RESEARCH FIELDS, COURSES AND DISCIPLINES CLASSIFICATION (RFCD)

Division	Discipline	Subject	
210000			**SCIENCE—GENERAL**
220000			**SOCIAL SCIENCES, HUMANITIES AND ARTS—GENERAL**
230000			**MATHEMATICAL SCIENCES**
	230100		Mathematics
		230101	Mathematical Logic, Set Theory, Lattices and Combinatorics
		230102	Number Theory and Field Theory
		230103	Rings and Algebras
		230104	Category Theory, K Theory, Homological Algebra
		230105	Group Theory and Generalisations (incl. Topological Groups and Lie Groups)
		230106	Real and Complex Functions
		230107	Differential, Difference and Integral Equations
		230108	Harmonic and Fourier Analysis
		230109	Functional Analysis
		230110	Calculus of Variations and Control Theory
		230111	Geometry
		230112	Topology and Manifolds
		230113	Dynamical Systems
		230114	Functions of Several Complex Variables
		230115	Approximation Theory
		230116	Numerical Analysis
		230117	Operations Research
		230118	Optimisation
		230119	Systems Theory and Control
		230199	Mathematics not elsewhere classified
	230200		Statistics
		230201	Probability Theory
		230202	Stochastic Analysis and Modelling
		230203	Statistical Theory
		230204	Applied Statistics
		230299	Statistics not elsewhere classified
	239900		Other Mathematical Sciences
		239901	Biological Mathematics
		239902	Actuarial Mathematics
		239903	Risk Theory
		239904	Theory of Graduation
		239999	Mathematical Sciences not elsewhere classified
240000			**PHYSICAL SCIENCES**
	240100		Astronomical Sciences
		240101	Astronomy and Astrophysics
		240102	Cosmic Ray Physics
		240199	Astronomical Sciences not elsewhere classified
	240200		Theoretical and Condensed Matter Physics
		240201	Theoretical Physics
		240202	Condensed Matter Physics—Structural Properties
		240203	Condensed Matter Physics—Electronic and Magnetic Properties; Superconductivity
		240204	Condensed Matter Physics—Other
	240300		Atomic and Molecular Physics; Nuclear and Particle Physics; Plasma Physics
		240301	Atomic and Molecular Physics
		240302	Nuclear and Particle Physics
		240303	Plasmas and Electrical Discharges
		240304	Other Plasma Physics

Division	Discipline	Subject	
	240400		**Optical Physics**
		240401	Optics and Opto-electronic Physics
		240402	Quantum Optics and Lasers
		240499	Optical Physics not elsewhere classified
	240500		**Classical Physics**
		240501	Acoustics and Acoustical Devices; Waves
		240502	Fluid Physics
		240503	Thermodynamics and Statistical Physics
		240504	Electrostatics and Electrodynamics
		240599	Classical Physics not elsewhere classified
	249900		**Other Physical Sciences**
		249901	Biophysics
		249902	Medical Physics
		249903	Instruments and Techniques
		249999	Physical Sciences not elsewhere classified
250000			**CHEMICAL SCIENCES**
	250100		**Physical Chemistry (incl. Structural)**
		250101	Chemical Thermodynamics and Energetics
		250102	Chemistry of Catalysis
		250103	Colloid and Surface Chemistry
		250104	Chemical Spectroscopy
		250105	Structural Chemistry
		250106	Mechanisms of Reactions
		250107	Electrochemistry
		250199	Physical Chemistry not elsewhere classified
	250200		**Inorganic Chemistry**
		250201	Transition Metal Chemistry
		250202	Main Group Metal Chemistry
		250203	Solid State Chemistry
		250204	Bioinorganic Chemistry
		250205	Non-Metal Chemistry
		250206	f-Block Chemistry
		250299	Inorganic Chemistry not elsewhere classified
	250300		**Organic Chemistry**
		250301	Organic Chemical Synthesis
		250302	Biological and Medical Chemistry
		250303	Physical Organic Chemistry
		250399	Organic Chemistry not elsewhere classified
	250400		**Analytical Chemistry**
		250401	Separation Science
		250402	Analytical Spectrometry
		250403	Electroanalytical Chemistry
		250404	Flow Analysis
		250405	Sensor (Chemical and Bio-) Technology
		250406	Immunological and Bioassay Methods
		250407	Other Instrumental Methods
		250408	Chemometrics
		250409	Quality Assurance, Traceability and Metrological Chemistry
		250499	Analytical Chemistry not elsewhere classified
	250500		**Macromolecular Chemistry**
		250501	Synthesis of Macromolecules
		250502	Physical Chemistry of Macromolecules
		250503	Characterisation of Macromolecules
		250504	Polymerisation Mechanisms
		250599	Macromolecular Chemistry not elsewhere classified

Division	Discipline	Subject	
	250600		**Theoretical and Computational Chemistry**
		250601	Quantum Chemistry
		250602	Statistical Mechanics
		250603	Reaction Kinetics and Dynamics
		250604	Radiation and Matter
		250605	Theory of Materials
		250606	Macromolecular Design
		250699	Theoretical and Computational Chemistry not elsewhere classified
	259900		**Other Chemical Sciences**
		259901	Organometallic Chemistry
		259902	Environmental Chemistry (incl. Atmospheric Chemistry)
		259903	Industrial Chemistry
		259904	Supramolecular Chemistry
		259999	Chemical Sciences not elsewhere classified
260000			**EARTH SCIENCES**
	260100		**Geology**
		260101	Mineralogy and Crystallography
		260102	Igneous and Metamorphic Petrology
		260103	Vulcanology
		260104	Sedimentology
		260105	Petroleum Geology
		260106	Ore Deposit Petrology
		260107	Structural Geology
		260108	Geotectonics
		260109	Geochronology
		260110	Biostratigraphy
		260111	Other Stratigraphy (incl. Sequence Stratigraphy)
		260112	Palaeontology
		260113	Palynology
		260114	Geomorphology
		260115	Glaciology
		260199	Geology not elsewhere classified
	260200		**Geophysics**
		260201	Gravity
		260202	Geomagnetism
		260203	Electromagnetism
		260204	Petrophysics
		260205	Explosion Seismology
		260206	Earthquake Seismology
		260207	Radiometrics
		260299	Geophysics not elsewhere classified
	260300		**Geochemistry**
		260301	Geochronology and Isotope Geochemistry
		260302	Exploration Geochemistry
		260303	Organic Geochemistry not elsewhere classified
		260304	Inorganic Geochemistry not elsewhere classified
		260399	Geochemistry not elsewhere classified
	260400		**Oceanography**
		260401	Biological Oceanography
		260402	Chemical Oceanography
		260403	Physical Oceanography
		260499	Oceanography not elsewhere classified
	260500		**Hydrology**
		260501	Groundwater Hydrology
		260502	Surfacewater Hydrology
		260599	Hydrology not elsewhere classified

Division	Discipline	Subject	
	260600		Atmospheric Sciences
		260601	Meteorology
		260602	Climatology (incl. Palaeoclimatology)
		260603	Ionospheric and Magnetospheric Physics
		260699	Atmospheric Sciences not elsewhere classified
	269900		Other Earth Sciences
		269901	Physical Geography
		269999	Earth Sciences not elsewhere classified
270000			**BIOLOGICAL SCIENCES**
	270100		Biochemistry and Cell Biology
		270101	Analytical Biochemistry
		270102	Cell Metabolism
		270103	Protein Targeting and Signal Transduction
		270104	Membrane Biology
		270105	Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)
		270106	Cell Development (incl. Cell Division and Apoptosis)
		270107	Cell Neurochemistry
		270108	Enzymes
		270199	Biochemistry and Cell Biology not elsewhere classified
	270200		Genetics
		270201	Gene Expression
		270202	Genome Structure
		270203	Population and Ecological Genetics
		270204	Anthropological Genetics
		270205	Genetic Development (incl. Sex Determination)
		270206	Genetic Immunology
		270207	Quantitative Genetics
		270208	Molecular Evolution
		270209	Meiosis and Recombination
		270210	Neurogenetics
		270299	Genetics not elsewhere classified
	270300		Microbiology
		270301	Bacteriology
		270302	Archaebacteriology
		270303	Virology
		270304	Infectious Agents
		270305	Mycology
		270306	Microbial Genetics
		270307	Microbial Ecology
		270308	Microbial Systematics, Taxonomy and Phylogeny
		270399	Microbiology not elsewhere classified
	270400		Botany
		270401	Plant Systematics, Taxonomy and Phylogeny
		270402	Plant Physiology
		270403	Plant Pathology
		270404	Phycology
		270499	Botany not elsewhere classified
	270500		Zoology
		270501	Animal Systematics, Taxonomy and Phylogeny
		270502	Neurobiology
		270503	Animal Anatomy and Histology
		270504	Invertebrate Biology
		270599	Zoology not elsewhere classified

Division	Discipline	Subject	
	270600		Physiology
		270601	Animal Physiology—Biophysics
		270602	Animal Physiology—Cell
		270603	Animal Physiology—Systems
		270604	Comparative Physiology
		270699	Physiology not elsewhere classified
	270700		Ecology and Evolution
		270701	Freshwater Ecology
		270702	Marine and Estuarine Ecology (incl. Marine Ichthyology)
		270703	Terrestrial Ecology
		270704	Landscape Ecology
		270705	Palaeoecology
		270706	Life Histories (incl. Population Ecology)
		270707	Sociobiology and Behavioural Ecology
		270708	Conservation and Biodiversity
		270709	Biogeography
		270799	Ecology and Evolution not elsewhere classified
	270800		Biotechnology
		270801	Gene Therapy
		270802	Diagnostic Applications
		270803	Transgenesis
		270804	Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.
		270805	Genetic Engineering and Enzyme Technology
		270899	Biotechnology not elsewhere classified
	279900		Other Biological Sciences
		279901	Global Change Biology
		279999	Biological Sciences not elsewhere classified
280000			INFORMATION, COMPUTING AND COMMUNICATION SCIENCES
	280100		Information Systems
		280101	Information Systems Organisation
		280102	Information Systems Management
		280103	Information Storage, Retrieval and Management
		280104	Computer-Human Interaction
		280105	Interfaces and Presentation (excl. Computer-Human Interaction)
		280106	Interorganisational Information Systems
		280107	Global Information Systems
		280108	Database Management
		280109	Decision Support and Group Support Systems
		280110	Systems Theory
		280111	Conceptual Modelling
		280112	Information Systems Development Methodologies
		280199	Information Systems not elsewhere classified
	280200		Artificial Intelligence and Signal and Image Processing
		280201	Expert Systems
		280202	Computer Graphics
		280203	Image Processing
		280204	Signal Processing
		280205	Text Processing
		280206	Speech Recognition
		280207	Pattern Recognition
		280208	Computer Vision
		280209	Intelligent Robotics
		280210	Simulation and Modelling
		280211	Virtual Reality and Related Simulation
		280212	Neural Networks, Genetic Alogrithms and Fuzzy Logic
		280213	Other Artificial Intelligence

Division	Discipline	Subject	
	280300		Computer Software
		280301	Programming Techniques
		280302	Software Engineering
		280303	Programming Languages
		280304	Operating Systems
		280305	Multimedia Programming
		280399	Computer Software not elsewhere classified
	280400		Computation Theory and Mathematics
		280401	Analysis of Algorithms and Complexity
		280402	Mathematical Logic and Formal Languages
		280403	Logics and Meanings of Programs
		280404	Numerical Analysis
		280405	Discrete Mathematics
		280406	Mathematical Software
		280499	Computation Theory and Mathematics not elsewhere classified
	280500		Data Format
		280501	Data Structures
		280502	Data Storage Representations
		280503	Files
		280504	Data Encryption
		280505	Data Security
		280506	Coding and Information Theory
		280599	Data Format not elsewhere classified
	289900		Other Information, Computing and Communication Sciences
		289999	Other Information, Computing and Communication Sciences
290000			ENGINEERING AND TECHNOLOGY
	290100		Industrial Biotechnology and Food Sciences
		290101	Fermentation, Biotechnology and Industrial Microbiology
		290102	Food Engineering
		290103	Food Processing
		290104	Other Food Sciences
		290105	Other Industrial Biotechnology
	290200		Aerospace Engineering
		290201	Aerodynamics
		290202	Flight Dynamics
		290203	Aerospace Structures
		290204	Aircraft Performance
		290205	Flight Control Systems
		290206	Aerospace Electrical Systems
		290207	Satellite, Space Vehicle and Missile Design
		290299	Aerospace Engineering not elsewhere classified
	290300		Manufacturing Engineering
		290301	Robotics and Mechatronics
		290302	Flexible Manufacturing Systems
		290303	CAD/CAM Systems
		290304	Control Engineering
		290305	Welding Technology
		290306	Textile Technology
		290307	Printing Technology
		290308	Packaging, Storage and Transportation
		290309	Safety and Quality
		290399	Manufacturing Engineering not elsewhere classified
	290400		Automotive Engineering
		290401	Automotive Engineering
	290500		Mechanical and Industrial Engineering
		290501	Mechanical Engineering
		290502	Industrial Engineering

Division	Discipline	Subject	
	290600		Chemical Engineering
		290601	Chemical Engineering Design
		290602	Process Control and Simulation
		290603	Membrane and Separation Technologies
		290699	Chemical Engineering not elsewhere classified
	290700		Resources Engineering
		290701	Mining Engineering
		290702	Mineral Processing
		290703	Petroleum and Reservoir Engineering
		290704	Geomechanics
		290799	Resources Engineering not elsewhere classified
	290800		Civil Engineering
		290801	Structural Engineering
		290802	Water and Sanitary Engineering
		290803	Transport Engineering
		290804	Construction Engineering
		290805	Geotechnical Engineering
		290899	Civil Engineering not elsewhere classified
	290900		Electrical and Electronic Engineering
		290901	Electrical Engineering
		290902	Integrated Circuits
		290903	Other Electronic Engineering
	291000		Geomatic Engineering
		291001	Geodesy
		291002	Surveying
		291003	Photogrammetry and Remote Sensing
		291004	Spatial Information Systems
		291005	Navigation and Position Fixing
		291006	Cartography
		291099	Geomatic Engineering not elsewhere classified
	291100		Environmental Engineering
		291101	Environmental Engineering Modelling
		291102	Bio-remediation
		291103	Environmental Engineering Design
		291104	Environmental Technologies
		291199	Environmental Engineering not elsewhere classified
	291200		Maritime Engineering
		291201	Naval Architecture
		291202	Ship and Platform Hydrodynamics
		291203	Ship and Platform Structures
		291204	Marine Engineering
		291205	Ocean Engineering
		291206	Special Vehicles
		291299	Maritime Engineering not elsewhere classified
	291300		Metallurgy
		291301	Process Metallurgy
		291302	Physical Metallurgy
	291400		Materials Engineering
		291401	Polymers
		291402	Composite Materials
		291403	Alloy Materials
		291404	Ceramics
		291405	Timber
		291406	Pulp and Paper
		291407	Plastics
		291499	Materials Engineering not elsewhere classified

