetics and phonology
F2020903 Clinical semantics and pragmatics
F2020904 Preceptual analysis
F2020905 Profiles of clinical data
F2020999 Other clinical linguistics

F2029900 Other Humanities not Elsewhere Classified

F2030000

ECONOMICS, BUSINESS AND MANAGEMENT

F2030100 Accounting
F2030101 Accountability
F2030102 Accounting education
F2030103 Accounting history
F2030104 Accounting information systems
F2030105 Accounting regulation
F2030106 Accounting standards
F2030107 Auditing
F2030108 Behavioural accounting
F2030109 Bicameral accounting
F2030110 Corporate governance
F2030111 Financial accounting
F2030112 Financial reporting
F2030113 Forensic accounting
F2030114 Human resource accounting
F2030115 International accounting
F2030116 Islamic accounting
F2030117 IT and accounting
F2030118 Management accounting
F2030119 Natural resource accounting
F2030120 Not-for-profit accounting
F2030121 Private sector accounting
F2030122 Public sector accounting
F2030123 Social responsibility accounting
F2030124 Taxation
F2030125 Zakat accounting
F2030199 Other accounting

F2030200 Economics/ Applied Economic
F2030201 Agricultural economics
F2030202 Economic development and growth
F2030203 Economic geography
F2030204 Economic history
F2030205 Economic modelling and forecasting
F2030206 Environmental economics
F2030207 Finance economics
F2030208 Globalisation

CATEGORY GROUP AREA

F2030209 Health economics
F2030210 Industrial economics
F2030211 Industrial organization
F2030212 International economics
F2030213 International finance
F2030214 Islamisation of economic institutions
F2030215 Labour economics
F2030216 Macroeconomics (incl. monetary and fiscal theory)
F2030217 Natural resource economics
F2030218 Public finance
F2030219 Public sector economics
F2030220 Regional economics
F2030221 Resource economics
F2030222 Transport economics
F2030223 Urban and regional economics
F2030224 Welfare economics
F2030299 Other economics/ applied economics

F2030300 Economic Theory

F2030301 Macroeconomic theory
F2030302 Mathematical economics
F2030303 Microeconomic theory
F2030304 Political economics
F2030399 Other economic theory

F2030400 Economy History and History of Economic Thought

F2030401 Comparative economic system
F2030402 Economic history
F2030403 History of economic thought
F2030499 Other economy history and history of economic thought

F2030500 Econometrics

F2030501 Applied econometrics
F2030502 Basic econometrics
F2030503 Cross section studies
F2030504 Econometrics modelling
F2030505 Panel data analysis
F2030506 Regressive analysis
F2030507 Time series econometrics
F2030599 Other econometrics

F2030600 Management

F2030601 Agribusiness
F2030602 Agricultural management
F2030603 Business ethics
F2030604 Crisis and risk management
F2030605 Electronic commerce
F2030606 Entrepreneurial studies
F2030607 Entrepreneurship
F2030608 Environmental management
F2030609 Health management
F2030610 Industrial relations
F2030611 International business management
F2030612 Islamic management
F2030613 Management information system

CATEGORY GROUP AREA

F2030614 Marketing
F2030615 Multimedia management
F2030616 Operational management
F2030617 Organisational studies
F2030618 Public sector management
F2030619 Purchasing
F2030620 Quality management
F2030621 Science and technology management
F2030622 Strategic management
F2030623 Techno-economics
F2030626 Total quality management (TQM)
F2030699 Other management studies

F2030700 Human Resource Management (HRM)

F2030701 Compensation and benefits
F2030702 Employee development
F2030703 Employee relation
F2030704 Human resource planning
F2030705 Industrial relation
F2030706 Managing multiculturalism
F2030707 Occupational safety and health
F2030708 Performance appraisal
F2030709 Recruitment and selection
F2030799 Other human resource management (HRM)

F2030800 Marketing

F2030801 Advertising
F2030802 Brands management
F2030803 Communications
F2030804 Consumer behaviour
F2030805 Industrial marketing
F2030806 Market research
F2030807 Marketing audit
F2030808 Marketing information system
F2030809 Marketing of professional services
F2030810 Marketing plan
F2030811 Promotion
F2030812 Public relations
F2030813 Purchasing
F2030814 Retailing
F2030815 Sales and distribution
F2030816 Service marketing
F2030817 Strategic marketing
F2030818 Wholesaling
F2030899 Other marketing

F2030900 Human Resource Development (HRD)

F2030901 Action learning
F2030902 Adult learning and development
F2030903 Building capacity
F2030904 Career development
F2030905 Continuing professional development
F2030906 Employee counselling
F2030907 Empowerment of employees
F2030908 In-service training

CATEGORY GROUP AREA

F2030909 Knowledge management
F2030910 Learning organization
F2030911 Learning transfer
F2030912 Management development
F2030913 Organization commitment
F2030914 Organizational development
F2030915 Performance management
F2030916 Team building
F2030917 Trainability
F2030918 Training design
F2030919 Training management
F2030920 Workplace learning
F2030999 Other human resource development (HRD)

F2031000**Entrepreneurship**

F2031001 Corporate entrepreneurship
F2031002 Development
F2031003 Entrepreneurial studies
F2031004 Entrepreneurship education
F2031005 Family business
F2031006 Financing small business
F2031007 Franchising
F2031008 Intrapreneurship
F2031009 Small business enterprise
F2031010 Small business management
F2031011 SMI's
F2031012 Technopreneurs
F2031013 Training
F2031099 Other entrepreneurship

F2031100**Finance**

F2031101 Banking
F2031102 Capital market
F2031103 Corporate finance
F2031104 Finance companies
F2031105 Financial engineering
F2031106 Insurances
F2031107 International finance
F2031108 Islamic banking
F2031109 Islamic finance
F2031110 Market efficiency
F2031111 Off-shore finance
F2031112 Other finance
F2031113 Risk management
F2031114 Stock broking
F2031115 Venture capital
F2031199 Other finance

F2031200**Investment**

F2031201 Hedge fund
F2031202 Initial public offers (IPO)
F2031203 Institutional investment
F2031204 Islamic investment instrument
F2031205 Market efficiency
F2031206 Mergers and acquisitions

CATEGORY GROUP AREA

F2031207 Mutual fund
F2031208 Real estate
F2031209 Stock market studies
F2031299 Other investment

F2031300 Logistic and Transportation

F2031301 Air transport management
F2031302 Logistics
F2031303 Maritime
F2031304 Rail transport
F2031305 Road transport
F2031306 Space transport
F2031307 Supply chain management
F2031308 Transport economics
F2031309 Transport engineering
F2031310 Transport marketing
F2031311 Transport policy and planning
F2031312 Urban transport
F2031399 Other logistic and transportation

F2031400 Technology Management

F2031401 Appropriate technology
F2031402 Intellectual property rights
F2031403 Research and development management
F2031404 Science and technology management
F2031405 Technology and assessment
F2031406 Technology and civilisation
F2031407 Technology and development
F2031408 Technology and law
F2031409 Technology commercialisation
F2031410 Technology diffusion
F2031411 Technology foresight
F2031412 Technology indicators
F2031413 Technology innovation
F2031414 Technology policy studies
F2031415 Technology prospecting
F2031416 Technology road map
F2031417 Technology transfer
F2031499 Other technology management

F2031500 Tourism

F2031501 Ecotourism studies
F2031502 Education and training
F2031503 Food and hospitality services
F2031504 Heritage management
F2031505 Hospitality management
F2031506 Impact studies
F2031507 Leisure studies
F2031508 Management
F2031509 Product development
F2031510 Public policy
F2031511 Social cultural
F2031512 Support services
F2031513 Tourism and economy
F2031514 Tourism and technologies

CATEGORY GROUP AREA

F2031515 Tourism and transport
F2031516 Tourism economics
F2031517 Tourism facilities
F2031518 Tourism forecasting
F2031519 Tourism management
F2031520 Tourism marketing
F2031521 Tourism policy
F2031522 Tourism resource appraisal
F2031523 Tourist behaviour
F2031599 Other tourism

F2039900 Other Economics, Business and Management not Elsewhere Classified

CATEGORY GROUP AREA

DIVISION 1 : DEFENCE

| | | |
|-----------------|-----------------|---|
| S1010000 | | DEFENCE |
| | S1010100 | Defence |
| | | S1010101 Aerospace |
| | | S1010102 Civil defence |
| | | S1010103 Communication system |
| | | S1010104 Computer simulation |
| | | S1010105 Electronics |
| | | S1010106 Manufacturing |
| | | S1010107 Marine |
| | | S1010108 Materials |
| | | S1010109 Positioning and mapping systems |
| | | S1010110 Remote sensing system |
| | | S1010111 Security system |
| | | S1010112 Software |
| | | S1010113 Strategic air pollution control |
| | | S1010114 Strategic disinfections systems |
| | | S1010115 Strategic water purification systems |
| | | S1010116 Surveillance |
| | | S1010117 Virtual-reality war games |
| | | S1010118 Weapon systems |
| | | S1010199 Other defence |
| | S1010200 | Defence Equipment |
| | | S1010201 Automotive |
| | | S1010202 Explosives |
| | | S1010203 Guided system |
| | | S1010204 Laser |
| | | S1010205 Material |
| | | S1010206 Night vision |
| | | S1010207 Propulsion |
| | | S1010208 Rocket system |
| | | S1010209 Sensor |
| | | S1010299 Other defence equipment |
| | S1019900 | Other Defence not Elsewhere Classified |
| S1020000 | | LOGISTICS |
| | S1020100 | Make Shift Engineering |
| | | S1020101 Deplorable road system |
| | | S1020102 Deplorable bridges |
| | | S1020103 Deplorable buildings |
| | | S1020199 Other make shift engineering |
| | S1020200 | Civil Engineering |
| | | S1020201 Materials and advanced materials |
| | | S1020202 Bridge system |
| | | S1020203 Industrialised construction system |
| | | S1020204 Connection system |
| | | S1020205 Bunkers and underground structures |
| | | S1020206 Blast resistance buildings |
| | | S1020207 Under water structures |
| | | S1020299 Other civil engineering |

DIVISION 2 : ECONOMIC DEVELOPMENT

| | | |
|-----------------|-----------------|--|
| S2010000 | | PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS |
| | S2010100 | Field crops |
| | | S2010101 Cereal crops |

CATEGORY GROUP AREA

| | | |
|-----------------|----------|-------------------------------------|
| | S2010102 | Corn |
| | S2010103 | Kenaf |
| | S2010104 | Legumes |
| | S2010105 | Oilseed |
| | S2010106 | Rice |
| | S2010107 | Spices |
| | S2010108 | Sugar cane |
| | S2010109 | Tapioca |
| | S2010110 | Tea tree |
| | S2010111 | Tobacco |
| | S2010199 | Other field crops |
| S2010200 | | Plantation crops |
| | S2010201 | Banana |
| | S2010202 | Cocoa |
| | S2010203 | Coconut |
| | S2010204 | Coffee |
| | S2010205 | Oil palm |
| | S2010206 | Pepper |
| | S2010207 | Pineapple |
| | S2010208 | Rubber |
| | S2010209 | Sago |
| | S2010210 | Sugarcane |
| | S2010211 | Tea |
| | S2010299 | Other plantation crops |
| S2010300 | | Horticultural Crops |
| | S2010301 | Flowers |
| | S2010302 | Fruits |
| | S2010303 | Mushroom |
| | S2010304 | Nuts |
| | S2010305 | Ornamental plants |
| | S2010306 | Vegetables |
| | S2010399 | Other horticultural crops |
| S2010400 | | Forestry |
| | S2010401 | Bamboo |
| | S2010402 | Ecotourism |
| | S2010403 | Forest inventory |
| | S2010404 | Hardwood plantations |
| | S2010405 | Native forest |
| | S2010406 | Rattan |
| | S2010407 | Reforestation |
| | S2010408 | Softwood plantations |
| | S2010409 | Water catchments |
| | S2010499 | Other forestry |
| S2010500 | | Primary Products from Plants |
| | S2010501 | Cocoa products |
| | S2010502 | Food supplements |
| | S2010503 | Herbal product |
| | S2010504 | Natural rubber latex |
| | S2010505 | Palm oil |
| | S2010506 | Plants products |
| | S2010507 | Post harvest |
| | S2010508 | Speciality oil |
| | S2010509 | Timber products |
| | S2010510 | Tobacco leaf |
| | S2010511 | Unprocessed cereals |
| | S2010599 | Other primary products from plants |
| S2010600 | | By-Product Utilisation |
| | S2010601 | Activated carbon |

CATEGORY GROUP AREA

S2010602 Animal feed
S2010603 Bio-fertilisers
S2010604 Cement board
S2010605 Control release materials
S2010606 Emulsifier
S2010607 Fibre board
S2010608 Food additives
S2010609 Hemicelluloses
S2010610 High fructose syrup
S2010611 Jelly
S2010612 Lubricant/grease
S2010613 Mattress and cushions
S2010614 Moulded particles
S2010615 Non-food product
S2010616 Paint
S2010617 Paper and pulp
S2010618 Pentose
S2010619 Plasticizer
S2010620 Printing ink
S2010621 Slow release material
S2010622 Stabiliser
S2010623 Treated sludge
S2010624 Treated wastewater
S2010625 Useful chemicals
S2010699 Other by-product utilisation

S2010700 Herbs, Spices and Medicinal Plants

S2010701 Aloe vera (Lidah buaya)
S2010702 Andrographis paniculata (Hempedu bumi)
S2010703 Centella asiatica (Pegaga)
S2010704 Cinnamomum zeylanicum (Kayu manis/Cinnamon)
S2010705 Curcuma domestica(Kunyit/tumeric)
S2010706 Cymbopogon citratus (Serai makan/Lemon grass)
S2010707 Cymbopogon nardus (Serai wangi/Citronella)
S2010708 Eugenia caryophyllata (Bunya cengkeh/clove)
S2010709 Eurycoma longifolia (Tongkat ali)
S2010710 Kaempferia galanga (Cekur)
S2010711 Labisia potheria (Kacip fatimah)
S2010712 Melaleuca alternifolia (Tea tree)
S2010713 Morinda citrifolia (Mengkudu)
S2010714 Myristica fragrans (Buah pala/Nutmeg)
S2010715 Ocimum basilicum (Selasih/Sweet basil)
S2010716 Orthosiphon stameneus (Misai kucing)
S2010717 Piper nigrum (Lada hitam/Pepper)
S2010718 Pogostemon cablin (Nilam/Patchouli)
S2010719 Polygonum minus (Kesum)
S2010720 Zingiber officinale (Halia/Ginger)
S2010799 Other herbs, spices and medicinal plants

S2019900 Other Plant Production and Plant Primary Products not Elsewhere Classified.**S2020000 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS****S2020100 Livestock**

S2020101 Beef cattle
S2020102 Breeders
S2020103 Broilers
S2020104 Buffalo
S2020105 Dairy cattle
S2020106 Deer
S2020107 Goats-meat
S2020108 Goats-milk

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|---|
| | | S2020109 Horses |
| | | S2020110 Layers |
| | | S2020111 Ostrich |
| | | S2020112 Pigs |
| | | S2020113 Rabbit |
| | | S2020114 Sheep-meat |
| | | S2020115 Sheep-wool |
| | | S2020199 Other livestock |
| | S2020200 | Pasture, Browse and Fodder Crops |
| | | S2020201 Native vegetation |
| | | S2020202 Sown grasses |
| | | S2020203 Sown legumes |
| | | S2020299 Other pasture, browse and fodder crops |
| | S2020300 | Fisheries |
| | | S2020301 Aquaculture product |
| | | S2020302 Commercial fisheries |
| | | S2020303 Fish |
| | | S2020304 Post harvest handling |
| | | S2020305 Recreational fisheries |
| | | S2020399 Other fisheries products |
| | S2020400 | Primary and By-Products from Animals |
| | | S2020401 Bee and bee products |
| | | S2020402 Beef |
| | | S2020403 Eggs |
| | | S2020404 Fish |
| | | S2020405 Gelatine |
| | | S2020406 Hides |
| | | S2020407 Milk (minimally processed) |
| | | S2020408 Mutton |
| | | S2020409 Pork |
| | | S2020410 Poultry |
| | | S2020411 Raw wool |
| | | S2020412 Skins |
| | | S2020499 Other primary and by-products from animals |
| | S2029900 | Other Animal Production and Animal Primary Products not Elsewhere Classified |
| S2030000 | | MINERAL RESOURCES (INCLUDING ENERGY) |
| | S2030100 | Exploration |
| | | S2030101 Aluminium ore exploration |
| | | S2030102 Copper exploration |
| | | S2030103 Iron ores exploration |
| | | S2030104 Mineral exploration |
| | | S2030105 Non-ferrous ore exploration |
| | | S2030106 Non-metallic mineral exploration |
| | | S2030107 Precious (noble) metal ore exploration |
| | | S2030108 Precious stones |
| | | S2030109 Rare earth metal ore exploration |
| | | S2030110 Sand exploration |
| | | S2030111 Semi-precious stones |
| | | S2030112 Stone and clay exploration |
| | | S2030113 Tin exploration |
| | | S2030114 Titanium minerals exploration |
| | | S2030115 Zinc exploration |
| | | S2030199 Other exploration |
| | S2030200 | Primary Mining and Extraction Processes |
| | | S2030201 Aluminium ore mining |
| | | S2030202 Copper mining |

| CATEGORY | GROUP | AREA |
|----------|-------|------|
|----------|-------|------|

S2030203 Iron ore mining
S2030204 Mineral extraction processes
S2030205 Non-ferrous ore mining
S2030206 Non-metallic mineral mining
S2030207 Precious (noble) metal ore mining
S2030208 Rare earth metal ore mining
S2030209 Stone and clay mining
S2030210 Tin mining
S2030211 Titanium mineral mining
S2030212 Zinc mining
S2030213 Zircon mining
S2030299 Other primary mining and extraction processes