Division	Discipline	Subject	
	291500		Biomedical Engineering
		291501	Clinical Engineering
		291502	Rehabilitation Engineering
		291503	Biomaterials
		291504	Biomechanical Engineering
		291599	Biomedical Engineering not elsewhere classified
	291600		Computer Hardware
		291601	Arithmetic and Logic Structures
		291602	Memory Structures
		291603	Input, Output and Data Devices
		291604	Logic Design
		291605	Processor Architectures
		291699	Computer Hardware not elsewhere classified
	291700		Communications Technologies
		291701	Antenna Technology
		291702	Optical and Photonic Systems
		291703	Digital Systems
		291704	Computer Communications Networks
		291705	Microwave and Millimetrewave Technology
		291706	Broadband Network Technology
		291707	Modem Technology
		291708	Baseband Technology
		291709	Satellite Communications
		291710	Radio Communications and Broadcasting not elsewhere classified
		291799	Communications Technologies not elsewhere classified
	291800		Interdisciplinary Engineering
		291801	Fluidization and Fluid Mechanics
		291802	Heat and Mass Transfer Operations
		291803	Turbulent Flows
		291804	Nanotechnology
		291899	Interdisciplinary Engineering not elsewhere classified
	299900		Other Engineering and Technology
		299901	Agricultural Engineering
		299902	Combustion and Fuel Engineering
		299903	Biosensor Technologies
		299904	Engineering/Technology Instrumentation
		299999	Engineering and Technology not elsewhere classified
300000			AGRICULTURAL, VETERINARY AND ENVIRONMENTAL SCIENCES
	300100		Soil and Water Sciences
		300101	Soil Physics
		300102	Soil Biology
		300103	Soil Chemistry
		300104	Land Capability and Soil Degradation
		300105	Applied Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)
		300199	Soil and Water Sciences not elsewhere classified
	300200		Crop and Pasture Production
		300201	Plant Biochemistry and Physiology
		300202	Plant Nutrition
		300203	Plant Improvement (Selection, Breeding and Genetic Engineering)
		300204	Plant Protection (Pests, Diseases and Weeds)
		300205	Agronomy
		300206	Post Harvest Technologies (Transportation and Storage)
		300299	Crop and Pasture Production not elsewhere classified

Division	Discipline	Subject	
	300300		Horticulture
		300301	Plant Improvement (Selection, Breeding and Genetic Engineering)
		300302	Plant Growth and Development
		300303	Plant Protection (Pests, Diseases and Weeds)
		300304	Post Harvest Technologies
		300305	Oenology and Viticulture
		300399	Horticulture not elsewhere classified
	300400		Animal Production
		300401	Animal Breeding
		300402	Animal Reproduction
		300403	Animal Nutrition
		300404	Animal Husbandry
		300405	Animal Protection (Pests and Pathogens)
		300406	Animal Growth and Development
		300499	Animal Production not elsewhere classified
	300500		Veterinary Sciences
		300501	Veterinary Medicine
		300502	Anaesthesiology and Intensive Care
		300503	Epidemiology
		300504	Immunology
		300505	Anatomy and Physiology
		300506	Pathology
		300507	Microbiology (excl. Virology)
		300508	Parasitology
		300509	Radiology and Imaging
		300510	Virology
		300511	Surgery
		300512	Pharmacology
		300599	Veterinary Sciences not elsewhere classified
	300600		Forestry Sciences
		300601	Nutrition and Physiology
		300602	Tree Improvement (Selection, Breeding and Genetic Engineering)
		300603	Pests, Health and Diseases
		300604	Management and Environment
		300605	Fire Management
		300606	Agroforestry
		300699	Forestry Sciences not elsewhere classified
	300700		Fisheries Sciences
		300701	Physiology and Genetics
		300702	Pests and Diseases
		300703	Aquaculture
		300704	Ecosystem Studies and Stock Assessment
		300705	Evaluation of Management Strategies
		300799	Fisheries Sciences not elsewhere classified
	300800		Environmental Sciences
		300801	Environmental Management and Rehabilitation
		300802	Wildlife and Habitat Management
		300803	Natural Resource Management
		300804	Environmental Impact Assessment
		300805	Conservation
		300899	Environmental Sciences not elsewhere classified
	300900		Land, Parks and Agriculture Management
		300901	Farm Management, Rural Management and Agribusiness
		300902	Land and Parks Management
		300903	Sustainable Development
		300999	Land, Parks and Agriculture Management not elsewhere classified

Division	Discipline	Subject	
	309900		Other Agricultural, Veterinary and Environmental Sciences
		309901	Fertilisers and Agrochemicals (Application etc.)
		309902	Education and Extension
		309999	Agricultural, Veterinary and Environmental Sciences not elsewhere classified
310000			ARCHITECTURE, URBAN ENVIRONMENT AND BUILDING
	310100		Architecture and Urban Environment
		310101	Architecture
		310102	Heritage and Conservation
		310103	Urban and Regional Planning
		310104	Landscape Planning
		310105	History of the Built Environment
		310106	Interior and Environmental Design
		310199	Architecture and Urban Environment not elsewhere classified
	310200		Building
		310201	Building Science and Techniques
		310202	Building Construction Management
		310203	Building Construction Economics (incl. Quantity Surveying)
		310299	Building not elsewhere classified
	319900		Other Architecture, Urban Environment and Building
		319999	Other Architecture, Urban Environment and Building
320000			MEDICAL AND HEALTH SCIENCES
	320100		Medicine—general
	320200		Immunology
		320201	Allergy
		320202	Cellular Immunology
		320203	Humoral Immunology and Immunochemistry
		320204	Immunogenetics
		320205	Transplantation Immunology
		320206	Tumor Immunology
		320207	Autoimmunity
		320299	Immunology not elsewhere classified
	320300		Medical Biochemistry and Clinical Chemistry
		320301	Clinical Chemistry
		320302	Medical Biochemistry: Carbohydrates
		320303	Medical Biochemistry: Lipids
		320304	Medical Biochemistry: Nucleic Acids
		320305	Medical Biochemistry: Proteins and Peptides
		320306	Medical Biochemistry: Phospholipids
		320307	Medical Biochemistry: Other
	320400		Medical Microbiology
		320401	Medical Bacteriology
		320402	Medical Virology
		320403	Medical Infection Agents (incl. Prions)
		320404	Medical Mycology
		320405	Medical Parasitology
		320499	Medical Microbiology not elsewhere classified
	320500		Pharmacology and Pharmaceutical Sciences
		320501	Pharmaceutical Sciences and Pharmacy
		320502	Basic Pharmacology
		320503	Clinical Pharmacology and Therapeutics
		320504	Toxicology (incl. Clinical Toxicology)
		320599	Pharmacology not elsewhere classified

Division	Discipline	Subject	
	320600		**Medical Physiology**
		320601	Human Biophysics
		320602	Cell Physiology
		320603	Systems Physiology
		320699	Medical Physiology not elsewhere classified
	320700		**Neurosciences**
		320701	Autonomic Nervous System
		320702	Central Nervous System
		320703	Peripheral Nervous System
		320704	Cellular Nervous System
		320705	Sensory Systems
		320799	Neurosciences not elsewhere classified
	320800		**Dentistry**
		320801	Oral Surgery
		320802	Dentistry Support
		320803	Dental Technology
		320804	Dental Therapy
		320899	Dentistry not elsewhere classified
	320900		**Optometry**
		320901	Optical Technology
		320999	Optometry not elsewhere classified
	321000		**Clinical Sciences**
		321001	Anaesthesiology
		321002	Dermatology
		321003	Cardiology (incl. Cardiovascular Diseases)
		321004	Endocrinology
		321005	Fetal Development and Medicine
		321006	Gastroenterology and Hepatology
		321007	Geriatrics and Gerontology
		321008	Haematology
		321009	Intensive Care
		321010	Infectious Diseases
		321011	Medical Genetics
		321012	Nephrology and Urology
		321013	Neurology and Neuromuscular Diseases
		321014	Obstetrics and Gynaecology
		321015	Oncology and Carcinogenesis
		321016	Opthalmology and Vision Science
		321017	Orthopaedics
		321018	Otorhinolaryngology
		321019	Paediatrics
		321020	Pathology
		321021	Psychiatry
		321022	Radiology and Organ Imaging
		321023	Radiotherapy and Nuclear Medicine
		321024	Rehabilitation and Therapy: Occupational and Physical
		321025	Rehabilitation and Therapy: Hearing and Speech
		321026	Reproduction
		321027	Respiratory Diseases
		321028	Rheumatology and Arthritis
		321029	Surgery
		321030	Venereology
		321099	Clinical Sciences not elsewhere classified

Division	Discipline	Subject	
	321100		Nursing
		321101	Midwifery
		321102	Clinical Nursing: Primary (Preventative)
		321103	Clinical Nursing: Secondary (Acute Care)
		321104	Clinical Nursing: Tertiary (Rehabilitative)
		321105	Mental Health Nursing
		321106	Aged Care Nursing
		321199	Nursing not elsewhere classified
	321200		Public Health and Health Services
		321201	Environmental and Occupational Health and Safety
		321202	Epidemiology
		321203	Health Information Systems (incl. Surveillance)
		321204	Mental Health
		321205	Nutrition and Dietetics
		321206	Preventive Medicine
		321207	Indigenous Health
		321208	Primary Health Care
		321209	Family Care
		321210	Community Child Health
		321211	Residential Client Care
		321212	Care for Disabled
		321213	Human Bioethics
		321214	Health and Community Services
		321215	Health Care Administration
		321216	Health Promotion
		321217	Health Counselling
		321299	Public Health and Health Services not elsewhere classified
	321300		Complementary/alternative Medicine
		321301	Oriental Medicine and Treatments
		321302	Chiropractic
		321303	Naturopathy
		321399	Complementary/Alternative Medicine not elsewhere classified
	321400		Human Movement and Sports Science
		321401	Exercise Physiology
		321402	Biomechanics
		321403	Motor Control
		321404	Sport and Exercise Psychology
		321405	Sports Medicine
		321499	Human Movement and Sports Science not elsewhere classified
	329900		Other Medical and Health Sciences
		329901	Podiatry
		329902	Medical Biotechnology
		329903	Therapies and Therapeutic Technology
		329999	Medical and Health Sciences not elsewhere classified
330000			EDUCATION
	330100		Education Studies
		330101	Educational Psychology
		330102	History and Philosophy of Education
		330103	Sociology of Education
		330104	Educational Policy, Administration and Management
		330105	Educational Counselling
		330106	Comparative Education
		330107	Educational Technology and Media
		330108	Special Education
		330109	Assessment and Evaluation
		330199	Education Studies not elsewhere classified

Division	Discipline	Subject	
	330200		Curriculum Studies
		330201	Curriculum Studies: English Education
		330202	Curriculum Studies: Mathematics Education
		330203	Curriculum Studies: Science Education
		330204	Curriculum Studies: Economics, Commerce, Management and Services Education
		330205	Curriculum Studies: Other Social Sciences, Humanities and Arts Education
		330206	Curriculum Theory and Development
		330299	Curriculum Studies not elsewhere classified
	330300		Professional Development of Teachers
		330301	Teacher Education: Early Childhood
		330302	Teacher Education: Primary
		330303	Teacher Education: Secondary
		330304	Teacher Education: Vocational Education and Training
		330305	Teacher Education: Higher Education
		330306	Teacher Education: Special Education
		330307	Teacher Education: Nursing and Health
		330399	Professional Development of Teachers not elsewhere classified
	339900		Other Education
		339999	Other Education
340000			ECONOMICS
	340100		Economic Theory
		340101	Microeconomic Theory
		340102	Macroeconomic Theory
		340103	Mathematical Economics
		340199	Economic Theory not elsewhere classified
	340200		Applied Economics
		340201	Agricultural Economics
		340202	Environment and Resource Economics
		340203	Finance Economics
		340204	Health Economics
		340205	Industry Economics and Industrial Organisation
		340206	International Economics and International Finance
		340207	Labour Economics
		340208	Macroeconomics (incl. Monetary and Fiscal Theory)
		340209	Public Sector Economics
		340210	Welfare Economics
		340211	Transport Economics
		340212	Economic Geography
		340213	Economic Development and Growth
		340214	Urban and Regional Economics
		340299	Applied Economics not elsewhere classified
	340300		Economic History and History of Economic Thought
		340301	Economic History
		340302	History of Economic Thought
	340400		Econometrics
		340401	Economic Models and Forecasting
		340402	Econometric and Statistical Methods
		340403	Time-Series Analysis
		340404	Cross-Sectional Analysis
		340405	Panel Data Analysis
		340499	Econometrics not elsewhere classified
	349900		Other Economics
		349901	Political Economy
		349902	Comparative Economic Systems
		349999	Economics not elsewhere classified

Division	Discipline	Subject	
350000			**COMMERCE, MANAGEMENT, TOURISM AND SERVICES**
	350100		Accounting, Auditing and Accountability
		350101	Financial Accounting
		350102	Management Accounting
		350103	Auditing and Accountability
		350104	Taxation
		350105	Bookkeeping
		350106	International Accounting
		350107	Other Accounting
	350200		Business and Management
		350201	Human Resources Management
		350202	Business Information Systems (incl. Data Processing)
		350203	Industrial Relations
		350204	Marketing and Market Research
		350205	Sales and Distribution
		350206	Advertising and Public Relations
		350207	Office Services
		350208	Organisational Planning and Management
		350209	Small Business Management
		350210	Quality Management
		350211	Innovation and Technology Management
		350212	International Business
		350213	Electronic Commerce
		350299	Business and Management not elsewhere classified
	350300		Banking, Finance and Investment
		350301	Finance
		350302	Financial Econometrics
		350303	Financial Institutions (incl. Banking)
		350304	Insurance Studies
		350399	Banking, Finance and Investment not elsewhere classified
	350400		Transportation
		350401	Aeronautical Transportation
		350402	Aircrew Training
		350403	Nautical Transportation
		350404	Marine Crew Training
		350405	Road and Rail Transportation
		350499	Transportation not elsewhere classified
	350500		Tourism
		350501	Tourism Policy and Planning
		350502	Tourism Resource Appraisal
		350503	Impacts of Tourism
		350504	Tourist Behaviour
		350505	Tourism Economics
		350506	Tourism Forecasting
		350507	Tourism Management
		350508	Tourism Marketing
		350599	Tourism not elsewhere classified
	350600		Services
		350601	Hospitality Management
		350602	Food and Hospitality Services
		350603	Real Estate and Valuation
		350604	Professional Services (Legal, Management Consulting, etc.)
		350605	Other Retail Services
		350606	Wholesale Services
		350699	Services not elsewhere classified
	359900		Other Commerce, Management, Tourism and Services
		359999	Other Commerce, Management, Tourism and Services

Division	Discipline	Subject	
360000			**POLICY AND POLITICAL SCIENCE**
	360100		Political Science
		360101	Australian Government and Politics
		360102	Comparative Government and Politics
		360103	Federalism and Intergovernmental Relations
		360104	Political Theory and Political Philosophy
		360105	International Relations
		360199	Political Science not elsewhere classified
	360200		Policy and Administration
		360201	Public Policy
		360202	Public Administration
		360203	Research, Science and Technology Policy
		360204	Defence Studies
		360299	Policy and Administration not elsewhere classified
	369900		Other Policy and Political Science
		369999	Other Policy and Political Science
370000			**STUDIES IN HUMAN SOCIETY**
	370100		Sociology
		370101	Social Theory
		370102	Social Policy and Planning
		370103	Race and Ethnic Relations
		370104	Urban Sociology and Community Studies
		370105	Applied Sociology, Program Evaluation and Social Impact Assessment
		370106	Sociological Methodology and Research Methods
		370107	Social Change
		370199	Sociology not elsewhere classified
	370200		Social Work
		370201	Clinical Social Work Practice
		370202	Social Program Evaluation
		370203	Social Policy
		370204	Counselling, Welfare and Community Services
		370299	Social Work not elsewhere classified
	370300		Anthropology
		370301	Biological (Physical) Anthropology
		370302	Social and Cultural Anthropology
		370303	Linguistic Anthropology
		370399	Anthropology not elsewhere classified
	370400		Human Geography
		370401	Urban and Regional Studies
		370402	Social and Cultural Geography
		370403	Recreation and Leisure Studies
		370499	Human Geography not elsewhere classified
	370500		Demography
		370501	Population Trends and Policies
		370502	Migration
		370503	Fertility
		370504	Family and Household Studies
		370599	Demography not elsewhere classified
	370600		History and Philosophy of Science and Medicine
		370601	History and Philosophy of Science and Technology
		370602	Sociology and Social Studies of Science and Technology
		370603	History and Philosophy of Medicine
		370699	History and Philosophy of Science and Medicine not elsewhere classified