S2030300 Treatment of Ores and Minerals

S2030301 Alumina production
S2030302 Base metal ore concentration
S2030303 Energy resource exploration
S2030304 Mineral beneficiation
S2030305 Precious metal concentrates
S2030306 Precious metal ingot production
S2030399 Other treatment of ores and minerals

S2030400 Prevention and Treatment of Pollution

S2030401 Catalytic converter
S2030402 Control of greenhouse gases
S2030403 First stage treatment of ores and mineral
S2030404 Primary mining and extraction processes
S2030405 Sustainable exploration
S2030406 Zero emission
S2030499 Other prevention and treatment of pollution

S2039900 Other Mineral Resources (Excluding Energy) not Elsewhere Classified

S2040000

ENERGY RESOURCES

S2040100 Exploration

S2040101 Coal exploration
S2040102 Oil and gas exploration
S2040103 Oil shale exploration
S2040104 Tar sands exploration
S2040105 Uranium exploration
S2040106 Virtual Reality
S2040199 Other exploration

S2040200 Mining and Extraction

S2040201 Coal mining/ extraction
S2040202 Oil and gas mining/ extraction
S2040203 Oil shale mining/extraction
S2040204 Tar sands mining/ extraction
S2040205 Uranium mining/ extraction
S2040299 Other mining and extraction

S2040300 Preparation and Supply of Energy Source Materials

S2040301 Coal preparation
S2040302 Fuel cell
S2040303 Oil and gas preparation (energy)
S2040304 Oil shale preparation
S2040305 Rapid charged battery
S2040306 Tar sands preparation
S2040307 Uranium preparation
S2040399 Other preparation and supply of energy source materials

S2040400 Non-Conventional Energy Resources

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|--|
| | | S2040401 Bio-gas |
| | | S2040402 Biomass |
| | | S2040403 Geo-thermal |
| | | S2040404 Hybrid systems |
| | | S2040405 Hydrogen |
| | | S2040406 Ocean energy |
| | | S2040407 Ocean Thermal Energy Conversion (OTEC) |
| | | S2040408 Solar photovoltaic |
| | | S2040409 Solar thermal |
| | | S2040410 Tidal wave |
| | | S2040411 Vegetable oil |
| | | S2040412 Wind |
| | | S2040499 Other non-conventional energy resources |
| | S2040500 | Nuclear Energy |
| | | S2040501 Nuclear fission |
| | | S2040502 Nuclear fusion |
| | | S2040599 Other nuclear energy |
| | S2049900 | Other Energy Resources not Elsewhere Classified |
| S2050000 | | ENERGY SUPPLY |
| | S2050100 | Energy Transformation |
| | | S2050101 Coal-conversion to liquid fuels |
| | | S2050102 Coal-electricity |
| | | S2050103 Fuel cell |
| | | S2050104 Gas electricity |
| | | S2050105 Gas-conversion to liquid fuels |
| | | S2050106 Nuclear energy transformation |
| | | S2050107 Oil shale conversion to liquid fuels |
| | | S2050108 Refined oil and gas for energy |
| | | S2050109 Tar sand conversion to liquid fuels |
| | | S2050199 Other energy transformation |
| | S2050200 | Renewable Energy |
| | | S2050201 Bio-energy |
| | | S2050202 Geo-thermal |
| | | S2050203 Hydroelectric energy |
| | | S2050204 Ocean energy |
| | | S2050205 Solar-photoelectric energy |
| | | S2050206 Solar-thermal energy |
| | | S2050207 Wind energy |
| | | S2050299 Other renewable energy |
| | S2050300 | Energy Distribution |
| | | S2050301 Electricity transmission |
| | | S2050302 Energy storage |
| | | S2050303 Energy systems analysis |
| | | S2050304 Oil and gas distribution |
| | | S2050399 Other energy distribution |
| | S2050400 | Energy Conservation and Efficiency |
| | | S2050401 Commercial energy conservation |
| | | S2050402 Energy conservation |
| | | S2050403 Heat retaining ceramics |
| | | S2050404 Hobs for lining |
| | | S2050405 Industry energy conservation |
| | | S2050406 Insulator for lining |
| | | S2050407 Residential energy conservation |
| | | S2050408 Transport energy conservation |
| | | S2050499 Other energy conservation and efficiency |
| | S2050500 | Energy Issues |

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|---|
| | | S2050501 Energy saving |
| | | S2050502 Environmental pollution control |
| | | S2050503 Gas pipeline corrosion |
| | | S2050504 Hydroelectric dam silting |
| | | S2050505 Nuclear waste disposal |
| | | S2050506 Pollution |
| | | S2050599 Other energy issues |
| | S2059900 | Other Energy Supply not Elsewhere Classified |
| S2060000 | | MANUFACTURING |
| | S2060100 | Processed Food Products and Beverages |
| | | S2060101 Agrobases |
| | | S2060102 Beverage |
| | | S2060103 Carcass meat |
| | | S2060104 Dairy products |
| | | S2060105 Fish products |
| | | S2060106 Food preservation and additive |
| | | S2060107 Food processing |
| | | S2060108 Fruit |
| | | S2060109 Genetically modified food |
| | | S2060110 Grain mill products processing |
| | | S2060111 Meat products |
| | | S2060112 Oils and fats (incl. margarine) |
| | | S2060113 Starch products processing |
| | | S2060114 Tobacco products |
| | | S2060115 Vegetable products processing |
| | | S2060199 Other processed food products and beverages |
| | S2060200 | Fibre Processing and Textiles, Footwear and Leather Products |
| | | S2060201 Chemical modification of rubber |
| | | S2060202 Clothing manufacture |
| | | S2060203 Cotton ginning |
| | | S2060204 Fabric manufacture |
| | | S2060205 Fibre (textile) processing |
| | | S2060206 Natural yarns and fabric manufacturing |
| | | S2060207 Process skins, leather and leather products |
| | | S2060208 Top making (wool products) |
| | | S2060209 Wool scouring and top manufacturing |
| | | S2060299 Other fibre processing and textiles, footwear and leather products |
| | S2060300 | Wood, Wood Products and Paper |
| | | S2060301 Chipboard manufacture |
| | | S2060302 Furniture products |
| | | S2060303 Glue laminated timber |
| | | S2060304 Hardwood sawing and veneer |
| | | S2060305 Paper products manufacture |
| | | S2060306 Particle board manufacture |
| | | S2060307 Printing and publishing processes |
| | | S2060308 Publishing services |
| | | S2060309 Pulp and paper manufacture |
| | | S2060310 Softwood sawing and veneer |
| | | S2060311 Wood processing |
| | | S2060312 Woodchips |
| | | S2060399 Other wood, wood products and paper |
| | S2060400 | Human Pharmaceutical Products |
| | | S2060401 Blood products |
| | | S2060402 Cosmetics |
| | | S2060403 Diagnostic |
| | | S2060404 Nutraceuticals |
| | | S2060405 Nutritional supplements |
| | | S2060406 Phytochemicals |

| CATEGORY | GROUP | AREA |
|----------|-------|------|
|----------|-------|------|

| | | |
|----------|--|-------------------------------------|
| S2060407 | | Therapeutic agents |
| S2060408 | | Vaccines |
| S2060499 | | Other human pharmaceutical products |

| | | |
|-----------------|--|---|
| S2060500 | | Veterinary Pharmaceutical Products |
|-----------------|--|---|

| | | |
|----------|--|--|
| S2060501 | | Antibiotics |
| S2060502 | | Chemical treatments |
| S2060503 | | Diagnostics |
| S2060504 | | Therapeutic agents |
| S2060505 | | Vaccines |
| S2060599 | | Other veterinary pharmaceutical products |

| | | |
|-----------------|--|-------------------------------|
| S2060600 | | Agricultural Chemicals |
|-----------------|--|-------------------------------|

| | | |
|----------|--|------------------------------|
| S2060601 | | Animal protection chemicals |
| S2060602 | | Chemical fertilisers |
| S2060603 | | Crop protection chemicals |
| S2060604 | | Nutraceuticals |
| S2060605 | | Oleo chemicals |
| S2060606 | | Palm-based chemicals |
| S2060607 | | Pesticides |
| S2060608 | | Pharmaceuticals |
| S2060699 | | Other agricultural chemicals |

| | | |
|-----------------|--|--|
| S2060700 | | Industrial Chemicals and Related Products |
|-----------------|--|--|

| | | |
|----------|--|---|
| S2060701 | | Bioplastic |
| S2060702 | | Bituminous products |
| S2060703 | | Cosmetics |
| S2060704 | | Emulsions |
| S2060705 | | Industrial and agro-chemicals |
| S2060706 | | Industrial gases |
| S2060707 | | Inorganic industrial chemicals |
| S2060708 | | Lubricants |
| S2060709 | | Oleo chemicals |
| S2060710 | | Organic industrial chemicals |
| S2060711 | | Paints |
| S2060712 | | Palm-based chemicals |
| S2060713 | | Plastic products |
| S2060714 | | Plasticizers |
| S2060715 | | Printing ink |
| S2060716 | | Soaps and detergents |
| S2060717 | | Speciality chemical including catalyst |
| S2060718 | | Stabiliser |
| S2060719 | | Synthetic resins and rubber |
| S2060720 | | Thermoplastic preparation |
| S2060799 | | Other industrial chemicals and related products |

| | | |
|-----------------|--|--|
| S2060800 | | Basic Metal Products (Including Smelting) |
|-----------------|--|--|

| | | |
|----------|--|------------------------------|
| S2060801 | | Iron and steel |
| S2060802 | | Magnesium |
| S2060803 | | Metal smelting |
| S2060804 | | Non-ferrous metals |
| S2060805 | | Precious metals |
| S2060806 | | Refined bullion, wire, strip |
| S2060899 | | Other basic metal products |

| | | |
|-----------------|--|------------------------------------|
| S2060900 | | Industrial Mineral Products |
|-----------------|--|------------------------------------|

| | | |
|----------|--|-------------------------|
| S2060901 | | Cement |
| S2060902 | | Clay products |
| S2060903 | | Concrete products |
| S2060904 | | Crystal glass |
| S2060905 | | Semiconductor materials |
| S2060906 | | Stone products |
| S2060907 | | Structural glass |

| CATEGORY | GROUP | AREA |
|----------|-------|------|
|----------|-------|------|

S2060999 Other industrial mineral products

S2061000 Fabricated Metal Products

S2061001 Castings
 S2061002 Forging
 S2061003 Machined metal products
 S2061004 Machining
 S2061005 Semi-finished metal products
 S2061006 Sheet metal products
 S2061007 Structural metal products
 S2061008 Welding
 S2061099 Other fabricated metal products

S2061100 Transport Equipment

S2061101 Aerospace equipment
 S2061102 Automotive equipment
 S2061103 Aviation equipment
 S2061104 Environmental friendly transport systems
 S2061105 Navigation equipment
 S2061106 Rail (transport) equipment
 S2061107 Ships and boats
 S2061199 Other transport equipment

S2061200 Computer Hardware and Electronic Equipment

S2061201 Automated production
 S2061202 Computer equipment
 S2061203 Electronic office equipment
 S2061204 Integrated circuits and devices
 S2061205 Integrated systems
 S2061206 Intelligent machine control
 S2061207 Manufacturing systems
 S2061208 Modules - other processes
 S2061209 Modules - special and attached processors
 S2061210 Sensors
 S2061299 Other computer hardware and electronic equipment

S2061300 Communication Equipment

S2061301 Broadcasting equipment
 S2061302 Computer hardware
 S2061303 Data image and text equipment
 S2061304 Fibre optic
 S2061305 Integrated circuits and devices
 S2061306 Network switching equipment
 S2061307 Network transmission equipment
 S2061308 Photonic equipment
 S2061309 Radio
 S2061310 Wireless
 S2061399 Other communication equipment

S2061400 Instrumentation

S2061401 Audiological instrumentation
 S2061402 Bioglass
 S2061403 Biochips
 S2061404 Biometrics
 S2061405 Bioreactor
 S2061406 Biosensor
 S2061407 Industrial
 S2061408 Medical
 S2061409 Photographic equipment
 S2061410 Scientific
 S2061411 Test and measurement
 S2061412 Transducer
 S2061499 Other instrumentation

CATEGORY GROUP AREA

| | |
|-----------------|--|
| S2061500 | Machinery and Equipment |
| S2061501 | Agricultural |
| S2061502 | Appliances |
| S2061503 | Construction |
| S2061504 | Defence |
| S2061505 | Electrical |
| S2061506 | Food processing |
| S2061507 | Forestry |
| S2061508 | High speed/ precision equipment fabrication |
| S2061509 | Industrial |
| S2061510 | Laser in manufacturing |
| S2061511 | Machine tools |
| S2061512 | Metal casting |
| S2061513 | Mining and mineral processing |
| S2061514 | Telecommunication |
| S2061515 | Transport |
| S2061599 | Other machinery and equipment |
| S2061600 | Latex Product Processing |
| S2061601 | Depolymerisation |
| S2061602 | Deproteinization |
| S2061603 | Dipping |
| S2061604 | Epoxidation |
| S2061605 | Extrusion |
| S2061606 | Foaming |
| S2061607 | Injection moulding |
| S2061608 | Vulcanisation |
| S2061699 | Other latex product processing |
| S2061700 | Standard Supporting Technologies |
| S2061701 | Fabrication for metal and plastics |
| S2061702 | Heat treatment and welding technologies |
| S2061703 | Mould and die technology |
| S2061704 | Nano machining |
| S2061705 | Packaging technology and materials |
| S2061706 | Printed circuit Board (PCB) fabrication and assembly |
| S2061707 | Polishing |
| S2061708 | Precision machining and micro machining |
| S2061709 | Reverse engineering |
| S2061710 | Sintering |
| S2061711 | Surface treatment and welding technologies |
| S2061799 | Other standard supporting technologies |
| S2061800 | Materials Performance and Processes/ Analysis |
| S2061801 | Audiological materials |
| S2061802 | Bio materials |
| S2061803 | Cement and concrete materials |
| S2061804 | Dental materials |
| S2061805 | Dynamic testing |
| S2061806 | Ear mould materials |
| S2061807 | Highway basement performance |
| S2061808 | Material reliability and performance |
| S2061809 | Metals |
| S2061810 | Micro-mechanical measurement and techniques |
| S2061811 | Non-destructive testing (NDT) |
| S2061812 | Ophthalmic materials |
| S2061813 | Polymeric materials performance testing |
| S2061814 | Smart materials |
| S2061815 | Spectroscopic techniques |
| S2061816 | Stone, ceramics and clay materials |
| S2061817 | Structural assessment |
| S2061818 | Thin film technologies |

| CATEGORY | GROUP | AREA |
|----------|-------|------|
|----------|-------|------|

S2061819 Timber materials
S2061899 Other materials performance and processes/ analysis

S2061900

Milling and Process Materials

S2061901 Conversion into value-added products
S2061902 Cost-effective process for existing products
S2061903 Fibre reinforced concrete
S2061904 High strength concrete
S2061905 In field treatment process
S2061906 Lightweight concrete
S2061907 On-line quality indicator and minimal waste
S2061908 Pilot testing
S2061909 Pre-strength concrete
S2061910 Pre-stressed concrete
S2061911 Production modelling
S2061912 Smart window
S2061913 Technology packaging
S2061914 Validating technology
S2061915 Zero-waste technology
S2061999 Other milling and process materials

S2062000

Synthesis and Design of Fine and Speciality Chemicals

S2062001 Chiral compound
S2062002 Cosmoceuticals
S2062003 Drug intermediates from indigenous sources
S2062004 Expired patent chemicals
S2062005 Heat resistant/ flame retarding chemicals
S2062006 Large martial molecules
S2062007 Liquid crystal
S2062008 Newer reagents
S2062009 Nutraceuticals
S2062010 Personal care products and cosmetics
S2062099 Other synthesis and design of fine and speciality chemicals

S2062100

Pollution Prevention and Control

S2062101 Agricultural chemicals
S2062102 Basic metal products
S2062103 Ceramic, glass and industrial mineral products
S2062104 Communication equipment
S2062105 Computer hardware and electronic equipment
S2062106 Fabricated metal products
S2062107 Fibre, processing and textiles; footwear and leather products
S2062108 Human pharmaceutical products
S2062109 Incineration
S2062110 Industrial chemicals and related products
S2062111 Instrumentation
S2062112 Machinery and equipment
S2062113 Processed food products and beverages
S2062114 Quarry and mining
S2062115 Transport equipment
S2062116 Wood, wood products and paper
S2062199 Other pollution prevention and control