Division	Discipline	Subject	
	379900		Other Studies in Human Society
		379901	Gender Specific Studies
		379902	Aboriginal Studies
		379999	Studies in Human Society not elsewhere classified
380000			BEHAVIOURAL AND COGNITIVE SCIENCES
	380100		Psychology
		380101	Sensory Processes, Perception and Performance
		380102	Learning, Memory, Cognition and Language
		380103	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)
		380104	Personality, Abilities and Assessment
		380105	Social and Community Psychology
		380106	Developmental Psychology and Ageing
		380107	Health, Clinical and Counselling Psychology
		380108	Industrial and Organisational Psychology
		380109	Psychological Methodology, Design and Analysis
		380199	Psychology not elsewhere classified
	380200		Linguistics
		380201	Applied Linguistics and Educational Linguistics
		380202	Computational Linguistics
		380203	Discourse and Pragmatics
		380204	Laboratory Phonetics and Speech Science
		380205	Language in Culture and Society (Sociolinguistics)
		380206	Language in Time and Space (incl. Historical Linguistics, Dialectology)
		380207	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
		380208	Lexicography
		380299	Linguistics not elsewhere classified
	380300		Cognitive Science
		380301	Philosophy of Cognition
		380302	Linguistic Processes (incl. Speech Production and Comprehension)
		380303	Computer Perception, Memory and Attention
		380304	Neurocognitive Patterns and Neural Networks
		380305	Knowledge Representation and Machine Learning
		380306	Planning and Problem Solving
		380399	Cognitive Science not elsewhere classified
	389900		Other Behavioural and Cognitive Sciences
		389999	Other Behavioural and Cognitive Sciences
390000			LAW, JUSTICE AND LAW ENFORCEMENT
	390100		Law
		390101	Administrative Law
		390102	Comparative Law
		390103	Constitutionalism and Constitutional Law
		390104	Commercial and Contract Law
		390105	Corporations and Associations Law
		390106	Criminal Law
		390107	Environmental and Natural Resources Law
		390108	Family Law
		390109	Civil Law
		390110	Indigenous Law
		390111	International Law
		390112	Law and Literature
		390113	Legal History
		390114	Intellectual Property
		390115	Property Law and Conveyancing (excl. Intellectual Property)
		390116	Labour Law
		390117	Tort Law

Division	Discipline	Subject	
	390100		Law *continued*
		390118	Taxation Law
		390119	Equity Law
		390120	Trust Law
		390199	Law not elsewhere classified
	390200		Professional Development of Law Practitioners
		390201	Legal Practice
		390202	Adjudication
		390203	Legal Education
		390204	Professional Ethics
		390299	Professional Development of Law Practitioners not elsewhere classified
	390300		Justice and Legal Studies
		390301	Justice Systems and Administration
		390302	Jurisprudence and Legal Theory
		390303	Human Rights
		390304	Counselling and Mediation Services
		390305	Law and Society
		390399	Justice and Legal Studies not elsewhere classified
	390400		Law Enforcement
		390401	Criminology
		390402	Evidence and Procedure
		390403	Police Administration, Procedures and Practice
		390404	Detection and Prevention of Crime; Security Services
		390405	Correctional Theory and Services; Penology
		390499	Law Enforcement not elsewhere classified
	399900		Other Law, Justice and Law Enforcement
		399901	History and Philosophy of Law and Justice
		399999	Law, Justice and Law Enforcement not elsewhere classified
400000			JOURNALISM, LIBRARIANSHIP AND CURATORIAL STUDIES
	400100		Journalism, Communication and Media
		400101	Journalism
		400102	Technical Writing
		400103	Professional Creative Writing
		400104	Communication and Media Studies
		400199	Journalism, Communication and Media not elsewhere classified
	400200		Librarianship
		400201	Librarianship
	400300		Curatorial Studies
		400301	Museum Studies
		400302	Archival Studies
		400303	Materials Conservation
		400399	Curatorial Studies not elsewhere classified
	409900		Other Journalism, Librarianship and Curatorial Studies
		409999	Other Journalism, Librarianship and Curatorial Studies
410000			THE ARTS
	410100		Performing Arts
		410101	Music
		410102	Drama, Theatre and Performance Studies
		410103	Dance
		410104	Indigenous Performing Arts
		410199	Performing Arts not elsewhere classified

Division	Discipline	Subject	
	410200		Visual Arts and Crafts
		410201	Graphic Arts
		410202	Fine Arts (incl. Sculpture and Painting)
		410203	Photography
		410204	Crafts
		410299	Visual Arts and Crafts not elsewhere classified
	410300		Cinema, Electronic Arts and Multimedia
		410301	Film and Video
		410302	Cinema Studies
		410303	Multimedia
		410304	Other Cinema and Electronic Arts
	410400		Design Studies
		410401	Design Theory
		410402	Design Innovation
		410403	Design Studio Practice
		410404	Design Management and Professional Practice
		410405	Design History and Cultural Theory
		410499	Design Studies not elsewhere classified
	419900		Other Arts
		419901	Art History and Appreciation
		419999	The Arts not elsewhere classified
420000			LANGUAGE AND CULTURE
	420100		Language Studies
		420101	English
		420102	English as a Second Language
		420103	Aboriginal Languages
		420104	Latin
		420105	Greek
		420106	French
		420107	German
		420108	Italian
		420109	Spanish
		420110	Russian
		420111	Other European Languages
		420112	Chinese Languages
		420113	Japanese
		420114	Indonesian Languages
		420115	Malaysian Languages
		420116	Indian Languages
		420117	Korean
		420118	Vietnamese Languages
		420119	Thai Languages
		420120	Other Asian Languages
		420121	Comparative Language Studies
		420122	Oracy and Oral Traditions
		420199	Language Studies not elsewhere classified
	420200		Literature Studies
		420201	British and Irish
		420202	Australian and New Zealand
		420203	North American
		420204	South American
		420205	Latin and Classical Greek
		420206	French
		420207	German
		420208	Italian
		420209	Russian
		420210	Other European
		420211	Chinese

Division	Discipline	Subject	
	420200		Literature Studies *continued*
		420212	Japanese
		420213	Indonesian
		420214	Indian
		420215	Other Asian
		420216	Comparative Literature Studies
		420217	Textual Transmission and the Material Record
		420218	Literary Theory
		420219	Stylistics
		420220	Folklore, Myth and Mythologies
		420299	Literature Studies not elsewhere classified
	420300		Cultural Studies
		420301	Cultural Policy Studies
		420302	Cultural Theory
		420303	Culture, Gender, Sexuality
		420304	Screen and Media Culture
		420305	Aboriginal Cultural Studies
		420306	Postcolonial and Global Cultural Studies
		420307	Consumption and Everyday Life
		420308	Multicultural, Intercultural and Cross-cultural Studies
		420399	Cultural Studies not elsewhere classified
	429900		Other Language and Culture
		429999	Other Language and Culture
430000			HISTORY AND ARCHAEOLOGY
	430100		Historical Studies
		430101	History: Australian
		430102	History: Asian
		430103	History: Pacific
		430104	History: North American
		430105	History: Latin American
		430106	History: African
		430107	History: British
		430108	History: European
		430109	History: Middle Eastern
		430110	History: Classical Greek and Roman
		430111	History: Other
		430112	Biography
		430199	Historical Studies not elsewhere classified
	430200		Archaeology and Prehistory
		430201	Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
		430202	Archaeology of Agricultural and Pastoral Societies
		430203	Archaeology of Complex Societies: Europe, the Mediterranean and the Levant
		430204	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
		430205	Historical Archaeology (incl. Industrial Archaeology)
		430206	Maritime Archaeology
		430207	Archaeological Science
		430299	Archaeology and Prehistory not elsewhere classified
	439900		Other History and Archaeology
		439999	Other History and Archaeology

Division	Discipline	Subject	
440000			**PHILOSOPHY AND RELIGION**
	440100		Philosophy
		440101	Aesthetics
		440102	Epistemology
		440103	Ethical Theory
		440104	Applied Ethics (incl. Bioethics and Environmental Ethics)
		440105	History of Philosophy and History of Ideas
		440106	Logic
		440107	Metaphysics
		440108	Philosophy of Language
		440109	Philosophy of Mind (excl. Cognition)
		440110	Social Philosophy
		440111	Phenomenology
		440112	Hermeneutic Theory
		440113	Comparative Philosophy
		440114	Philosophy of Action
		440115	Philosophy of Specific Cultures (e.g. Ancient Greek, Chinese)
		440199	Philosophy not elsewhere classified
	440200		Religion and Religious Traditions
		440201	Hindu Studies
		440202	Buddhist Studies
		440203	Jewish Studies
		440204	Christian Theology (incl. Biblical Studies and Church History)
		440205	Islamic Studies
		440206	Studies in Other Religious Traditions
		440207	Religion and Society
		440208	Psychology of Religion
		440209	Philosophy of Religion
		440299	Religion and Religious Traditions not elsewhere classified
	449900		Other Philosophy and Religion
		449999	Other Philosophy and Religion

DEFINITIONS

DIVISION 210000 SCIENCE—GENERAL

This division is for use in classifying general courses which cannot be allocated to a more specific division.

DIVISION 220000 SOCIAL SCIENCES, HUMANITIES AND ARTS—GENERAL

This division is for use in classifying general courses which cannot be allocated to a more specific division.

DIVISION 230000 MATHEMATICAL SCIENCES

This division covers mathematics, statistics and other mathematical sciences.

This division has three disciplines:

230100 Mathematics
230200 Statistics
239900 Other Mathematical Sciences

Exclusions:
(a) Mathematics associated with computer science is included in Division 280000 Information, Computing and Communication Sciences; and
(b) mathematics and statistics applied in economics are included in Division 340000 Economics.

DISCIPLINE 230100 MATHEMATICS

This discipline covers mathematics.

This discipline has twenty subjects:

230101 Mathematical Logic, Set Theory, Lattices and Combinatorics
230102 Number Theory and Field Theory
230103 Rings and Algebras
230104 Category Theory, K Theory, Homological Algebra
230105 Group Theory and Generalisations (incl. Topological Groups and Lie Groups)
230106 Real and Complex Functions
230107 Differential, Difference and Integral Equations
230108 Harmonic and Fourier Analysis
230109 Functional Analysis
230110 Calculus of Variations and Control Theory
230111 Geometry
230112 Topology and Manifolds
230113 Dynamical Systems
230114 Functions of Several Complex Variables
230115 Approximation Theory
230116 Numerical Analysis
230117 Operations Research
230118 Optimisation
230119 Systems Theory and Control
230199 Mathematics not elsewhere classified

Exclusions:
(a) Mathematics associated with computer science is included in Division 280000 Information, Computing and Communication Sciences;
(b) geodesy is included in Discipline 291000 Geomatic Engineering; and
(c) mathematics applied in economics is included in Division 340000 Economics.

DISCIPLINE 230200 STATISTICS

This discipline covers statistics.

This discipline has five subjects:

230201 Probability Theory
230202 Stochastic Analysis and Modelling
230203 Statistical Theory
230204 Applied Statistics
230299 Statistics not elsewhere classified

Exclusions:
Econometrics, time series analysis and related disciplines are included in Discipline 340400 Econometrics.

DISCIPLINE 239900 OTHER MATHEMATICAL SCIENCES

This discipline covers any mathematical sciences not elsewhere classified.

This discipline has five subjects:

239901 Biological Mathematics
239902 Actuarial Mathematics
239903 Risk Theory
239904 Theory of Graduation
239999 Mathematical Sciences not elsewhere classified

Exclusions:
(a) Mathematics associated with computer science is included in Division 280000 Information, Computing and Communication Sciences;
(b) mathematics and statistics applied in economics are included in Division 340000 Economics; and
(c) life insurance mathematics is included in Discipline 350300 Banking, Finance and Investment.

DIVISION 240000 PHYSICAL SCIENCES

This division covers the physical sciences.

It includes biophysics (other than human biophysics) and medical physics.

This division has six disciplines:

240100 Astronomical Sciences
240200 Theoretical and Condensed Matter Physics
240300 Atomic and Molecular Physics; Nuclear and Particle Physics; Plasma Physics
240400 Optical Physics
240500 Classical Physics
249900 Other Physical Sciences

Exclusions:
(a) Geophysics is included in Discipline 260200 Geophysics;
(b) ionospheric and magnetospheric physics are included in Discipline 260600 Atmospheric Sciences;
(c) technological aspects of the physical sciences are included in the appropriate disciplines in Division 290000 Engineering and Technology;
(d) soil physics is included in Discipline 300100 Soil and Water Sciences; and
(e) human biophysics is included in Discipline 320600 Medical Physiology.

DISCIPLINE 240100 ASTRONOMICAL SCIENCES

This discipline covers astronomical sciences, including cosmology.

This discipline has three subjects:

240101 Astronomy and Astrophysics
240102 Cosmic Ray Physics
240199 Astronomical Sciences not elsewhere classified

Exclusions:
Remote sensing and satellite technology are included in Discipline 290200 Aerospace Engineering.

DISCIPLINE 240200 THEORETICAL AND CONDENSED MATTER PHYSICS

This discipline covers theoretical and condensed matter physics.

This discipline has four subjects:

240201 Theoretical Physics
240202 Condensed Matter Physics—Structural Properties
240203 Condensed Matter Physics—Electronic and Magnetic Properties; Superconductivity
240204 Condensed Matter Physics—Other

DISCIPLINE 240300 ATOMIC AND MOLECULAR PHYSICS; NUCLEAR AND PARTICLE PHYSICS; PLASMA PHYSICS

This discipline covers atomic, molecular, nuclear, particle and plasma physics.

This discipline has four subjects:

240301 Atomic and Molecular Physics
240302 Nuclear and Particle Physics
240303 Plasmas and Electrical Discharges
240304 Other Plasma Physics

Exclusions:
Related chemicals are included in Disciplines 250100 Physical Chemistry (incl. Structural) and 250600 Theoretical and Computational Chemistry.

DISCIPLINE 240400 OPTICAL PHYSICS

This discipline covers optical physics.

This discipline has three subjects:

240401 Optics and Opto-electronic Physics
240402 Quantum Optics and Lasers
240499 Optical Physics not elsewhere classified

Exclusions:
Communications technologies are included in Discipline 291700 Communications Technologies.

DISCIPLINE 240500 CLASSICAL PHYSICS

This discipline covers classical physics.

This discipline has five subjects:

240501 Acoustics and Acoustical Devices; Waves
240502 Fluid Physics
240503 Thermodynamics and Statistical Physics
240504 Electrostatics and Electrodynamics
240599 Classical Physics not elsewhere classified

Exclusions:
Communications technologies are included in Discipline 291700 Communications Technologies.

DISCIPLINE 249900 OTHER PHYSICAL SCIENCES

This discipline covers any physical sciences not elsewhere classified.

It includes biophysics (other than human biophysics), medical physics and instruments and techniques.

This discipline has four subjects:

249901 Biophysics
249902 Medical Physics
249903 Instruments and Techniques
249999 Physical Sciences not elsewhere classified

Exclusions:
(a) Geophysics is included in Discipline 260200 Geophysics;
(b) ionospheric and magnetospheric physics are included in Discipline 260600 Atmospheric Sciences;
(c) technological aspects of the physical sciences are included in the appropriate disciplines in Division 290000 Engineering and Technology;
(d) soil physics is included in Discipline 300100 Soil and Water Sciences; and
(e) human biophysics is included in Discipline 320600 Medical Physiology.

DIVISION 250000 CHEMICAL SCIENCES

This division covers the chemical sciences.

It includes immunological and bioassay methods. It also includes atmospheric chemistry.

This division has seven disciplines:

250100 Physical Chemistry (Incl. Structural)
250200 Inorganic Chemistry
250300 Organic Chemistry
250400 Analytical Chemistry
250500 Macromolecular Chemistry
250600 Theoretical and Computational Chemistry
259900 Other Chemical Sciences

Exclusions:
(a) Geochemistry is included in Discipline 260300 Geochemistry;
(b) biochemistry is included in Discipline 270100 Biochemistry and Cell Biology;
(c) chemical engineering is included in Discipline 290600 Chemical Engineering;
(d) soil chemistry is included in Discipline 300100 Soil and Water Sciences; and
(e) medical biochemistry and clinical chemistry is included in Discipline 320300 Medical Biochemistry and Clinical Chemistry.

DISCIPLINE 250100 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)

This discipline covers physical chemistry.

This discipline has eight subjects:

250101 Chemical Thermodynamics and Energetics
250102 Chemistry of Catalysis
250103 Colloid and Surface Chemistry
250104 Chemical Spectroscopy
250105 Structural Chemistry
250106 Mechanisms of Reactions
250107 Electrochemistry
250199 Physical Chemistry not elsewhere classified

Exclusions:
(a) Mechanical and industrial engineering are included in Discipline 290500 Mechanical and Industrial Engineering;
(b) chemical engineering is included in Discipline 290600 Chemical Engineering; and
(c) material sciences are included in Disciplines 291300 Metallurgy, 291400 Materials Engineering and 291500 Biomedical engineering.

DISCIPLINE 250200 INORGANIC CHEMISTRY

This discipline covers inorganic chemistry.

This discipline has seven subjects:

250201 Transition Metal Chemistry
250202 Main Group Metal Chemistry
250203 Solid State Chemistry
250204 Bioinorganic Chemistry
250205 Non-Metal chemistry
250206 f-Block Chemistry
250299 Inorganic Chemistry not elsewhere classified

Exclusions:
Organometallic chemistry, environmental chemistry and industrial chemistry are included in Discipline 259900 Other Chemical Sciences.

DISCIPLINE 250300 ORGANIC CHEMISTRY

This discipline covers organic chemistry, including biological and medical chemistry.

This discipline has four subjects:

250301 Organic Chemical Synthesis
250302 Biological and Medical Chemistry
250303 Physical Organic Chemistry
250399 Organic Chemistry not elsewhere classified

Exclusions:
(a) Immunological and bioassay methods are included in Discipline 250400 Analytical Chemistry;
(b) organometallic chemistry, environmental chemistry and industrial chemistry are included in Discipline 259900 Other Chemical Sciences;
(c) biochemistry is included in Discipline 270100 Biochemistry and Cell Biology;
(d) medical biochemistry and clinical chemistry are included in Discipline 320300 Medical Biochemistry and Clinical Chemistry; and
(e) pharmacology for human use is included in Discipline 320500 Pharmacology and Pharmaceutical Sciences.

DISCIPLINE 250400 ANALYTICAL CHEMISTRY

This discipline covers analytical chemistry.

This discipline has ten subjects:

250401 Separation Science
250402 Analytical Spectrometry
250403 Electroanalytical Chemistry
250404 Flow Analysis
250405 Sensor (Chemical and Bio-) Technology
250406 Immunological and Bioassay Methods
250407 Other Instrumental Methods
250408 Chemometrics
250409 Quality Assurance, Traceability and Metrological Chemistry
250499 Analytical Chemistry not elsewhere classified

DISCIPLINE 250500 MACROMOLECULAR CHEMISTRY

This discipline covers macromolecular chemistry.

This discipline has five subjects:

250501 Synthesis of Macromolecules
250502 Physical Chemistry of Macromolecules
250503 Characterisation of Macromolecules
250504 Polymerisation of Mechanisms
250599 Macromolecular Chemistry not elsewhere classified

DISCIPLINE 250600 THEORETICAL AND COMPUTATIONAL CHEMISTRY

This discipline covers theoretical chemistry and computational chemistry.

This discipline has seven subjects:

250601 Quantum Chemistry
250602 Statistical Mechanics
250603 Reaction Kinetics and Dynamics
250604 Radiation and Matter
250605 Theory of Materials
250606 Macromolecular Design
250699 Theoretical and Computational Chemistry not elsewhere classified

DISCIPLINE 259900 OTHER CHEMICAL SCIENCES

This discipline covers organometallic chemistry, environmental chemistry (incl. atmospheric chemistry), industrial chemistry and any residual chemical sciences not elsewhere classified.

This discipline has five subjects:

259901 Organometallic Chemistry
259902 Environmental Chemistry (incl. Atmospheric Chemistry)
259903 Industrial Chemistry
259904 Supramolecular Chemistry
259999 Chemical Sciences not elsewhere classified

Exclusions:
Soil chemistry is included in Discipline 300100 Soil and Water Sciences.

DIVISION 260000 EARTH SCIENCES

This division covers the earth sciences.

This division has seven disciplines:

260100 Geology
260200 Geophysics
260300 Geochemistry
260400 Oceanography
260500 Hydrology
260600 Atmospheric Sciences
269900 Other Earth Sciences

Exclusions:
(a) Environmental and atmospheric chemistry are included in Discipline 259900 Other Chemical Sciences;
(b) mining and mineral processing are included in Discipline 290700 Resources Engineering;
(c) metallurgy is included in Discipline 291300 Metallurgy;
(d) materials engineering is included in Discipline 291400 Materials Engineering; and
(e) soil and water sciences (incl. applied hydrology) are included in Discipline 300100 Soil and Water Sciences.

DISCIPLINE 260100 GEOLOGY

This discipline covers geology.

It includes palaeontology (incl. palaeozoology and palaeobotany) and palynology (other than palynology associated with palaeoecological studies).

This discipline has sixteen subjects:

260101 Mineralogy and Crystallography
260102 Igneous and Metamorphic Petrology
260103 Vulcanology
260104 Sedimentology
260105 Petroleum Geology
260106 Ore Deposit Petrology
260107 Structural Geology
260108 Geotectonics
260109 Geochronology
260110 Biostratigraphy
260111 Other Stratigraphy (incl. Sequence Stratigraphy)
260112 Palaeontology
260113 Palynology
260114 Geomorphology
260115 Glaciology
260199 Geology not elsewhere classified

Exclusions:
(a) The chemical aspects of crystallography and solid state chemistry are included in Discipline 250200 Inorganic Chemistry;
(b) palaeoclimatology is included in Discipline 260600 Atmospheric Sciences;
(c) palaeoecology and palynology associated with palaeoecological studies are included in Discipline 270700 Ecology and Evolution;
(d) palynology associated with limnological studies is also included in Discipline 270700 Ecology and Evolution;
(e) mining and mineral processing are included in Discipline 290700 Resources Engineering;
(f) metallurgy is included in Discipline 291300 Metallurgy; and
(g) materials engineering is included in Discipline 291400 Materials Engineering.

DISCIPLINE 260200 GEOPHYSICS

This discipline covers geophysics.

This discipline has eight subjects:

260201 Gravity
260202 Geomagnetism
260203 Electromagnetism
260204 Petrophysics
260205 Explosion Seismology
260206 Earthquake Seismology
260207 Radiometrics
260299 Geophysics not elsewhere classified

DISCIPLINE 260300 GEOCHEMISTRY

This discipline covers geochemistry.

This discipline has five subjects:

260301 Geochronology and Isotope Geochemistry
260302 Exploration Geochemistry
260303 Organic Geochemistry not elsewhere classified
260304 Inorganic Geochemistry not elsewhere classified
260399 Geochemistry not elsewhere classified

DISCIPLINE 260400 OCEANOGRAPHY

This discipline covers oceanography.

This discipline has four subjects:

260401 Biological Oceanography
260402 Chemical Oceanography
260403 Physical Oceanography
260499 Oceanography not elsewhere classified

Exclusions:
Marine ecology is included in Discipline 270700 Ecology and Evolution.

DISCIPLINE 260500 HYDROLOGY

This discipline covers hydrology, other than applied hydrology.

This discipline has three subjects:

260501 Groundwater Hydrology
260502 Surfacewater Hydrology
260599 Hydrology not elsewhere classified

Exclusions:
Applied hydrology is included in Discipline 300100 Soil and Water Sciences.

DISCIPLINE 260600 ATMOSPHERIC SCIENCES

This discipline covers atmospheric sciences, other than atmospheric chemistry.

This discipline has four subjects:

260601 Meteorology
260602 Climatology (incl. Palaeoclimatology)
260603 Ionospheric and Magnetospheric Physics
260699 Atmospheric Sciences not elsewhere classified

Exclusions:
Atmospheric chemistry is included in Discipline 259900 Other Chemical Sciences.

DISCIPLINE 269900 OTHER EARTH SCIENCES

This discipline covers earth sciences not elsewhere classified.

It includes physical geography.

This discipline has two subjects:

269901 Physical Geography
269999 Earth Sciences not elsewhere classified

Exclusions:
(a) The physical aspects of limnology are included in Discipline 270700 Ecology and Evolution; and
(b) environmental management and rehabilitation are included in Discipline 300800 Environmental Sciences.

DIVISION 270000 BIOLOGICAL SCIENCES

This division covers the biological or life sciences, other than agricultural sciences or medical and health sciences.

This division has nine disciplines:

270100 Biochemistry and Cell Biology
270200 Genetics
270300 Microbiology
270400 Botany
270500 Zoology
270600 Physiology
270700 Ecology and Evolution
270800 Biotechnology
279900 Other Biological Sciences

Exclusions:
(a) Biological or life sciences associated with agricultural and veterinary sciences, forestry, commercial fishing or other aspects of primary production are included in Division 300000 Agricultural, Veterinary and Environmental Sciences; and
(b) biological or life sciences associated with human health and medicine are included in Division 320000 Medical and Health Sciences.

DISCIPLINE 270100 BIOCHEMISTRY AND CELL BIOLOGY

This discipline covers biochemistry or the chemistry of living organisms.

It includes cell biology and membrane biology.

This discipline has nine subjects:

270101 Analytical Biochemistry
270102 Cell Metabolism
270103 Protein Targeting and Signal Transduction
270104 Membrane Biology
270105 Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)
270106 Cell Development (incl. Cell Division and Apoptosis)
270107 Cell Neurochemistry
270108 Enzymes
270199 Biochemistry and Cell Biology not elsewhere classified

Exclusions:
(a) Plant biochemistry is included in Discipline 300200 Crop and Pasture Production; and
(b) biochemistry associated with medical science is included in Discipline 320300 Medical Biochemistry and Clinical Chemistry.

DISCIPLINE 270200 GENETICS

This discipline covers genetics and heredity.

This discipline has eleven subjects:

270201 Gene Expression
270202 Genome Structure
270203 Population and Ecological Genetics
270204 Anthropological Genetics
270205 Genetic Development (incl. Sex Determination)
270206 Genetic Immunology
270207 Quantitative Genetics
270208 Molecular Evolution
270209 Meiosis and Recombination
270210 Neurogenetics
270299 Genetics not elsewhere classified

Exclusions:
(a) Biotechnology (incl. genetic engineering) is included in Discipline 270800 Biotechnology;
(b) plant genetics is included in Disciplines 300200 Crop and Pasture Production and 300300 Horticulture;
(c) animal genetics associated with animal breeding is included in Discipline 300400 Animal Production; and
(d) genetics associated with medical science is included in Discipline 321000 Clinical Sciences.

DISCIPLINE 270300 MICROBIOLOGY

This discipline covers microbiology or the study of microscopic organisms including bacteriology, parasitology and virology.

This discipline has nine subjects:

270301 Bacteriology
270302 Archaebacteriology
270303 Virology
270304 Infectious Agents
270305 Mycology
270306 Microbial Genetics
270307 Microbial Ecology
270308 Microbial Systematics, Taxonomy and Phylogeny
270399 Microbiology not elsewhere classified

Exclusions:
(a) Veterinary microbiology is included in Discipline 300500 Veterinary Sciences; and
(b) medical microbiology is included in Discipline 320400 Medical Microbiology.

DISCIPLINE 270400 BOTANY

This discipline covers botany and related plant sciences.

It includes:

- mycology which for the purpose of this classification includes the study of lichen;
- plant pathology other than associated with plant protection procedures in the field; and
- phycology (incl. algae and marine grasses).

This discipline has five subjects:

270401 Plant Systematics, Taxonomy and Phylogeny
270402 Plant Physiology
270403 Plant Pathology
270404 Phycology
270499 Botany not elsewhere classified

Exclusions:
(a) Palaeobotany and palynology (other than palynology associated with ecological studies) are included in Discipline 260100 Geology;
(b) plant ecology and palynology associated with ecological studies are included in Discipline 270700 Ecology and Evolution; and
(c) plant science or plant pathology associated with agriculture, forestry or primary production is included in the appropriate disciplines in Division 300000 Agricultural Sciences.

DISCIPLINE 270500 ZOOLOGY

This discipline covers zoology.

It includes:

- the study of terrestrial vertebrates (other than human), non-insect terrestrial invertebrates, ornithology, herpetology and freshwater ichthyology;
- ethology; and
- entomology.

This discipline has five subjects:

270501 Animal Systematics, Taxonomy and Phylogeny
270502 Neurobiology
270503 Animal Anatomy and Histology
270504 Invertebrate Biology
270599 Zoology not elsewhere classified

Exclusions:
(a) Palaeontology is included in Discipline 260100 Geology;
(b) animal physiology is included in Discipline 270600 Physiology;
(c) the use of live animals for purposes of primary production is included in Discipline 300400 Animal Production;
(d) fisheries and aquaculture for primary production are included in Discipline 300700 Fisheries Sciences;
(e) the human immune system is included in Discipline 320200 Immunology;
(f) the human nervous system is included in Discipline 320700 Neurosciences; and
(g) the use of live animals or material from live animals for medical research is included in Discipline 329900 Other Medical and Health Sciences.

DISCIPLINE 270600 PHYSIOLOGY

This discipline covers physiology other than medical or plant.

This discipline has five subjects:

270601 Animal Physiology—Biophysics
270602 Animal Physiology—Cell
270603 Animal Physiology—Systems
270604 Comparative Physiology
270699 Physiology not elsewhere classified

Exclusions:
(a) Plant physiology is included in Discipline 270400 Botany;
(b) physiology related to specific aspects of animal production or veterinary practice is included in the appropriate disciplines in Division 300000 Agricultural, Veterinary and Environmental Sciences; and
(c) medical physiology is included in Discipline 320600 Medical Physiology.