S2062200

Consumer Products

S2062201 Cosmetics
S2062202 Cosmoceuticals
S2062203 Detergents
S2062204 Household cleaners
S2062205 Nutraceutical
S2062206 Personal care/ toiletries
S2062207 Soaps
S2062299 Other consumer products

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|--|
| | S2069900 | Other Manufacturing not Elsewhere Classified |
| S2070000 | | CONSTRUCTION |
| | S2070100 | Planning |
| | S2070101 | Commercial building |
| | S2070102 | Community planning |
| | S2070103 | Construction open building |
| | S2070104 | Development models |
| | S2070105 | Environmental sustainable habitat |
| | S2070106 | Industrial building |
| | S2070107 | Port and airport |
| | S2070108 | Residential |
| | S2070109 | Residential and public building |
| | S2070110 | Road and highway |
| | S2070111 | Spatial and physical planning |
| | S2070112 | Urban renewal |
| | S2070199 | Other construction planning |
| | S2070200 | Design |
| | S2070201 | Bridge |
| | S2070202 | Commercial building |
| | S2070203 | Construction |
| | S2070204 | High rise building |
| | S2070205 | Industrial building |
| | S2070206 | Industrialised building/construction system (IBS/ ICS) |
| | S2070207 | Port and airport |
| | S2070208 | Residential |
| | S2070209 | Residential and public building |
| | S2070210 | Road and highway |
| | S2070211 | Seismic and dynamic resistant |
| | S2070212 | Structural design and assessment |
| | S2070299 | Other construction design |
| | S2070300 | Construction Processes |
| | S2070301 | Commercial building construction processes |
| | S2070302 | Housing construction processes |
| | S2070303 | Industrial building construction processes |
| | S2070304 | Industrialised building/construction system (IBS/ ICS) |
| | S2070305 | K-based construction |
| | S2070306 | Port and airport construction processes |
| | S2070307 | Road and highway construction processes |
| | S2070308 | Standard regulation and legislation |
| | S2070399 | Other construction processes |
| | S2070400 | Building Management and Services |
| | S2070401 | Commercial building management services |
| | S2070402 | Housing management services |
| | S2070403 | Industrial building management services |
| | S2070404 | Industrialised building/construction system (IBS/ ICS) |
| | S2070405 | Structural products (wall/ floor tiles, roofing tiles) |
| | S2070499 | Other building management and services |
| | S2079900 | Other Construction not Elsewhere Classified |
| S2080000 | | TRANSPORT |
| | S2080100 | Ground Transport |
| | S2080101 | Bicycle and pedestrianization |
| | S2080102 | Rail and road ride |
| | S2080103 | Rail transport |
| | S2080104 | Road safety |
| | S2080105 | Road transport |
| | S2080199 | Other ground transport |

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|--|
| | S2080200 | Water Transport |
| | S2080201 | Coastal water transport |
| | S2080202 | Inland water transport |
| | S2080203 | International sea transport |
| | S2080299 | Other water transport |
| | S2080300 | Air and Space Transport |
| | S2089900 | Other Transport not Elsewhere Classified |
| S2090000 | | INFORMATION AND COMMUNICATION SERVICES |
| | S2090100 | Computer Software and Services |
| | S2090101 | Application (software) packages and tools |
| | S2090102 | Application system utilities |
| | S2090103 | Communication on services |
| | S2090104 | Computer aided design (CAD) |
| | S2090105 | Computer aided engineering (CAE) |
| | S2090106 | Computer aided manufacturing (CAM) |
| | S2090107 | Computer animation and digital arts |
| | S2090108 | Computer Security |
| | S2090109 | Edutainment |
| | S2090110 | Information processing services |
| | S2090111 | Integrated and expert system for designing |
| | S2090112 | Multimedia content |
| | S2090113 | Virtual reality and virtual manufacturing |
| | S2090199 | Other computer software and services |
| | S2090200 | Information Services (Including Library) |
| | S2090201 | Information services |
| | S2090202 | Library services |
| | S2090299 | Other information services |
| | S2090300 | Communication services |
| | S2090301 | Broadcasting |
| | S2090302 | Mobile services |
| | S2090303 | Postal communication |
| | S2090304 | Satellite services |
| | S2090305 | Telecommunication |
| | S2090306 | Tele-education |
| | S2090307 | Tele-working |
| | S2090399 | Other communication services |
| | S2090400 | Geoinformation Services |
| | S2090401 | Digital data |
| | S2090402 | Digital model |
| | S2090403 | Environmental information |
| | S2090404 | Land value information |
| | S2090405 | Map |
| | S2090406 | Precise measurement |
| | S2090407 | Resource based information |
| | S2090408 | Spatial databased |
| | S2090409 | Strategic information |
| | S2090499 | Other geoinformation services |
| | S2099900 | Other Information and Communication Services not Elsewhere Classified |
| S2100000 | | COMMERCIAL SERVICES |
| | S2100100 | Electricity, Gas and Water Services and Utilities |
| | S2100101 | Electricity services and utilities |
| | S2100102 | Gas services and utilities |
| | S2100103 | Public services and utilities |
| | S2100104 | Water services and utilities |

| CATEGORY | GROUP | AREA |
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| | | S2100199 Other electricity, gas and water services and utilities |
| | S2100200 | Waste Management and Recycling |
| | | S2100201 Recycling |
| | | S2100202 Waste management |
| | | S2100299 Other waste management and recycling |
| | S2100300 | Wholesale and Retail Trade |
| | | S2100301 e-commerce |
| | | S2100302 Farmer's market |
| | | S2100303 Fruit carnival |
| | | S2100304 Hypermarket |
| | | S2100305 Retail trade |
| | | S2100306 Wholesale trade |
| | | S2100399 Other wholesale and retail trade |
| | S2100400 | Finance, Property and Business Services |
| | | S2100401 Accounting |
| | | S2100402 Auditing |
| | | S2100403 Banking |
| | | S2100404 Commercial investigation |
| | | S2100405 Commercial securities services |
| | | S2100406 Insurance services |
| | | S2100407 Investment services |
| | | S2100408 Islamic financial services |
| | | S2100409 Land administration and development |
| | | S2100410 Professional services |
| | | S2100411 Property management |
| | | S2100499 Other finance, property and business services |
| | S2100500 | Tourism |
| | | S2100501 Agrotourism |
| | | S2100503 Economics tourism |
| | | S2100504 Ecotourism |
| | | S2100505 Health tourism |
| | | S2100506 Recreational services |
| | | S2100507 Socio-cultural issues |
| | | S2100508 Tourism infrastructural development |
| | | S2100509 Urban tourism |
| | | S2100599 Other tourism |
| | S2109900 | Other Commercial Services not Elsewhere Classified |
| S2110000 | | ECONOMIC FRAMEWORK |
| | S2110100 | Macroeconomic issues |
| | | S2110101 Balance of payments issues |
| | | S2110102 Exchange rates issues |
| | | S2110103 Fiscal policy issues |
| | | S2110104 Income policy issues |
| | | S2110105 Industrial concentration |
| | | S2110106 Monetary policy issues |
| | | S2110107 National accounts |
| | | S2110108 Poverty and equity |
| | | S2110109 Price stability |
| | | S2110110 Productivity and growth |
| | | S2110111 Taxation issues |
| | | S2110199 Other macroeconomics issues |
| | S2110200 | Microeconomic Issues |
| | | S2110201 Consumption issues |
| | | S2110202 Industrial organisations issues |
| | | S2110203 Industry costs and structure issues |
| | | S2110204 Industry policy issues |

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|--|
| | | S2110205 Taxation |
| | | S2110299 Other microeconomics issues |
| | S2110300 | International Trade Issues |
| | | S2110301 Competitiveness |
| | | S2110302 Globalisation |
| | | S2110303 Trade issues and policies |
| | | S2110399 Others international trade issues |
| | S2110400 | Management and Productivity Issues |
| | | S2110401 Accountability |
| | | S2110402 Ethics |
| | | S2110403 Industrial relations issues |
| | | S2110404 Labour issues |
| | | S2110405 Quality management |
| | | S2110406 Shareholder rights |
| | | S2110407 Transparency |
| | | S2110408 Wage policies |
| | | S2110499 Other management and productivity issues |
| | S2110500 | Standardization and Calibration Services |
| | | S2110501 Communication service standard |
| | | S2110502 Defence standards and calibration |
| | | S2110503 Environment standard |
| | | S2110504 Manufacturing standards and calibration |
| | | S2110505 Measurement standard and calibration |
| | | S2110506 Optical standards and calibration |
| | | S2110507 Quality assurance |
| | | S2110508 Radiation standards and calibration |
| | | S2110509 Service industries standards and calibration |
| | | S2110599 Other Standardization and calibration services |
| | S2110600 | Commercialisation |
| | | S2110601 Agribusiness management |
| | | S2110602 Contract manufacturing |
| | | S2110603 Market development studies |
| | | S2110604 Marketing |
| | | S2110605 Packaging of technologies |
| | | S2110606 Patent and licensing |
| | | S2110607 Pilot scale |
| | | S2110608 Production economics |
| | | S2110609 Techno-economic feasibility studies |
| | | S2110610 Transfer of technologies |
| | | S2110699 Other commercialisation |
| | S2110700 | Socio-Economic Development |
| | | S2110701 Affirmative action |
| | | S2110702 Distribution |
| | | S2110703 Equity issues |
| | | S2110704 Minority groups |
| | | S2110705 Poverty |
| | | S2110706 Social mobility |
| | | S2110799 Other socio-economic development |
| | S2119900 | Other Economic Framework not Elsewhere Classified |
| S2120000 | | NATURAL RESOURCES |
| | S2120100 | Soil Resources |
| | | S2120101 Soil-land degradation |
| | | S2120102 Tin tailing area rehabilitation |
| | | S2120199 Other soil resources |
| | S2120200 | Water Resources |

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|---|
| | | S2120201 Hydrology |
| | | S2120202 Water catchment |
| | | S2120203 Water management |
| | | S2120204 Water recycling and reuse |
| | | S2120205 Water standards |
| | | S2120299 Other water resources |
| | S2120300 | Biodiversity |
| | | S2120301 Animal diversity |
| | | S2120302 Fresh water biodiversity |
| | | S2120303 Marine biodiversity |
| | | S2120304 Microbial diversity |
| | | S2120305 Plant diversity |
| | | S2120306 Tropical rain forest |
| | | S2120307 Wild life conservation |
| | | S2120399 Other biodiversity |
| | S2120400 | Bioactives Product |
| | | S2120401 Animal products |
| | | S2120402 Marine products |
| | | S2120403 Microbial products |
| | | S2120404 Phytochemicals |
| | | S2120499 Other bioactive products |
| | S2120500 | Industrial Raw Materials |
| | | S2120501 Agro waste |
| | | S2120502 Clay |
| | | S2120503 Granite |
| | | S2120504 Hydrocarbons |
| | | S2120505 Limestone |
| | | S2120506 Marble |
| | | S2120507 Silica |
| | | S2120508 Wood |
| | | S2120599 Other industrial raw materials |
| | S2120600 | Mineral Resource |
| | | S2120601 Metallic |
| | | S2120602 Non-metallic |
| | | S2120699 Other mineral resources |
| | S2129900 | Other Natural Resources not Elsewhere Classified |
| S2130000 | | FOREST PRODUCTION AND FOREST PRODUCTS |
| | S2130100 | Transportation |
| | | S2130101 Land, water and air |
| | | S2130102 Road design |
| | | S2130103 Survey |
| | | S2130199 Other transportation |
| | S2130200 | Harvesting |
| | | S2130201 Machineries |
| | | S2130202 Reduced impact logging |
| | | S2130299 Other harvesting |
| | S2130300 | Natural Forests |
| | | S2130301 By product utilization |
| | | S2130302 Improved planting stock |
| | | S2130303 Medicinal plants |
| | | S2130304 Phytochemicals |
| | | S2130305 Timber |
| | | S2130306 Tourism |
| | | S2130307 Wildlife |
| | | S2130399 Other natural forests |

| CATEGORY | GROUP | AREA |
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| S2130400 | | Plantation Forests |
| | S2130401 | Composites |
| | S2130402 | Furniture |
| | S2130403 | Improved planting stock |
| | S2130404 | Pulp and paper |
| | S2130499 | Other plantation forests |
| S2130500 | | Information System |
| | S2130501 | Decision support system |
| | S2130599 | Other information system |
| S2139900 | | Other Forest Production and forest product not Elsewhere Classified |

DIVISION 3 : SOCIETY

| | | |
|-----------------|-----------------|---|
| S3010000 | | HEALTH |
| | S3010100 | Clinical (Organs, Diseases and Conditions) |
| | | S3010101 Blood disorders |
| | | S3010102 Bone and joint disorders |
| | | S3010103 Cancer |
| | | S3010104 Cardiovascular diseases |
| | | S3010105 Diabetes |
| | | S3010106 Ear, nose and throat (ENT) disorders |
| | | S3010107 Endocrine diseases |
| | | S3010108 Gastrointestinal diseases |
| | | S3010109 Hearing, vision and speech Disorders |
| | | S3010110 HIV infection |
| | | S3010111 Immune system and allergic disorders |
| | | S3010112 Infectious diseases |
| | | S3010113 Inherited diseases |
| | | S3010114 Kidney diseases |
| | | S3010115 Liver diseases |
| | | S3010116 Neurological disorders |
| | | S3010117 Nutritional disorders |
| | | S3010118 Obesity |
| | | S3010119 Oral diseases/ conditions |
| | | S3010120 Orthognathic conditions |
| | | S3010121 Reproductive disorders/ conditions |
| | | S3010122 Respiratory diseases |
| | | S3010123 Sexuality transmitted disease |
| | | S3010124 Skin and related conditions |
| | | S3010125 Vector-borne diseases |
| | | S3010126 Zoonotic diseases |
| | | S3010199 Other clinical |
| | S3010200 | Public Health |
| | | S3010201 Burden of disease |
| | | S3010202 Nutrition and the life-cycle |
| | | S3010203 Disease distribution and transmission |
| | | S3010204 Early detection of health disorders |
| | | S3010205 Electromagnetic effects |
| | | S3010206 Environmental health |
| | | S3010207 Epidemiology |
| | | S3010208 Eye and visual health |
| | | S3010209 Family health |
| | | S3010210 Food hygiene |
| | | S3010211 Food safety (public health) |
| | | S3010212 Health and women |
| | | S3010213 Health and behaviour |
| | | S3010214 Health and children |
| | | S3010215 Health and indigenous people |

| CATEGORY | GROUP | AREA |
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S3010216 Health and social structure
 S3010217 Health and the ageing
 S3010218 Health (public) indicators
 S3010219 Hearing health
 S3010220 Malignancies
 S3010221 Mental health
 S3010222 Occupational health
 S3010223 Oral health
 S3010224 Preventive medicine
 S3010225 Rehabilitative medicine
 S3010226 Substance abuse (health)
 S3010227 Urban and rural health
 S3010228 Vaccines
 S3010229 Visual health
 S3010299 Other public health

S3010300

Health and Support Services

S3010301 Alternative/ complementary services
 S3010302 Audiological services
 S3010303 Automated nursing support
 S3010304 Diagnostic methods/ kits
 S3010305 Dietetic care
 S3010306 Drug rehabilitation
 S3010307 Evaluation of health outcomes
 S3010308 Genetic counselling
 S3010309 Geriatric care
 S3010310 Health care financing
 S3010311 Health education and promotion
 S3010312 Health policy economic outcomes
 S3010313 Health policy evaluation
 S3010314 Home care services
 S3010315 Mental health care
 S3010316 Nursing care
 S3010317 Nutrition counselling
 S3010318 Occupational therapy
 S3010319 Orthoptics and vision therapy
 S3010320 Palliative care
 S3010321 Pharmaceutical care
 S3010322 Physiotherapy
 S3010323 Psychiatric care
 S3010324 Radiation protection services
 S3010325 Screening, diagnostics and rehabilitative services
 S3010326 Social and clinical Pharmacy
 S3010327 Speech therapy programme and efficacies
 S3010328 Therapy
 S3010329 Trauma counselling
 S3010399 Other health and support services

S3010400

Law

S3010401 Enforcement of biosafety
 S3010402 Enforcement of food hygiene
 S3010403 Enforcement of food safety
 S3010404 Forensic issues
 S3010499 Other law