DISCIPLINE 270700 ECOLOGY AND EVOLUTION

This discipline covers ecology or ecological systems, whether freshwater, marine or terrestrial, and evolutionary biology.

It includes:

- plant or animal ecology;
- limnology and ecological studies (incl. palynology) of freshwater bodies such as lakes and ponds;
- palaeoecology (incl. palynology associated with palaeoecological studies); and
- life histories (incl. population ecology).

This discipline has ten subjects:

270701 Freshwater Ecology
270702 Marine and Estuarine Ecology (incl. Marine Ichthyology)
270703 Terrestrial Ecology
270704 Landscape Ecology
270705 Palaeoecology
270706 Life Histories (incl. Population Ecology)
270707 Sociobiology and Behavioural Ecology
270708 Conservation and Biodiversity
270709 Biogeography
270799 Ecology and Evolution not elsewhere classified

Exclusions:
(a) Palaeontology is included in Discipline 260100 Geology; and
(b) palynology in association with geological studies is also included in Discipline 260100 Geology.

DISCIPLINE 270800 BIOTECHNOLOGY

This discipline covers biotechnology (incl. genetic engineering).

This discipline has six subjects:

270801 Gene Therapy
270802 Diagnostic Applications
270803 Transgenesis
270804 Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.
270805 Genetic Engineering and Enzyme Technology
270899 Biotechnology not elsewhere classified

Exclusions:
(a) Industrial biotechnology is included in Discipline 290100 Industrial Biotechnology and Food Sciences; and
(b) medical biotechnology is included in Discipline 329900 Other Medical and Health Sciences.

DISCIPLINE 279900 OTHER BIOLOGICAL SCIENCES

This discipline covers biological sciences not elsewhere classified.

This discipline has two subjects:

279901 Global Change Biology
279999 Biological Sciences not elsewhere classified

Exclusions:
Phycology (incl. marine grasses) is included in Discipline 270400 Botany.

DIVISION 280000 INFORMATION, COMPUTING AND COMMUNICATION SCIENCES

This division covers information, computing and communication sciences.

For the purposes of this classification, the following fields are included: mathematics associated with computer science and the application of psychology to an understanding of computer-human interface.

This division has six disciplines:

280100 Information Systems
280200 Artificial Intelligence and Signal and Image Processing
280300 Computer Software
280400 Computation Theory and Mathematics
280500 Data Format
289900 Other Information, Computing and Communication Sciences

Exclusions:
(a) The application of information and computer sciences other than specifically for information, computer sciences and technologies is included in other appropriate disciplines, e.g. computer modelling for atmospheric research is included in Discipline 260600 Atmospheric Sciences; software development for forest management is included in Discipline 300600 Forestry Sciences;
(b) robotics and mechatronics, CAD/CAM systems concerned with manufacturing and process technologies are included in Discipline 290300 Manufacturing Engineering;
(c) computer hardware is included in Discipline 291600 Computer Hardware; and
(d) communications technologies are included in Discipline 291700 Communications Technologies.

DISCIPLINE 280100 INFORMATION SYSTEMS

This discipline covers information science and information systems.

It includes:

- computer and information systems organisation, design and management;
- interfaces and presentation (incl. computer-human interaction) and the application of psychology to computer-human interface; and
- systems theory and conceptual modelling.

This discipline has thirteen subjects:

280101 Information Systems Organisation
280102 Information Systems Management
280103 Information Storage, Retrieval and Management
280104 Computer-Human Interaction
280105 Interfaces and Presentation (excl. Computer-Human Interaction)
280106 Interorganisational Information Systems
280107 Global Information Systems
280108 Database Management
280109 Decision Support and Group Support Systems
280110 Systems Theory
280111 Conceptual Modelling
280112 Information Systems Development Methodologies
280199 Information Systems not elsewhere classified

Exclusions:
The development of computer hardware is included in Discipline 291600 Computer Hardware.

DISCIPLINE 280200 ARTIFICIAL INTELLIGENCE AND SIGNAL AND IMAGE PROCESSING

This discipline covers artificial intelligence, expert systems and signal and image processing.

It includes:

- technologies supplementing or supporting information systems or presentation, such as computer graphics and speech and pattern recognition; and
- virtual and artificial realities and related simulation.

This discipline has thirteen subjects:

280201 Expert Systems
280202 Computer Graphics
280203 Image Processing
280204 Signal Processing
280205 Text Processing
280206 Speech Recognition
280207 Pattern Recognition
280208 Computer Vision
280209 Intelligent Robotics
280210 Simulation and Modelling
280211 Virtual Reality and Related Simulation
280212 Neural Networks, Genetic Algorithms and Fuzzy Logic
280213 Other Artificial Intelligence

Exclusions:
(a) Computational linguistics is included in Discipline 380200 Linguistics; and
(b) computer perception, memory and attention are included in Discipline 380300 Cognitive Science.

DISCIPLINE 280300 COMPUTER SOFTWARE

This discipline covers technologies related to computer software, software programming, computer languages and software operating systems.

This discipline has six subjects:

280301 Programming Techniques
280302 Software Engineering
280303 Programming Languages
280304 Operating Systems
280305 Multimedia Programming
280399 Computer Software not elsewhere classified

Exclusions:
The development of computer software which has application to fields other than Division 280000 Information, Computing and Communication Sciences is included in other appropriate disciplines, e.g. software development relating to flexible manufacturing systems is included in Discipline 290300 Manufacturing Engineering.

DISCIPLINE 280400 COMPUTATION THEORY AND MATHEMATICS

This discipline covers computation theory and mathematics of computing.

This discipline has seven subjects:

280401 Analysis of Algorithms and Complexity
280402 Mathematical Logic and Formal Languages
280403 Logics and Meanings of Programs
280404 Numerical Analysis
280405 Discrete Mathematics
280406 Mathematical Software
280499 Computation Theory and Mathematics not elsewhere classified

Exclusions:
Mathematics not associated with computer science is included in Discipline 230100 Mathematics.

DISCIPLINE 280500 DATA FORMAT

This discipline covers data format technologies in the information, computing and communication sciences.

This discipline has seven subjects:

280501 Data Structures
280502 Data Storage Representations
280503 Files
280504 Data Encryption
280505 Data Security
280506 Coding and Information Theory
280599 Data Format not elsewhere classifie

DISCIPLINE 289900 OTHER INFORMATION, COMPUTING AND COMMUNICATION SCIENCES

This discipline covers all residual information, computing and communication sciences.

It has the one subject:

289999 Other Information, Computing and Communication Sciences

DIVISION 290000 ENGINEERING AND TECHNOLOGY

This division covers engineering and technology, including industrial biotechnology and food sciences, aerospace engineering, manufacturing engineering, mechanical and industrial engineering, metallurgy, materials engineering, computer hardware, communications technologies and any other engineering and technology not elsewhere classified.

This division has nineteen disciplines:

290100 Industrial Biotechnology and Food Sciences
290200 Aerospace Engineering
290300 Manufacturing Engineering
290400 Automotive Engineering
290500 Mechanical and Industrial Engineering
290600 Chemical Engineering
290700 Resources Engineering
290800 Civil Engineering
290900 Electrical and Electronic Engineering
291000 Geomatic Engineering
291100 Environmental Engineering
291200 Maritime Engineering
291300 Metallurgy
291400 Materials Engineering
291500 Biomedical Engineering
291600 Computer Hardware
291700 Communications Technologies
291800 Engineering Interdisciplinary Studies
299900 Other Engineering and Technology

DISCIPLINE 290100 INDUSTRIAL BIOTECHNOLOGY AND FOOD SCIENCES

This discipline covers industrial biotechnology and food sciences.

It includes fermentation, biotechnology and industrial microbiology, either for production of food or other products.

This discipline has five subjects:

290101 Fermentation, Biotechnology and Industrial Microbiology
290102 Food Engineering
290103 Food Processing
290104 Other Food Sciences
290105 Other Industrial Biotechnology

Exclusions:
(a) The non-applied aspects of biotechnology are included in Discipline 270800 Biotechnology; and
(b) packaging, storage and transportation associated with industrial biotechnology and food sciences is included in Discipline 290300 Manufacturing Engineering.

DISCIPLINE 290200 AEROSPACE ENGINEERING

This discipline covers aerospace technologies and engineering including avionics and aeronautical or astronomical engineering.

This discipline has eight subjects:

290201 Aerodynamics
290202 Flight Dynamics
290203 Aerospace Structures
290204 Aircraft Performance
290205 Flight Control Systems
290206 Aerospace Electrical Systems
290207 Satellite, Space Vehicle and Missile Design
290299 Aerospace Engineering not elsewhere classified

Exclusions:
Remote sensing and satellites with specific application to antenna technology are included in Discipline 291700 Communications Technologies.

DISCIPLINE 290300 MANUFACTURING ENGINEERING

This discipline covers manufacturing engineering.

It includes:

- robots, robotic systems and mechatronics;
- flexible manufacturing systems;
- computer-aided design and computer-aided manufacture otherwise known as CAD/CAM;
- control engineering;
- welding technology (incl. welding processes);
- textile manufacturing process and technologies;
- packaging, storage and transportation; and
- safety and quality in manufacturing.

This discipline has ten subjects:

290301 Robotics and Mechatronics
290302 Flexible Manufacturing Systems
290303 CAD/CAM Systems
290304 Control Engineering
290305 Welding Technology
290306 Textile Technology
290307 Printing Technology
290308 Packaging, Storage and Transportation
290309 Safety and Quality
290399 Manufacturing Engineering not elsewhere classified

Exclusions:
(a) Information systems are included in Discipline 280100 Information Systems;
(b) intelligent robotics is included in Discipline 280200 Artificial Intelligence and Signal and Image Processing;
(c) computer software is included in Discipline 280300 Computer Software;
(d) automotive engineering is included in Discipline 290400 Automotive Engineering;
(e) membrane and separation technologies are included in Discipline 290600 Chemical Engineering;
(f) computer hardware is included in Discipline 291600 Computer Hardware; and
(g) biosensors associated with membrane or separation technologies or any other use is included in Discipline 299900 Other Engineering and Technology.

DISCIPLINE 290400 AUTOMOTIVE ENGINEERING

This discipline covers automotive engineering.

This discipline has one subject:

290401 Automotive Engineering

DISCIPLINE 290500 MECHANICAL AND INDUSTRIAL ENGINEERING

This discipline covers general mechanical and industrial engineering.

This discipline has two subjects:

290501 Mechanical Engineering
290502 Industrial Engineering

Exclusions:
(a) Manufacturing engineering is included in Discipline 290300 Manufacturing Engineering; and
(b) automotive engineering is included in Discipline 290400 Automotive Engineering.

DISCIPLINE 290600 CHEMICAL ENGINEERING

This discipline covers chemical engineering and includes design, membrane and separation technologies, process control and simulation other than those associated with control engineering.

This discipline has four subjects:

290601 Chemical Engineering Design
290602 Process Control and Simulation
290603 Membrane and Separation Technologies
290699 Chemical Engineering not elsewhere classified

Exclusions:
(a) Manufacturing and process technologies (incl. process control associated with control engineering) is included in Discipline 290300 Manufacturing Engineering; and
(b) fluidization and fluid mechanics and heat and mass transfer operations are included in Discipline 291800 Engineering Interdisciplinary Studies.

DISCIPLINE 290700 RESOURCES ENGINEERING

This discipline covers mining engineering and mineral processing and includes petroleum and reservoir engineering and geomechanics.

This discipline has five subjects:

290701 Mining Engineering
290702 Mineral Processing
290703 Petroleum and Reservoir Engineering
290704 Geomechanics
290799 Resources Engineering not elsewhere classified

Exclusions:
Geology, geophysics, geochemistry, hydrology and other earth sciences are included in the appropriate disciplines in Division 260000 Earth Sciences.

DISCIPLINE 290800 CIVIL ENGINEERING

This discipline includes civil engineering (incl. structural engineering).

It includes:

- transport engineering (other than aerospace and maritime engineering);
- water and sanitary engineering; and
- construction engineering.

This discipline has six subjects:

290801 Structural Engineering
290802 Water and Sanitary Engineering
290803 Transport Engineering
290804 Construction Engineering
290805 Geotechnical Engineering
290899 Civil Engineering not elsewhere classified

Exclusions:
(a) Aerospace engineering is included in Discipline 290200 Aerospace Engineering;
(b) surveying is included in Discipline 291000 Geomatic Engineering;
(c) maritime engineering is included in Discipline 291200 Maritime Engineering;
(d) agricultural engineering is included in Discipline 299900 Other Engineering and Technology; and
(e) applied hydrology is included in Discipline 300100 Soil and Water Sciences.

DISCIPLINE 290900 ELECTRICAL AND ELECTRONIC ENGINEERING

This discipline covers general electrical and electronic engineering.

This discipline has three subjects:

290901 Electrical Engineering
290902 Integrated Circuits
290903 Other Electronic Engineering

Exclusions:
(a) Electrical or electronic engineering associated with computer hardware is included in Discipline 291600 Computer Hardware; and
(b) electrical or electronic engineering associated with communications technologies is included in Discipline 291700 Communications Technologies.

DISCIPLINE 291000 GEOMATIC ENGINEERING

This discipline covers geomatic engineering.

This discipline has seven subjects:

291001 Geodesy
291002 Surveying
291003 Photogrammetry and Remote Sensing
291004 Spatial Information Systems
291005 Navigation and Position Fixing
291006 Cartography
291099 Geomatic Engineering not elsewhere classified

DISCIPLINE 291100 ENVIRONMENTAL ENGINEERING

This discipline covers environmental engineering.

This discipline has five subjects:

291101 Environmental Engineering Modelling
291102 Bio-remediation
291103 Environmental Engineering Design
291104 Environmental Technologies
291199 Environmental Engineering not elsewhere classified

DISCIPLINE 291200 MARITIME ENGINEERING

This discipline covers maritime engineering.

This discipline has seven subjects:

291201 Naval Architecture
291202 Ship and Platform Hydrodynamics
291203 Ship and Platform Structures
291204 Marine Engineering
291205 Ocean Engineering
291206 Special Vehicles
291299 Maritime Engineering not elsewhere classified

DISCIPLINE 291300 METALLURGY

This discipline covers metallurgy.

This discipline has two subjects:

291301 Process Metallurgy
291302 Physical Metallurgy

DISCIPLINE 291400 MATERIALS ENGINEERING

This discipline covers the material sciences and technologies.

It includes:

- ceramics science and ceramics engineering;
- applied science and technology contributing to polymers and textile compounds; and
- other material sciences and technologies concerned with composite materials, alloy materials and other materials.

This discipline has eight subjects:

291401 Polymers
291402 Composite Materials
291403 Alloy Materials
291404 Ceramics
291405 Timber
291406 Pulp and Paper
291407 Plastics
291499 Materials Engineering not elsewhere classified

Exclusions:
(a) Polymer chemistry without specific application is included in Discipline 250100 Physical Chemistry (incl. Structural); and
(b) building materials is included in Discipline 310200 Building.

DISCIPLINE 291500 BIOMEDICAL ENGINEERING

This discipline covers biomedical engineering.

This discipline has five subjects:

291501 Clinical Engineering
291502 Rehabilitation Engineering
291503 Biomaterials
291504 Biomechanical Engineering
291599 Biomedical Engineering not elsewhere classified

DISCIPLINE 291600 COMPUTER HARDWARE

This discipline covers the development of computer hardware including the development associated with physical components for personal computer, mainframe, accessory computer equipment or other purposes.