S3019900

Other Health not Elsewhere Classified

S3020000

EDUCATION AND TRAINING

S3020100

Early Childhood and Primary Education

S3020101 Civic
 S3020102 Creative and critical thinking
 S3020103 Curriculum development
 S3020104 Knowledge orientation

| CATEGORY | GROUP | AREA |
|-----------------|-----------------|--|
| | S3020105 | Personality development |
| | S3020106 | Reading habit |
| | S3020199 | Other early childhood and primary education |
| S3020200 | | Secondary Education |
| | S3020200 | Civic |
| | S3020201 | Creative and critical thinking |
| | S3020202 | Curriculum development |
| | S3020203 | Knowledge orientation |
| | S3020204 | Personality development |
| | S3020205 | Reading habit |
| | S3020299 | Other secondary education |
| S3020300 | | Tertiary Education |
| | S3020301 | Distance education |
| | S3020302 | Higher education |
| | S3020303 | Professional development |
| | S3020304 | Personality enhancement |
| | S3020399 | Other higher education |
| S3020400 | | Technical and Further Education |
| | S3020401 | Continuing professional development (CPD) |
| | S3020402 | Continuing professional education |
| | S3020403 | Life long learning |
| | S3020404 | Skill training |
| | S3020405 | Technical and further education |
| | S3020499 | Other technical and further education |
| S3020500 | | Special Education |
| | S3020501 | Adult education |
| | S3020502 | Disadvantaged education |
| | S3020503 | Gifted education |
| | S3020504 | Handicapped education |
| | S3020505 | Moral education |
| | S3020506 | Religious education |
| | S3020599 | Other special education |
| S3020600 | | Computer Based Teaching and Learning |
| | S3020601 | Distance learning |
| | S3020602 | e-learning |
| | S3020603 | web-based learning |
| | S3020699 | Other computer based teaching and learning |
| S3020700 | | Education Policy |
| S3020800 | | Teaching |
| | S3020801 | Motivation and induction courses |
| | S3020802 | Teacher training |
| | S3020899 | Other teaching |
| S3020900 | | Educational Administration |
| S3029900 | | Other Education and Training not Elsewhere Classified |
| S3030000 | | SOCIAL DEVELOPMENT AND COMMUNITY SERVICES |
| | S3030100 | Community Services |
| | S3030101 | Aged persons services |
| | S3030102 | Disabled persons services |
| | S3030103 | Drug rehabilitation |
| | S3030104 | Family issues |
| | S3030105 | Gender issues |
| | S3030106 | Single parent |
| | S3030107 | Social services |

| CATEGORY | GROUP | AREA |
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| | S3030108 | Social support system |
| | S3030109 | Youth problems |
| | S3030199 | Other community services |
| S3030200 | | Public Services |
| | S3030201 | Civil services |
| | S3030202 | Consumer affairs |
| | S3030203 | Corrective services |
| | S3030204 | Law enforcement and reform |
| | S3030205 | Public awareness of biotechnology |
| | S3030299 | Other public services |
| S3030300 | | Art, Sport and Recreation |
| | S3030301 | Art and artistic endeavours |
| | S3030302 | Recreation |
| | S3030303 | Sport |
| | S3030399 | Other art, sport and recreation |
| S3030400 | | International Relations |
| | S3030401 | International aid |
| | S3030499 | Other international relations |
| S3030500 | | Ethical Issues |
| | S3030501 | Ethics and codes of conduct |
| | S3030599 | Other ethical issues |
| S3030600 | | Nation Building |
| | S3030601 | Antiquity studies |
| | S3030602 | Citizenship and civic culture |
| | S3030603 | Cultural literacy |
| | S3030604 | Functional literacy |
| | S3030605 | Historical heritage |
| | S3030606 | Institution building |
| | S3030607 | Managing multiculturalism |
| | S3030608 | Minority issues |
| | S3030609 | National integration |
| | S3030610 | Public policies |
| | S3030611 | Science and technology culture |
| | S3030612 | Social integration |
| | S3030699 | Other nation building |
| S3030700 | | Urban and Rural Issues |
| | S3030701 | Flood |
| | S3030702 | Housing |
| | S3030703 | Illegal hawkers |
| | S3030704 | Illegal immigrant |
| | S3030705 | Pollution |
| | S3030706 | Squatters |
| | S3030707 | Traffic |
| | S3030708 | Vice Activities |
| | S3030709 | Water shortage |
| | S3030799 | Other urban and rural issues |
| S3039900 | | Other Social Development and Community Services not Elsewhere Classified |

DIVISION 4 : ENVIRONMENT

| | | |
|-----------------|-----------------|--------------------------------|
| S4010000 | | ENVIRONMENTAL KNOWLEDGE |
| | S4010100 | Climate and Atmosphere |
| | S4010101 | Atmospheric composition |
| | S4010102 | Atmospheric processes |
| | S4010103 | Climate and atmosphere studies |

| CATEGORY | GROUP | AREA |
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S4010104 Space weather and environment
S4010105 Weather
S4010199 Other climate and atmosphere studies

S4010200 Ocean

S4010201 Oceanic composition
S4010202 Oceanic processes
S4010299 Other ocean studies

S4010300 Water

S4010301 Brackish water
S4010302 Freshwater
S4010303 Groundwater
S4010304 Inshore water
S4010305 Offshore water
S4010399 Other water studies

S4010400 Land

S4010401 Antarctic zones
S4010402 Arctic zones
S4010403 Arid zones
S4010404 Coastal zones
S4010405 Farmland
S4010406 Forest and wooded lands
S4010407 Grassland
S4010408 High country
S4010409 Mineral enclaves
S4010410 Mountainous land
S4010411 Sparse land
S4010412 Temperate zones
S4010413 Tropical zones
S4010414 Urban and rural areas
S4010415 Wetlands
S4010499 Other land studies

S4010500 Nature Conservation

S4010501 Estuarine ecosystems
S4010502 Fauna (conservation)
S4010503 Flora (conservation)
S4010504 Freshwater ecosystems
S4010505 Mangrove ecosystems
S4010506 Marine ecosystems
S4010507 Terrestrial ecosystems
S4010599 Other nature conservation

S4010600 Social Environment

S4010601 Bio safety
S4010602 Education and training
S4010603 Environment - social
S4010604 Environmental hazards
S4010605 Environmental health studies
S4010606 Protected areas
S4010607 Social development
S4010699 Other social environment studies

S4010700 Water Bodies

S4010701 Lakes and reservoir management
S4010702 River management
S4010703 Recreation
S4010704 River system
S4010705 Water catchments
S4010706 Waterfront development
S4010799 Other river

| CATEGORY | GROUP | AREA |
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| | S4019900 | Other Environmental Knowledge not Elsewhere Classified |
| S4020000 | | ENVIRONMENTAL ASPECTS OF DEVELOPMENT |
| | S4020100 | Plant Production and Plant Primary Products (Including Forestry) |
| | S4020101 | Plant production and atmosphere |
| | S4020102 | Plant production and climate |
| | S4020103 | Plant production and conservation |
| | S4020104 | Plant production and land |
| | S4020105 | Plant production and oceans |
| | S4020106 | Plant production and social environment |
| | S4020107 | Plant production and water |
| | S4020108 | Plant products and environment |
| | S4020199 | Other environmental aspects of plant production and plant primary products |
| | S4020200 | Animal Production and Animal Primary Products (Including Fishing) |
| | S4020201 | Animal production and atmosphere |
| | S4020202 | Animal production and climate |
| | S4020203 | Animal production and conservation |
| | S4020204 | Animal production and land |
| | S4020205 | Animal production and ocean |
| | S4020206 | Animal production and social environment |
| | S4020207 | Animal production and water |
| | S4020208 | Animal products and environment |
| | S4020209 | Aquaculture production and water |
| | S4020299 | Other environmental aspects of animal production |
| | S4020300 | Mineral Resources (Excluding Energy) |
| | S4020301 | Mineral resources and atmosphere |
| | S4020302 | Mineral resources and climate |
| | S4020303 | Mineral resources and conservation |
| | S4020304 | Mineral resources and land |
| | S4020305 | Mineral resources and oceans |
| | S4020306 | Mineral resources and social environment |
| | S4020307 | Mineral resources and water |
| | S4020399 | Other environmental aspects of mineral resources |
| | S4020400 | Energy Resources |
| | S4020401 | Energy resources and atmosphere |
| | S4020402 | Energy resources and climate |
| | S4020403 | Energy resources and conservation |
| | S4020404 | Energy resources and land |
| | S4020405 | Energy resources and oceans |
| | S4020406 | Energy resources and social environment |
| | S4020407 | Energy resources and water |
| | S4020499 | Other environmental aspects of energy resources |
| | S4020500 | Energy Supply |
| | S4020501 | Energy supply and atmosphere |
| | S4020502 | Energy supply and climate |
| | S4020503 | Energy supply and conservation |
| | S4020504 | Energy supply and land |
| | S4020505 | Energy supply and oceans |
| | S4020506 | Energy supply and social environment |
| | S4020507 | Energy supply and water |
| | S4020599 | Other environmental aspects of energy supply |
| | S4020600 | Manufacturing |
| | S4020601 | Manufacturing and atmosphere |
| | S4020602 | Manufacturing and climate |
| | S4020603 | Manufacturing and conservation |

| CATEGORY | GROUP | AREA |
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S4020604 Manufacturing and land
S4020605 Manufacturing and oceans
S4020606 Manufacturing and social environment
S4020607 Manufacturing and water
S4020699 Other environmental aspects of manufacturing

S4020700

Construction

S4020701 Construction and atmosphere
S4020702 Construction and climate
S4020703 Construction and conservation
S4020704 Construction and land
S4020705 Construction and notice
S4020706 Construction and oceans
S4020707 Construction and social environment
S4020708 Construction and water
S4020799 Other environmental aspects of construction

S4020800

Transport

S4020801 Transport and atmosphere
S4020802 Transport and climate
S4020803 Transport and conservation
S4020804 Transport and land
S4020805 Transport and notice
S4020806 Transport and oceans
S4020807 Transport and social environment
S4020808 Transport and water
S4020899 Other environmental aspects of transport

S4020900

Information and Communication Services

S4020901 Information and communication services and atmosphere
S4020902 Information and communication services and climate
S4020903 Information and communication services and conservation
S4020904 Information and communication services and land
S4020905 Information and communication services and oceans
S4020906 Information and communication services and social environment
S4020907 Information and communication services and water
S4020999 Other environmental aspects of information and communication services

S4021000

Commercial Services

S4021001 Commercial services and atmosphere
S4021002 Commercial services and climate
S4021003 Commercial services and conservation
S4021004 Commercial services and land
S4021005 Commercial services and oceans
S4021006 Commercial services and social environment
S4021007 Commercial services and water
S4021099 Other environmental aspects of commercial services

S4021100

Environmental Economic Framework

S4021101 Environmental economic framework
S4021102 Resource management issues
S4021199 Other environmental aspect of economic framework

S4029900

Other Environment Aspect of Development not Elsewhere Classified

S4030000

ENVIRONMENTAL MANAGEMENT AND OTHER ASPECTS

S4030100

Environmental Management

S4030101 Bioremediation
S4030102 Control of exotic species
S4030103 Development impacts
S4030104 Environmental education

| CATEGORY | GROUP | AREA |
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| | | |
|-----------------|----------|--|
| | S4030105 | Environmental hazards - human-induced |
| | S4030106 | Environmental policy and standards |
| | S4030107 | Environmental protection |
| | S4030108 | Exotic species control |
| | S4030109 | Global climate change adaptation |
| | S4030110 | Management of protected areas |
| | S4030111 | Protected areas management |
| | S4030112 | Sustainable development |
| | S4030199 | Other environmental management |
| S4030200 | | Waste Management and Recycling |
| | S4030201 | Agrowaste management |
| | S4030202 | Biohazard waste management |
| | S4030203 | Chemical waste management |
| | S4030204 | Clinical waste management |
| | S4030205 | Industrial waste treatment |
| | S4030206 | Radioactive waste management |
| | S4030207 | Solid waste management |
| | S4030208 | Waste bioremediation |
| | S4030209 | Waste water |
| | S4030299 | Other waste management and recycling |
| S4030300 | | Climate and Weather |
| | S4030301 | Climate change |
| | S4030302 | Climate variability |
| | S4030303 | Weather |
| | S4030399 | Other climate and weather |
| S4030400 | | Atmosphere (Excl. Climate and Weather) |
| | S4030401 | Atmospheric composition |
| | S4030402 | Atmospheric processes |
| | S4030499 | Other atmosphere |
| S4030500 | | Marine and Coastal Environment |
| | S4030501 | Water quality |
| | S4030502 | Control of pests and exotic species |
| | S4030503 | Integrated (ecosystem) assessment and management |
| | S4030504 | Living resources (incl. impacts of fishing non target species) |
| | S4030505 | Marine protected areas |
| | S4030506 | Oceanic processes (excl. climate related) |
| | S4030507 | Physical and chemical conditions |
| | S4030599 | Other marine and coastal environment |
| S4030600 | | Fresh Water and Estuarine Environment |
| | S4030601 | Control of pests and exotic species |
| | S4030602 | Estuarine and river areas |
| | S4030603 | Integrated (ecosystem) assessment and management |
| | S4030604 | Lake and water management |
| | S4030605 | Living resources (flora and fauna) |
| | S4030606 | Physical and chemical conditions |
| | S4030607 | Rehabilitation of fresh water bodies |
| | S4030608 | Remnant vegetation and protected conservation areas |
| | S4030609 | Water quality |
| | S4030699 | Other fresh water and estuarine environment |
| S4030700 | | Urban and Industrial Environment |
| | S4030701 | Air quality |
| | S4030702 | Control of pests and exotic species |
| | S4030703 | Industrial/degraded areas |
| | S4030704 | Integrated (ecosystem) assessment and management |
| | S4030705 | Land and water management |
| | S4030706 | Living resources (flora and fauna) |
| | S4030707 | Noise management |

| CATEGORY | GROUP | AREA |
|----------|-------|------|
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| | | |
|-----------------|----------|---|
| | S4030708 | Remnant vegetation and protected conservation areas |
| | S4030799 | Other urban and industrial environmental |
| S4030800 | | Forest and Wooded Lands |
| | S4030801 | Air quality |
| | S4030802 | Control of pests and exotic species |
| | S4030803 | Integrated (ecosystem) assessment and management |
| | S4030804 | Land and water management |
| | S4030805 | Living resources (flora and fauna) |
| | S4030806 | Non-tillage farming |
| | S4030807 | Rehabilitation/ reforestation |
| | S4030808 | Remnant vegetation and protected conservation areas |
| | S4030809 | Viable farming system |
| | S4030899 | Other forest and wooded lands |
| S4030900 | | Farmland |
| | S4030901 | Air quality |
| | S4030902 | Control of pests and exotic species |
| | S4030903 | Integrated (ecosystem) assessment and management |
| | S4030904 | Land and water management |
| | S4030905 | Living resources (flora and fauna) |
| | S4030906 | Rehabilitation of degraded farmland |
| | S4030907 | Remnant vegetation and protected conservation areas |
| | S4030999 | Other farmland |
| S4031000 | | Sparse Land (Incl. Permanent Grassland and The Arid Zone) |
| | S4031001 | Air quality |
| | S4031002 | Control of pests and exotic species |
| | S4031003 | Integrated (ecosystem) assessment and management |
| | S4031004 | Land and water management |
| | S4031005 | Living resources (flora and fauna) |
| | S4031006 | Rehabilitation of degraded sparse land |
| | S4031007 | Remnant vegetation and protected conservation areas |
| | S4031099 | Other sparse land |
| S4031100 | | Mining Environment |
| | S4031101 | Air quality |
| | S4031102 | Control of pests and exotic species |
| | S4031103 | Integrated (ecosystem) assessment and management |
| | S4031104 | Land and water management |
| | S4031105 | Living resources (flora and fauna) |
| | S4031106 | Rehabilitation of degraded mining land |
| | S4031107 | Remnant vegetation and protected conservation areas |
| | S4031199 | Other mining environment |
| S4039900 | | Other Environmental Management and Others Aspects not Elsewhere Classified |

DIVISION 5 : ADVANCEMENT OF KNOWLEDGE ¹

| | | |
|-----------------|-----------------|---|
| S5010000 | | Natural Sciences, Technologies and Engineering |
| | S5010100 | Mathematical Sciences |
| | S5010200 | Physical Sciences |
| | S5010300 | Chemical Sciences |
| | S5010400 | Earth Sciences |
| | S5010500 | Information, Computer and Communication Technologies |
| | S5010600 | Applied Sciences and Technologies |

| CATEGORY | GROUP | AREA |
|-----------------|--------------|---|
| | S5010700 | Engineering Sciences |
| | S5010800 | Biological Sciences |
| | S5010900 | Agricultural Sciences |
| | S5011000 | Medical Sciences |
| | S5011100 | Health Sciences |
| | S5011200 | Multimedia |
| | S5011300 | Aerospace Science |
| | S5011400 | Biotechnology |
| | S5019900 | Other Natural Sciences, Technologies and Engineering not Elsewhere Classified |
| S5020000 | | SOCIAL SCIENCES AND HUMANITIES |
| | S5020100 | Social Sciences |
| | S5020200 | Humanities |
| | S5020300 | Cyber Law |
| | S5029900 | Other Social Sciences and Humanities not Elsewhere Classified |

¹ Only research projects that are predominantly "pure basic research" can be classified to Division 5 : Advancement of Knowledge.