It includes the development of circuit boards and hardware assemblies of computing devices; and also the development of multiplexers, printers, scanners or any accessory related to computers.

This discipline has six subjects:

291601 Arithmetic and Logic Structures
291602 Memory Structures
291603 Input, Output and Data Devices
291604 Logic Design
291605 Processor Architectures
291699 Computer Hardware not elsewhere classified

Exclusions:
(a) Integrated circuits are included in Discipline 290900 Electrical and Electronic Engineering; and
(b) modem technology is included in Discipline 291700 Communications Technologies.

DISCIPLINE 291700 COMMUNICATIONS TECHNOLOGIES

This discipline covers technologies supporting communications and communication systems.

It includes:

- communication networks and analysis;
- communication and broadcasting systems;
- digital systems, optical and photonic systems or any other communication system;
- antenna technology (incl. that used in remote sensing and satellite technology); and
- microwave and millimetrewave technology.

This discipline has eleven subjects:

291701 Antenna Technology
291702 Optical and Photonic Systems
291703 Digital Systems
291704 Computer Communications Networks
291705 Microwave and Millimetrewave Technology
291706 Broadband Network Technology
291707 Modem Technology
291708 Baseband Technology
291709 Satellite Communications
291710 Radio Communications and Broadcasting not elsewhere classified
291799 Communications Technologies not elsewhere classified

Exclusions:
Data transfer systems used primarily for computing purposes are included in Discipline 291600 Computer Hardware.

DISCIPLINE 291800 INTERDISCIPLINARY ENGINEERING

This discipline covers interdisciplinary engineering.

This discipline has five subjects:

291801 Fluidization and Fluid Mechanics
291802 Heat and Mass Transfer Operations
291803 Turbulent Flows
291804 Nanotechnology
291899 Interdisciplinary Engineering not elsewhere classified

DISCIPLINE 299900 OTHER ENGINEERING AND TECHNOLOGY

This discipline covers other engineering and technology not elsewhere classified.

This discipline has five subjects:

299901 Agricultural Engineering
299902 Combustion and Fuel Engineering
299903 Biosensor Technologies
299904 Engineering/Technology Instrumentation
299999 Engineering and Technology not elsewhere classified

DIVISION 300000 AGRICULTURAL, VETERINARY AND ENVIRONMENTAL SCIENCES

This division covers sciences and technologies supporting agriculture and the environment.

It includes soil and water science, crop and pasture production, agronomy, horticulture, animal production, forestry sciences, environmental sciences and other agricultural sciences. It also includes the veterinary sciences.

This division has ten disciplines:

300100 Soil and Water Sciences
300200 Crop and Pasture Production
300300 Horticulture
300400 Animal Production
300500 Veterinary Sciences
300600 Forestry Sciences
300700 Fisheries Sciences
300800 Environmental Sciences
300900 Land, Parks and Agriculture Management
309900 Other Agricultural, Veterinary and Environmental Sciences

Exclusions:
(a) Biological or life sciences not associated with agricultural and veterinary sciences or human health and medicine are included in Division 270000 Biological Sciences;
(b) agricultural engineering is included in Discipline 299900 Other Engineering and Technology;
(c) biological or life sciences associated with human health and medicine are included in Division 320000 Medical and Health Sciences; and
(d) agricultural economics is included in Discipline 340200 Applied Economics.

DISCIPLINE 300100 SOIL AND WATER SCIENCES

This discipline covers soil science and the applied aspects of water science (i.e. applied hydrology) for the purposes of primary production.

This discipline has six subjects:

300101 Soil Physics
300102 Soil Biology
300103 Soil Chemistry
300104 Land Capability and Soil Degradation
300105 Applied Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)
300199 Soil and Water Sciences not elsewhere classified

Exclusions:
Basic water science or hydrology is included in Discipline 260500 Hydrology.

DISCIPLINE 300200 CROP AND PASTURE PRODUCTION

This discipline covers the sciences and technologies directed towards the production of crops, pastures and grains.

It includes agronomy; plant genetics and plant protection procedures in the field; the post harvest treatment, transportation and storage of crops and grains; and weed science.

This discipline has seven subjects:

300201 Plant Biochemistry and Physiology
300202 Plant Nutrition
300203 Plant Improvement (Selection, Breeding and Genetic Engineering)
300204 Plant Protection (Pests, Diseases and Weeds)
300205 Agronomy
300206 Post Harvest Technologies (Transportation and Storage)
300299 Crop and Pasture Production not elsewhere classified

Exclusions:
(a) Plant pathology associated with basic botanical studies is included in Discipline 270400 Botany; and
(b) post harvest treatment of horticultural crops and produce is included in Discipline 300300 Horticulture.

DISCIPLINE 300300 HORTICULTURE

This discipline covers horticulture and horticultural science.

It includes:

- the propagation and culture of garden or horticultural crops (incl. production methods such as tissue culture, glasshouse techniques, hydroponics);
- fruit crops (other than table grapes);
- viticulture (incl. growing table and wine grapes) and wine technologies which is included in Subject 300305 Oenology and Viticulture;
- flower production, ornamental crops and nursery stock;
- propagating and growing vegetable crops (incl. mushrooms and fungi consumed as food);
- post-harvest treatment of horticultural crops; and
- lawns for aesthetic or sporting purposes.

This discipline has six subjects:

300301 Plant Improvement (Selection, Breeding and Genetic Engineering)
300302 Plant Growth and Development
300303 Plant Protection (Pests, Diseases and Weeds)
300304 Post Harvest Technologies
300305 Oenology and Viticulture
300399 Horticulture not elsewhere classified

DISCIPLINE 300400 ANIMAL PRODUCTION

This discipline covers the sciences and technologies supporting the primary production of livestock and the primary production of birds and poultry (incl. egg production). It includes bees and apiary culture.

This discipline has seven subjects:

300401 Animal Breeding
300402 Animal Reproduction
300403 Animal Nutrition
300404 Animal Husbandry
300405 Animal Protection (Pests and Pathogens)
300406 Animal Growth and Development
300499 Animal Production not elsewhere classified

Exclusions:
(a) Veterinary science is included in Discipline 300500 Veterinary Sciences; and
(b) the culture and production of marine and freshwater animals (incl. fish, crustaceans and shellfish) is included in Discipline 300700 Fisheries Sciences.

DISCIPLINE 300500 VETERINARY SCIENCES

This discipline covers veterinary science practised on livestock for primary production, domestic or other uses (e.g. sport).

This discipline has thirteen subjects:

300501 Veterinary Medicine
300502 Anaesthesiology and Intensive Care
300503 Epidemiology
300504 Immunology
300505 Anatomy and Physiology
300506 Pathology
300507 Microbiology (excl. Virology)
300508 Parasitology
300509 Radiology and Imaging
300510 Virology
300511 Surgery
300512 Pharmacology
300599 Veterinary Sciences not elsewhere classified

Exclusions:
Field procedures to protect animals against pest and pathogens is included in Discipline 300400 Animal Production.

DISCIPLINE 300600 FORESTRY SCIENCES

This discipline covers forestry sciences and silviculture. It includes forest fire prevention and control.

This discipline has seven subjects:

300601 Nutrition and Physiology
300602 Tree Improvement (Selection, Breeding and Genetic Engineering)
300603 Pests, Health and Diseases
300604 Management and Environment
300605 Fire Management
300606 Agroforestry
300699 Forestry Sciences not elsewhere classified

DISCIPLINE 300700 FISHERIES SCIENCES

This discipline covers the sciences and technologies supporting fishing or production of freshwater or marine fisheries (incl. shellfish and crustaceans).

This discipline has six subjects:

300701 Physiology and Genetics
300702 Pests and Diseases
300703 Aquaculture
300704 Ecosystem Studies and Stock Assessment
300705 Evaluation of Management Strategies
300799 Fisheries Sciences not elsewhere classified

DISCIPLINE 300800 ENVIRONMENTAL SCIENCES

This discipline covers environmental sciences.

This discipline has six subjects:

300801 Environmental Management and Rehabilitation
300802 Wildlife and Habitat Management
300803 Natural Resource Management
300804 Environmental Impact Assessment
300805 Conservation
300899 Environmental Sciences not elsewhere classified

DISCIPLINE 300900 LAND, PARKS AND AGRICULTURE MANAGEMENT

This discipline covers the management of land, parks and areas under agriculture.

This discipline has four subjects:

300901 Farm Management, Rural Management and Agribusiness
300902 Land and Parks Management
300903 Sustainable Development
300999 Land, Parks and Agriculture Management not elsewhere classified

DISCIPLINE 309900 OTHER AGRICULTURAL, VETERINARY AND ENVIRONMENTAL SCIENCES

This discipline covers the agricultural, veterinary and environmental sciences not elsewhere classified.

It includes fertilisers and agrochemicals (incl. their application) and agricultural education and extension services.

This discipline has three subjects:

309901 Fertilisers and Agrochemicals (Application etc.)
309902 Education and Extension
309999 Agricultural, Veterinary and Environmental Sciences not elsewhere classified

DIVISION 310000 ARCHITECTURE, URBAN ENVIRONMENT AND BUILDING

This division covers architecture, urban environment and building.

This division has three disciplines:

310100 Architecture and Urban Environment
310200 Building
319900 Other Architecture, Urban Environment and Building

DISCIPLINE 310100 ARCHITECTURE AND URBAN ENVIRONMENT

This discipline covers architecture and urban environment.

This discipline has seven subjects:

310101 Architecture
310102 Heritage and Conservation
310103 Urban and Regional Planning
310104 Landscape Planning
310105 History of the Built Environment
310106 Interior and Environmental Design
310199 Architecture and Urban Environment not elsewhere classified

DISCIPLINE 310200 BUILDING

This discipline covers building, including building science and building materials.

This discipline has four subjects:

310201 Building Science and Techniques
310202 Building Construction Management
310203 Building Construction Economics (incl. Quantity Surveying)
310299 Building not elsewhere classified

DISCIPLINE 319900 OTHER ARCHITECTURE, URBAN ENVIRONMENT AND BUILDING

This discipline covers architecture, urban environment and building not elsewhere classified.

It has the one subject:

319999 Other Architecture, Urban Environment and Building

DIVISION 320000 MEDICAL AND HEALTH SCIENCES

This division covers the medical and health sciences.

This division has fifteen disciplines:

320100 Medicine—General
320200 Immunology
320300 Medical Biochemistry and Clinical Chemistry
320400 Medical Microbiology
320500 Pharmacology and Pharmaceutical Sciences
320600 Medical Physiology
320700 Neurosciences
320800 Dentistry
320900 Optometry
321000 Clinical Sciences
321100 Nursing
321200 Public Health and Health Services
321300 Complementary/Alternative Medicine
321400 Human Movement and Sports Science
329900 Other Medical and Health Sciences

Exclusions:

(a) Biological sciences without application to human health and disease are included in the appropriate disciplines in Division 270000 Biological Sciences;
(b) biomedical engineering is included in Discipline 291500 Biomedical Engineering;
(c) biological and life sciences associated with agricultural and veterinary studies are included in the appropriate disciplines in Division 300000 Agricultural, Veterinary and Environmental Sciences; and
(d) ergonomics is included in Discipline 410400 Design Studies.

DISCIPLINE 320100 MEDICINE—GENERAL

This discipline is for use in classifying general courses in medicine which cannot be allocated to a more specific discipline within Division 320000 Medical and Health Sciences.

DISCIPLINE 320200 IMMUNOLOGY

This discipline covers the processes and reactions of the human immune system.

This discipline has eight subjects:

320201 Allergy
320202 Cellular Immunology
320203 Humoral Immunology and Immunochemistry
320204 Immunogenetics
320205 Transplantation Immunology
320206 Tumor Immunology
320207 Autoimmunity
320299 Immunology not elsewhere classified

Exclusions:
Specific human disorders or diseases are included in Discipline 321000 Clinical Sciences.

DISCIPLINE 320300 MEDICAL BIOCHEMISTRY AND CLINICAL CHEMISTRY

This discipline covers human biochemistry or the chemistry of human living organisms and the human life process.

This discipline has seven subjects:

320301 Clinical Chemistry
320302 Medical Biochemistry: Carbohydrates
320303 Medical Biochemistry: Lipids
320304 Medical Biochemistry: Nucleic Acids
320305 Medical Biochemistry: Proteins and Peptides
320306 Medical Biochemistry: Phospholipids
320307 Medical Biochemistry: Other

Exclusions:

(a) Biochemistry of species other than human or plant and biochemistry not related to medicine or health are included in Discipline 270100 Biochemistry and Cell Biology; and
(b) plant biochemistry is included in Discipline 300200 Crop and Pasture Production.

DISCIPLINE 320400 MEDICAL MICROBIOLOGY

This discipline covers microbiology associated with human health and disease.

This discipline has six subjects:

320401 Medical Bacteriology
320402 Medical Virology
320403 Medical Infection Agents (incl. Prions)
320404 Medical Mycology
320405 Medical Parasitology
320499 Medical Microbiology not elsewhere classified

Exclusions: Microbiology
(a) for reasons not related to medicine is included in Discipline 270300 Microbiology; and
(b) in association with veterinary practice is included in Discipline 300500 Veterinary Sciences.

DISCIPLINE 320500 PHARMACOLOGY AND PHARMACEUTICAL SCIENCES

This discipline covers the preparation, properties, uses and actions of drugs for medical use.

This discipline has five subjects:

320501 Pharmaceutical Sciences and Pharmacy
320502 Basic Pharmacology
320503 Clinical Pharmacology and Therapeutics
320504 Toxicology (incl. Clinical Toxicology)
320599 Pharmacology not elsewhere classified

Exclusions:
Pharmacology for veterinary use is included in Discipline 300500 Veterinary Sciences.

DISCIPLINE 320600 MEDICAL PHYSIOLOGY

This discipline covers the processes and function of the human body or the physical and chemical processes involved in the functioning of the human body and its component parts.

This discipline has four subjects:

320601 Human Biophysics
320602 Cell Physiology
320603 Systems Physiology
320699 Medical Physiology not elsewhere classified

Exclusions:
(a) Medical physics is included in Discipline 249900 Other Physical Sciences;
(b) basic animal physiology and comparative physiology are included in Discipline 270600 Physiology;
(c) physiology related to specific aspects of plant or animal production or veterinary practice is included in the appropriate disciplines in Division 300000 Agricultural, Veterinary and Environmental Sciences; and
(d) exercise physiology is included in Discipline 321400 Human Movement and Sports Science.

DISCIPLINE 320700 NEUROSCIENCES

This discipline covers the processes and reactions of the human nervous system.

This discipline has six subjects:

320701 Autonomic Nervous System
320702 Central Nervous System
320703 Peripheral Nervous System
320704 Cellular Nervous System
320705 Sensory Systems
320799 Neurosciences not elsewhere classified

Exclusions:
(a) Neurology and neuromuscular disease, psychiatry (incl. psychotherapy) and other specific neurological disorders are included in the appropriate subjects in Discipline 321000 Clinical Sciences; and
(b) neurocognitive patterns and neural networks are included in Discipline 380300 Cognitive Sciences.

DISCIPLINE 320800 DENTISTRY

This discipline covers dentistry.

This discipline has five subjects:

320801 Oral Surgery
320802 Dentistry Support
320803 Dental Technology
320804 Dental Therapy
320899 Dentistry not elsewhere classified

DISCIPLINE 320900 OPTOMETRY

This discipline covers optometry.

This discipline has two subjects:

320901 Optical Technology
320999 Optometry not elsewhere classified

DISCIPLINE 321000 CLINICAL SCIENCES

This discipline covers specific clinical aspects of medicine, including causes, diagnosis, treatment and management of specific diseases and conditions.

This discipline has thirty one subjects:

321001 Anaesthesiology
321002 Dermatology
321003 Cardiology (incl. Cardiovascular Diseases)
321004 Endocrinology
321005 Fetal Development and Medicine
321006 Gastroenterology and Hepatology
321007 Geriatrics and Gerontology
321008 Haematology
321009 Intensive Care
321010 Infectious Diseases
321011 Medical Genetics
321012 Nephrology and Urology
321013 Neurology and Neuromuscular Diseases
321014 Obstetrics and Gynaecology
321015 Oncology and Carcinogenesis
321016 Opthalmology and Vision Science
321017 Orthopaedics
321018 Otorhinolaryngology
321019 Paediatrics
321020 Pathology
321021 Psychiatry
321022 Radiology and Organ Imaging
321023 Radiotherapy and Nuclear Medicine
321024 Rehabilitation and Therapy: Occupational and Physical
321025 Rehabilitation and Therapy: Hearing and Speech
321026 Reproduction
321027 Respiratory Diseases
321028 Rheumatology and Arthritis
321029 Surgery
321030 Venereology
321099 Clinical Sciences not elsewhere classified

Exclusions:
(a) Immunology, medical biochemistry, medical microbiology, pharmacology, physiology, neurosciences, dentistry and optometry are included in other disciplines in Division 320000 Medical and Health Sciences;
(b) sport and exercise psychology is included in Discipline 321400 Human Movement and Sports Science; and
(c) psychology (other than sport and exercise psychology) is included in Discipline 380100 Psychology.

DISCIPLINE 321100 NURSING

This discipline covers nursing.

This discipline has seven subjects:

321101 Midwifery
321102 Clinical Nursing: Primary (Preventative)
321103 Clinical Nursing: Secondary (Acute Care)
321104 Clinical Nursing: Tertiary (Rehabilitative)
321105 Mental Health Nursing
321106 Aged Care Nursing
321199 Nursing not elsewhere classified

DISCIPLINE 321200 PUBLIC HEALTH AND HEALTH SERVICES

This discipline covers the non-clinical aspects (e.g. statistical, administration, programme evaluation, impact of life style) of health and health care and the provision, administration and evaluation of health care services.

This discipline has eighteen subjects:

321201 Environmental and Occupational Health and Safety
321202 Epidemiology
321203 Health Information Systems (incl. Surveillance)
321204 Mental Health
321205 Nutrition and Dietetics
321206 Preventive Medicine
321207 Indigenous Health
321208 Primary Health Care
321209 Family Care
321210 Community Child Health
321211 Residential Client Care
321212 Care for Disabled
321213 Human Bioethics
321214 Health and Community Services
321215 Health Care Administration
321216 Health Promotion
321217 Health Counselling
321299 Public Health and Health Services not elsewhere classified

Exclusions:
(a) Nursing is included in Discipline 321100 Nursing; and
(b) health economics is included in Discipline 340200 Applied Economics.

DISCIPLINE 321300 COMPLEMENTARY/ALTERNATIVE MEDICINE

This discipline covers complementary/alternative medicine.

This discipline has four subjects:

321301 Oriental Medicine and Treatments
321302 Chiropractic
321303 Naturopathy
321399 Complementary/Alternative Medicine not elsewhere classified

DISCIPLINE 321400 HUMAN MOVEMENT AND SPORTS SCIENCE

This discipline covers human movement and sports science.

This discipline has six subjects:

321401 Exercise Physiology
321402 Biomechanics
321403 Motor Control
321404 Sport and Exercise Psychology
321405 Sports Medicine
321499 Human Movement and Sports Science not elsewhere classified

DISCIPLINE 329900 OTHER MEDICAL AND HEALTH SCIENCES

This discipline covers other medical and health sciences not elsewhere classified.

This discipline has four subjects:

329901 Podiatry
329902 Medical Biotechnology
329903 Therapies and Therapeutic Technology
329999 Medical and Health Sciences not elsewhere classified

DIVISION 330000 EDUCATION

This division covers education, including the professional development of teachers.

This division has four disciplines:

330100 Education Studies
330200 Curriculum Studies
330300 Professional Development of Teachers
339900 Other Education

DISCIPLINE 330100 EDUCATION STUDIES

This discipline covers education studies.

This discipline has ten subjects:

330101 Educational Psychology
330102 History and Philosophy of Education
330103 Sociology of Education
330104 Educational Policy, Administration and Management
330105 Educational Counselling
330106 Comparative Education
330107 Educational Technology and Media
330108 Special Education
330109 Assessment and Evaluation
330199 Education Studies not elsewhere classified

DISCIPLINE 330200 CURRICULUM STUDIES

This discipline covers curriculum studies.

This discipline has seven subjects:

330201 Curriculum Studies: English Education
330202 Curriculum Studies: Mathematics Education
330203 Curriculum Studies: Science Education
330204 Curriculum Studies: Economics, Commerce, Management and Services Education
330205 Curriculum Studies: Other Social Sciences, Humanities and Arts Education
330206 Curriculum Theory and Development
330299 Curriculum Studies not elsewhere classified

DISCIPLINE 330300 PROFESSIONAL DEVELOPMENT OF TEACHERS

This discipline covers the professional development of teachers.

This discipline has eight subjects:

330301 Teacher Education: Early Childhood
330302 Teacher Education: Primary
330303 Teacher Education: Secondary
330304 Teacher Education: Vocational Education and Training
330305 Teacher Education: Higher Education
330306 Teacher Education: Special Education
330307 Teacher Education: Nursing and Health
330399 Professional Development of Teachers not elsewhere classified

DISCIPLINE 339900 OTHER EDUCATION

This discipline covers other education not elsewhere classified.

It has the one subject:

339999 Other Education

Exclusions:
Legal education is included in Discipline 390200 Professional Development of Law Practitioners.

DIVISION 340000 ECONOMICS

This division covers economics.

This division has five disciplines:

340100 Economic Theory
340200 Applied Economics
340300 Economic History and History of Economic Thought
340400 Econometrics
349900 Other Economics

DISCIPLINE 340100 ECONOMIC THEORY

This discipline covers economic theory.

This discipline has four subjects:

340101 Microeconomic Theory
340102 Macroeconomic Theory
340103 Mathematical Economics
340199 Economic Theory not elsewhere classified

DISCIPLINE 340200 APPLIED ECONOMICS

This discipline covers applied economics.

This discipline has fifteen subjects:

340201 Agricultural Economics
340202 Environment and Resource Economics
340203 Finance Economics
340204 Health Economics
340205 Industry Economics and Industrial Organisation
340206 International Economics and International Finance
340207 Labour Economics
340208 Macroeconomics (incl. Monetary and Fiscal Theory)
340209 Public Sector Economics
340210 Welfare Economics
340211 Transport Economics
340212 Economic Geography
340213 Economic Development and Growth
340214 Urban and Regional Economics
340299 Applied Economics not elsewhere classified

Exclusions:
Tourism economics is included in Discipline 350500 Tourism.

DISCIPLINE 340300 ECONOMIC HISTORY AND HISTORY OF ECONOMIC THOUGHT

This discipline covers economic history and the history of economic thought.

This discipline has two subjects:

340301 Economic History
340302 History of Economic Thought

DISCIPLINE 340400 ECONOMETRICS

This discipline covers econometrics. It includes time-series analysis, cross-sectional analysis and panel data analysis.

This discipline has six subjects:

340401 Economic Models and Forecasting
340402 Econometric and Statistical Methods
340403 Time-Series Analysis
340404 Cross-Sectional Analysis
340405 Panel Data Analysis
340499 Econometrics not elsewhere classified

Exclusions:
Financial econometrics is included in Discipline 350300 Banking, Finance and Investment.

DISCIPLINE 349900 OTHER ECONOMICS

This discipline covers any economics not elsewhere specified.

This discipline has three subjects:

349901 Political Economy
349902 Comparative Economic Systems
349999 Economics not elsewhere classified

DIVISION 350000 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

This division covers commerce, management, tourism and services.

This division has seven disciplines:

350100 Accounting, Auditing and Accountability
350200 Business and Management
350300 Banking, Finance and Investment
350400 Transportation
350500 Tourism
350600 Services
359900 Other Commerce, Management, Tourism and Services

DISCIPLINE 350100 ACCOUNTING, AUDITING AND ACCOUNTABILITY

This discipline covers accounting, auditing and accountability.

This discipline has seven subjects:

350101 Financial Accounting
350102 Management Accounting
350103 Auditing and Accountability
350104 Taxation
350105 Bookkeeping
350106 International Accounting
350107 Other Accounting

Exclusions:
Business management is included in Discipline 350200 Business and Management.

DISCIPLINE 350200 BUSINESS AND MANAGEMENT

This discipline covers business management, industrial relations, marketing, public relations and electronic commerce.

This discipline has fourteen subjects:

350201 Human Resources Management
350202 Business Information Systems (incl. Data Processing)
350203 Industrial Relations
350204 Marketing and Market Research
350205 Sales and Distribution
350206 Advertising and Public Relations
350207 Office Services
350208 Organisational Planning and Management
350209 Small Business Management
350210 Quality Management
350211 Innovation and Technology Management
350212 International Business
350213 Electronic Commerce
350299 Business and Management not elsewhere classified

Exclusions:
Tourism management is included in Discipline 350500 Tourism.

DISCIPLINE 350300 BANKING, FINANCE AND INVESTMENT

This discipline covers banking, finance and investment.

This discipline has five subjects:

350301 Finance
350302 Financial Econometrics
350303 Financial Institutions (incl. Banking)
350304 Insurance Studies
350399 Banking, Finance and Investment not elsewhere classified

Exclusions:
Actuarial mathematics is included in Discipline 239900 Other Mathematical Sciences.

DISCIPLINE 350400 TRANSPORTATION

This discipline covers transportation.

This discipline has six subjects:

350401 Aeronautical Transportation
350402 Aircrew Training
350403 Nautical Transportation
350404 Marine Crew Training
350405 Road and Rail Transportation
350499 Transportation not elsewhere classified

DISCIPLINE 350500 TOURISM

This discipline covers tourism.

This discipline has nine subjects:

350501 Tourism Policy and Planning
350502 Tourism Resource Appraisal
350503 Impacts of Tourism
350504 Tourist Behaviour
350505 Tourism Economics
350506 Tourism Forecasting
350507 Tourism Management
350508 Tourism Marketing
350599 Tourism not elsewhere classified

DISCIPLINE 350600 SERVICES

This discipline covers services.

This discipline has seven subjects:

350601 Hospitality Management
350602 Food and Hospitality Services
350603 Real Estate and Valuation
350604 Professional Services (Legal, Management Consulting, etc.)
350605 Other Retail Services
350606 Wholesale Services
350699 Services not elsewhere classified

DISCIPLINE 359900 OTHER COMMERCE, MANAGEMENT, TOURISM AND SERVICES

This discipline covers commerce, management, tourism and services not elsewhere specified.

It has the one subject:

359999 Other Commerce, Management, Tourism and Services

DIVISION 360000 POLICY AND POLITICAL SCIENCE

This division covers political science, public policy and administration, international relations and other policy studies.

This division has three disciplines:

360100 Political Science
360200 Policy and Aministration
369900 Other Policy and Political Science

Exclusions:
(a) Administration and evaluation of health care and community services is included in Discipline 321200 Public Health and Health Services; and
(b) the history and philosophy of science and medicine is included in Discipline 370600 History and Philosophy of Science and Medicine.

DISCIPLINE 360100 POLITICAL SCIENCE

This discipline covers political science.

This discipline has six subjects:

360101 Australian Government and Politics
360102 Comparative Government and Politics
360103 Federalism and Intergovernmental Relations
360104 Political Theory and Political Philosophy
360105 International Relations
360199 Political Science not elsewhere classified

DISCIPLINE 360200 POLICY AND ADMINISTRATION

This discipline covers policy and administration.

This discipline has five subjects:

360201 Public Policy
360202 Public Administration
360203 Research, Science and Technology Policy
360204 Defence Studies
360299 Policy and Administration not elsewhere classified

DISCIPLINE 369900 OTHER POLICY AND POLITICAL SCIENCE

This discipline covers policy and political science not elsewhere classified.

It has the one subject:

369999 Other Policy and Political Science

DIVISION 370000 STUDIES IN HUMAN SOCIETY

This division covers studies in human society, including sociology, social work, anthropology, human geography, demography and history and philosophy of science and medicine.

This division has seven disciplines:

370100 Sociology
370200 Social Work
370300 Anthropology
370400 Human Geography
370500 Demography
370600 History and Philosophy of Science and Medicine
379900 Other Studies in Human Society

DISCIPLINE 370100 SOCIOLOGY

This discipline covers sociology. It includes social theory, policy and planning, race and ethnic relations, community studies and social change.

This discipline has eight subjects:

370101 Social Theory
370102 Social Policy and Planning
370103 Race and Ethnic Relations
370104 Urban Sociology and Community Studies
370105 Applied Sociology, Program Evaluation and Social Impact Assessment
370106 Sociological Methodology and Research Methods
370107 Social Change
370199 Sociology not elsewhere classified

Exclusions:
(a) Sociology of education is included in Discipline 330100 Education Studies; and
(b) criminology is included in Discipline 390400 Law Enforcement.

DISCIPLINE 370200 SOCIAL WORK

This discipline covers social work.

This discipline has five subjects:

370201 Clinical Social Work Practice
370202 Social Program Evaluation
370203 Social Policy
370204 Counselling, Welfare and Community Services
370299 Social Work not elsewhere classified

Exclusions:
Urban and regional studies is included in Discipline 370400 Human Geography.

DISCIPLINE 370300 ANTHROPOLOGY

This discipline covers anthropology.

This discipline has four subjects:

370301 Biological (Physical) Anthropology
370302 Social and Cultural Anthropology
370303 Linguistic Anthropology
370399 Anthropology not elsewhere classified

DISCIPLINE 370400 HUMAN GEOGRAPHY

This discipline covers human geography.

This discipline has four subjects:

370401 Urban and Regional Studies
370402 Social and Cultural Geography
370403 Recreation and Leisure Studies
370499 Human Geography not elsewhere classified

Exclusions:
(a) Physical geography is included in Discipline 269900 Other Earth Sciences;
(b) economic geography is included in Discipline 340200 Applied Economics; and
(c) demography is included in Discipline 370500 Demography.

DISCIPLINE 370500 DEMOGRAPHY

This discipline covers population and demographic studies.

This discipline has five subjects:

370501 Population Trends and Policies
370502 Migration
370503 Fertility
370504 Family and Household Studies
370599 Demography not elsewhere classified

Exclusions:
Actuarial studies are included in Discipline 350300 Banking, Finance and Investment.

DISCIPLINE 370600 HISTORY AND PHILOSOPHY OF SCIENCE AND MEDICINE

This discipline covers the history and philosophy of science and medicine.

This discipline has four subjects:

370601 History and Philosophy of Science and Technology
370602 Sociology and Social Studies of Science and Technology
370603 History and Philosophy of Medicine
370699 History and Philosophy of Science and Medicine not elsewhere classified

Exclusions:
(a) Human bioethics is included in Discipline 321200 Public Health and Health Services; and
(b) science and technology policy is included in Discipline 360200 Political Studies and Administration.

DISCIPLINE 379900 OTHER STUDIES IN HUMAN SOCIETY

This discipline covers studies in human society not elsewhere classified.

This discipline has three subjects:

379901 Gender Specific Studies
379902 Aboriginal Studies
379999 Studies in Human Society not elsewhere classified

DIVISION 380000 BEHAVIOURAL AND COGNITIVE SCIENCES

This division covers the behavioural and cognitive sciences.

This division has four disciplines:

380100 Psychology
380200 Linguistics
380300 Cognitive Science
389900 Other Behavioural and Cognitive Sciences

DISCIPLINE 380100 PSYCHOLOGY

This discipline covers psychology.

This discipline has ten subjects:

380101 Sensory Processes, Perception and Performance
380102 Learning, Memory, Cognition and Language
380103 Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)
380104 Personality, Abilities and Assessment
380105 Social and Community Psychology
380106 Developmental Psychology and Ageing
380107 Health, Clinical and Counselling Psychology
380108 Industrial and Organisational Psychology
380109 Psychological Methodology, Design and Analysis
380199 Psychology not elsewhere classified

Exclusions:
(a) The application of psychology to an understanding of computer-human interface is included in Discipline 280100 Information Systems;
(b) neuroscience is included in Discipline 320700 Neurosciences;
(c) mental health is included in Discipline 321200 Public Health and Health Services;
(d) sport and exercise psychology is included in Discipline 321400 Human Movement and Sports Science;
(e) educational psychology is included in Discipline 330100 Education Studies;
(f) the application of psychology to cognitive science is included in Discipline 380300 Cognitive Science;
(g) criminology is included in Discipline 390400 Law Enforcement; and
(h) psychology of religion is included in Discipline 440200 Religion and Religious Traditions.

DISCIPLINE 380200 LINGUISTICS

This discipline covers linguistics.

This discipline has nine subjects:

380201 Applied Linguistics and Educational Linguistics
380202 Computational Linguistics
380203 Discourse and Pragmatics
380204 Laboratory Phonetics and Speech Science
380205 Language in Culture and Society (Sociolinguistics)
380206 Language in Time and Space (incl. Historical Linguistics, Dialectology)
380207 Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
380208 Lexicography
380299 Linguistics not elsewhere classified

Exclusions:
(a) Linguistic anthropology is included in Discipline 370300 Anthropology; and
(b) linguistic processes is included in Discipline 380300 Cognitive Science.

DISCIPLINE 380300 COGNITIVE SCIENCE

This discipline covers cognitive science.

This discipline has seven subjects:

380301 Philosophy of Cognition
380302 Linguistic Processes (incl. Speech Production and Comprehension)
380303 Computer Perception, Memory and Attention
380304 Neurocognitive Patterns and Neural Networks
380305 Knowledge Representation and Machine Learning
380306 Planning and Problem Solving
380399 Cognitive Science not elsewhere classified

Exclusions:
Artificial intelligence is included in Discipline 280200 Artificial Intelligence and Signal and Image Processing.

DISCIPLINE 389900 OTHER BEHAVIOURAL AND COGNITIVE SCIENCES

This discipline covers behavioural and cognitive sciences not elsewhere classified.

It has the one subject:

389999 Other Behavioural and Cognitive Sciences

DIVISION 390000 LAW, JUSTICE AND LAW ENFORCEMENT

This division covers law, justice and law enforcement.

This division has five disciplines:

390100 Law
390200 Professional Development of Law Practitioners
390300 Justice and Legal Studies
390400 Law Enforcement
399900 Other Law, Justice and Law Enforcement

DISCIPLINE 390100 LAW

This discipline covers law.

This discipline has twenty one subjects:

390101 Administrative Law
390102 Comparative Law
390103 Constitutionalism and Constitutional Law
390104 Commercial and Contract Law
390105 Corporations and Associations law
390106 Criminal Law
390107 Environmental and Natural Resources Law
390108 Family Law
390109 Civil Law
390110 Indigenous Law
390111 International Law
390112 Law and Literature
390113 Legal History
390114 Intellectual Property
390115 Property Law and Conveyancing (excl. Intellectual Property)
390116 Labour Law
390117 Tort Law
390118 Taxation Law
390119 Equity Law
390120 Trust Law
390199 Law not elsewhere classified

DISCIPLINE 390200 PROFESSIONAL DEVELOPMENT OF LAW PRACTITIONERS

This discipline covers the professional development of law practitioners.

This discipline has five subjects:

390201 Legal Practice
390202 Adjudication
390203 Legal Education
390204 Professional Ethics
390299 Professional Development of Law Practitioners not elsewhere classified

DISCIPLINE 390300 JUSTICE AND LEGAL STUDIES

This discipline covers justice and legal studies.

This discipline has six subjects:

390301 Justice Systems and Administration
390302 Jurisprudence and Legal Theory
390303 Human Rights
390304 Counselling and Mediation Services
390305 Law and Society
390399 Justice and Legal Studies not elsewhere classified

DISCIPLINE 390400 LAW ENFORCEMENT

This discipline covers law enforcement.

This discipline has six subjects:

390401 Criminology
390402 Evidence and Procedure
390403 Police Administration, Procedures and Practice
390404 Detection and Prevention of Crime; Security Services
390405 Correctional Theory and Services; Penology
390499 Law Enforcement not elsewhere classified

DISCIPLINE 399900 OTHER LAW, JUSTICE AND LAW ENFORCEMENT

This discipline covers law, justice and law enforcement not elsewhere classified.

This discipline has two subjects:

399901 History and Philosophy of Law and Justice
399999 Law, Justice and Law Enforcement not elsewhere classified

DIVISION 400000 JOURNALISM, LIBRARIANSHIP AND CURATORIAL STUDIES

This division covers journalism, librarianship and curatorial studies.

This division has four disciplines:

400100 Journalism, Communication and Media
400200 Librarianship
400300 Curatorial Studies
409900 Other Journalism, Librarianship and Curatorial Studies

DISCIPLINE 400100 JOURNALISM, COMMUNICATION AND MEDIA

This discipline covers media and communication studies and journalism.

This discipline has five subjects:

400101 Journalism
400102 Technical Writing
400103 Professional Creative Writing
400104 Communication and Media Studies
400199 Journalism, Communication and Media not elsewhere classified

Exclusions:

Communication technologies is included in Discipline 291700 Communications Technologies.

DISCIPLINE 400200 LIBRARIANSHIP

This discipline covers librarianship.

It has the one subject:

400201 Librarianship

DISCIPLINE 400300 CURATORIAL STUDIES

This discipline covers museum studies, archival studies and other curatorial studies.

This discipline has four subjects:

400301 Museum Studies
400302 Archival Studies
400303 Materials Conservation
400399 Curatorial Studies not elsewhere classified

DISCIPLINE 409900 OTHER JOURNALISM, LIBRARIANSHIP AND CURATORIAL STUDIES

This discipline covers journalism, librarianship and curatorial studies not elsewhere classified.

It has the one subject:

409999 Other Journalism, Librarianship and Curatorial Studies

DIVISION 410000 THE ARTS

This division covers the study of the arts, including music, fine arts and drama.

It also includes study of the cinema, electronic arts and design studies.

This division has five disciplines:

410100 Performing Arts
410200 Visual Arts and Crafts
410300 Cinema, Electronic Arts and Multimedia
410400 Design Studies
419900 Other Arts

DISCIPLINE 410100 PERFORMING ARTS

This discipline covers the performing arts.

This discipline has five subjects:

410101 Music
410102 Drama, Theatre and Performance Studies
410103 Dance
410104 Indigenous Performing Arts
410199 Performing Arts not elsewhere classified

DISCIPLINE 410200 VISUAL ARTS AND CRAFTS

This discipline covers the visual arts and crafts.

This discipline has five subjects:

410201 Graphic Arts
410202 Fine Arts (incl. Sculpture and Painting)
410203 Photography
410204 Crafts
410299 Visual Arts and Crafts not elsewhere classified

DISCIPLINE 410300 CINEMA, ELECTRONIC ARTS AND MULTIMEDIA

This discipline covers study of the cinema, electronic arts and multimedia.

This discipline has four subjects:

410301 Film and Video
410302 Cinema Studies
410303 Multimedia
410304 Other Cinema and Electronic Arts

Exclusions:
(a) Photography is included in Discipline 410200 Visual Arts and Crafts; and
(b) screen and media culture is included in Discipline 420300 Cultural Studies.

DISCIPLINE 410400 DESIGN STUDIES

This discipline covers design studies, including related fields such as industrial arts and design and ergonomics.

This discipline has six subjects:

410401 Design Theory
410402 Design Innovation
410403 Design Studio Practice
410404 Design Management and Professional Practice
410405 Design History and Cultural Theory
410499 Design Studies not elsewhere classified

Exclusions:
(a) Architecture is included in Discipline 310100 Architecture and Urban Environment; and
(b) fine arts is included in Discipline 410200 Visual Arts and Crafts.

DISCIPLINE 419900 OTHER ARTS

This discipline covers the arts not elsewhere classified.

This discipline has two subjects:

419901 Art History and Appreciation
419999 The Arts not elsewhere classified

DIVISION 420000 LANGUAGE AND CULTURE

This division covers language, literature and cultural studies.

This division has four disciplines:

420100 Language Studies
420200 Literature Studies
420300 Cultural Studies
429900 Other Language and Culture

Exclusions:
Linguistics is included in Discipline 380200 Linguistics.

DISCIPLINE 420100 LANGUAGE STUDIES

This discipline covers language studies.

This discipline has twenty three subjects:

420101 English
420102 English as a Second Language
420103 Aboriginal Languages
420104 Latin
420105 Greek
420106 French
420107 German
420108 Italian
420109 Spanish
420110 Russian
420111 Other European Languages
420112 Chinese Languages
420113 Japanese
420114 Indonesian Languages
420115 Malaysian Languages
420116 Indian Languages
420117 Korean
420118 Vietnamese Languages
420119 Thai Languages
420120 Other Asian Languages
420121 Comparative Language Studies
420122 Oracy and Oral Traditions
420199 Language Studies not elsewhere classified

Exclusions:
Linguistics is included in Discipline 380200 Linguistics.

DISCIPLINE 420200 LITERATURE STUDIES

This discipline covers literature and literary studies.

This discipline has twenty one subjects:

420201 British and Irish
420202 Australian and New Zealand
420203 North American
420204 South American
420205 Latin and Classical Greek
420206 French
420207 German
420208 Italian
420209 Russian
420210 Other European
420211 Chinese
420212 Japanese
420213 Indonesian
420214 Indian
420215 Other Asian
420216 Comparative Literature Studies
420217 Textual Transmission and the Material Record
420218 Literary Theory
420219 Stylistics
420220 Folklore, Myth and Mythologies
420299 Literature Studies not elsewhere classified

DISCIPLINE 420300 CULTURAL STUDIES

This discipline covers cultural studies.

This discipline has nine subjects:

420301 Cultural Policy Studies
420302 Cultural Theory
420303 Culture, Gender, Sexuality
420304 Screen and Media Culture
420305 Aboriginal Cultural Studies
420306 Postcolonial and Global Cultural Studies
420307 Consumption and Everyday Life
420308 Multicultural, Intercultural and Cross-cultural Studies
420399 Cultural Studies not elsewhere classified

DISCIPLINE 429900 OTHER LANGUAGE AND CULTURE

This discipline covers language and culture not elsewhere classified.

It has the one subject:

429999 Other Language and Culture

DIVISION 430000 HISTORY AND ARCHAEOLOGY

This division covers history and archaeology.

This division has three disciplines:

430100 Historical Studies
430200 Archaeology and Prehistory
439900 Other History and Archaeology

DISCIPLINE 430100 HISTORICAL STUDIES

This discipline covers the study of history and biography.

This discipline has thirteen subjects:

430101 History: Australian
430102 History: Asian
430103 History: Pacific
430104 History: North American
430105 History: Latin American
430106 History: African
430107 History: British
430108 History: European
430109 History: Middle Eastern
430110 History: Classical Greek and Roman
430111 History: Other
430112 Biography
430199 Historical Studies not elsewhere classified

Exclusions:
(a) The history of education is included in Discipline 330100 Education Studies;
(b) the history of science and medicine is included in Discipline 370600 History and Philosophy of Science and Medicine;
(c) the history of law and justice is included in Discipline 399900 Other Law, Justice and Law Enforcement; and
(d) historical archaeology is included in Discipline 430200 Archaeology and Prehistory.

DISCIPLINE 430200 ARCHAEOLOGY AND PREHISTORY

This discipline covers archaeology and prehistory.

This discipline has eight subjects:

430201 Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
430202 Archaeology of Agricultural and Pastoral Societies
430203 Archaeology of Complex Societies: Europe, the Mediterranean and the Levant
430204 Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
430205 Historical Archaeology (incl. Industrial Archaeology)
430206 Maritime Archaeology
430207 Archaeological Science
430299 Archaeology and Prehistory not elsewhere classified

DISCIPLINE 439900 OTHER HISTORY AND ARCHAEOLOGY

This discipline covers history and archaeology not elsewhere classified.

It has the one subject:

439999 Other History and Archaeology

DIVISION 440000 PHILOSOPHY AND RELIGION

This division covers philosophy and religion.

This division has three disciplines:

440100 Philosophy
440200 Religion and Religious Traditions
449900 Other Philosophy and Religion

DISCIPLINE 440100 PHILOSOPHY

This discipline covers philosophy.

This discipline has sixteen subjects:

440101 Aesthetics
440102 Epistemology
440103 Ethical Theory
440104 Applied Ethics (incl. Bioethics and Environmental Ethics)
440105 History of Philosophy and History of Ideas
440106 Logic
440107 Metaphysics
440108 Philosophy of Language
440109 Philosophy of Mind (excl. Cognition)
440110 Social Philosophy
440111 Phenomenology
440112 Hermeneutic Theory
440113 Comparative Philosophy
440114 Philosophy of Action
440115 Philosophy of Specific Cultures (e.g. Ancient Greek, Chinese)
440199 Philosophy not elsewhere classified

Exclusions:
(a) Mathematical logic is included in Discipline 230100 Mathematics;
(b) human bioethics is included in Discipline 321200 Public Health and Health Services;
(c) political philosophy is included in Discipline 360100 Political Science;
(d) the philosophy of cognition is included in Discipline 380300 Cognitive Science;
(e) the philosophy of science and medicine is included in Discipline 390600 History and Philosophy of Science and Medicine;
(f) the philosophy of law and justice is included in Discipline 399900 Other Law, Justice and Law Enforcement; and
(g) the philosophy of religion is included in Discipline 440200 Religion and Religious Traditions.

DISCIPLINE 440200 RELIGION AND RELIGIOUS TRADITIONS

This discipline covers the study of religion. It includes theology, comparative religion and the philosophy of religion.

This discipline has ten subjects:

440201 Hindu Studies
440202 Buddhist Studies
440203 Jewish Studies
440204 Christian Theology (incl. Biblical Studies and Church History)
440205 Islamic Studies
440206 Studies in Other Religious Traditions
440207 Religion and Society
440208 Psychology of Religion
440209 Philosophy of Religion
440299 Religion and Religious Traditions not elsewhere classified

Exclusions:
(a) Language studies are included in Discipline 420100 Language Studies; and
(b) folklore, myth and mythologies are included in Discipline 420200 Literature Studies.

DISCIPLINE 449900 OTHER PHILOSOPHY AND RELIGION

This discipline covers philosophy and religion not elsewhere classified.

It has the one subject:

449999 Other Philosophy and Religion