JACS Subject Coding System

A

Medicine and Dentistry

A100  Pre-clinical Medicine
Vocational science of preventing, diagnosing, alleviating or curing disease in homo sapiens. Includes such areas as Anatomy, Physiology, Pharmacy and Nutrition which can be specialisms in their own right.

A200  Pre-clinical Dentistry
Vocational science concerned with the diagnosis and treatment of damage, disease and disorder to the teeth and gums of homo sapiens.

A300  Clinical Medicine
The observation, diagnosis and treatment of an illness or disease through direct interaction with human patients.

A400  Clinical Dentistry
The observation, diagnosis and treatment of disease or damage to teeth and gums through direct interaction with human patients.

A900  Others in Medicine and Dentistry
Miscellaneous grouping for related subjects which do not fit into the other Medicine and Dentistry categories. To be used sparingly.

A990  Medicine and Dentistry not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Others in Medicine and Dentistry categories. To be used sparingly.

B

Subjects Allied to Medicine

B100  Anatomy, Physiology and Pathology
The study of the human body and how it is affected by disease. Taught by the dissection of cadavers, use of microscope slides and interviewing patients. Includes study at a cellular level.

B110  Anatomy
The scientific study of the structure and function of the human body, including tissues, organs and systems.

B120  Physiology
The study of systemic function and behaviour of the human body, including processes such as respiration, circulation, digestion, excretion, and reproduction.

B130  Pathology
The study of the nature, causes and development of human diseases, and the mechanisms of disease infestation and transfer.

B131  Cellular Pathology
The study of the effects and nature of diseases in cellular structures.

B132  Pathobiology
The study of the biological nature of diseases.

B140  Neuroscience
The study of the anatomy, physiology, biophysics, biochemistry, molecular biology and behaviour roles of neuron cells and biological nervous systems in humans.

B160  Physiotherapy
The study of the planning and execution of treatment programmes to prevent or remedy physical dysfunction, relieve pain and prevent further disability.

B190  Anatomy, Physiology and Pathology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Anatomy, Physiology and Pathology categories. To be used sparingly.

B200  Pharmacology, Toxicology and Pharmacy
The study of drugs, their characteristics, actions and uses. Includes the study of poisons, their nature, effects and antidotes. Also includes how drugs and other chemicals interact with biological systems.

B210  Pharmacology
The study of the therapeutic and toxic effects of drugs on human tissues and systems.

B220  Toxicology
The study of the nature, source, identification and characteristics of poisons, toxic substances, and exogenous chemical agents and their effects on human tissues and systems.

B230 Pharmacy
The study of the professional practice of pharmacy. Includes instruction in principles of medicinal chemistry, drug behaviour, and mixing, preparing and dispensing of prescription medications.

B290 Pharmacology, Toxicology and Pharmacy not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Pharmacology, Toxicology and Pharmacy categories. To be used sparingly.

B300 Complementary Medicine
The prevention, alleviation and treatment of illness or disease by techniques not covered within clinical medicine. Includes such areas as acupuncture, osteopathy, reflexology etc.

B310 Osteopathy
The treatment of disease through the manipulation of bones.

B320 Chiropractic
The diagnosis and manipulative treatment of mechanical disorders of the joints.

B330 Chiropody
The treatment of the feet, and their ailments. Also called Podiatry.

B340 Alternative Medicine
Methods of diagnosis and treatment considered outside the scope of mainstream medicine in the UK.

B341 Chinese
The range of medical techniques with roots in China, such as moxibustion, massage, cupping, gwa sha, breath work (Qi Gong) and exercise (Tai Chi).

B342 Herbalism
The use of herbs in the treatment of illness.

B343 Acupuncture
The method of treating various conditions by pricking the skin or tissues with needles.

B344 Aromatherapy
The use of plant extracts and essential oils in massage.

B345 Hypnotherapy
The treatment of disease by hypnosis.

B346 Reflexology
A system of massage through reflex points on the feet, hands and head used to relieve tension and treat illness.

B390 Complementary Medicine not elsewhere classified
Miscellaneous grouping for related subjects not elsewhere classified. To be used sparingly.

B400 Nutrition
The study of the process of assimilating nutrient materials into animal or plant tissue. Designed to enhance health and the quality of life of those treated.

B410 Dietetics
The study of nutritional services, menu planning and diet formulation for individuals, families and institutions.

B490 Nutrition not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Dietetics categories. To be used sparingly.

B500 Ophthalmics
The study of the eye, disruption to sight and diseases of the eye. Also includes treatment of eye disorders.

B510 Optometry
The study of the principles and techniques for examining, diagnosing and treating conditions of the human visual system.

B520 Orthoptics
The study of principles and techniques for the correction of vision defects in humans using therapeutic exercises.

B590 Ophthalmics not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Ophthalmic categories. To be used sparingly.

B600 Aural and Oral Sciences
The study of speech and hearing and problems that can occur with them. Includes the treatment of hearing defects and speech impediments.

**B610 Audiology**
The study of the anatomy and physiology of the human hearing organs, their function and malfunction, and related environmental and behavioural topics.

**B620 Speech Science**
The study of the anatomy and physiology of the human speech organs, their function and malfunction, and related environmental and behavioural topics.

**B630 Language Pathology**
The study of the principles and techniques of therapies for persons with physical or behavioural disorders that affect speaking or comprehension.

**B690 Aural and Oral Sciences not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Aural and Oral Science categories. To be used sparingly.

**B700 Nursing**
Vocational science concerning the practical care of sick, injured or infirm patients in hospital and the community. May include allied subjects in behavioural, social and biological sciences.

**B701 Palliative Care Nursing**
The study of principles and techniques for the provision of palliative care of the sick, disabled and infirm.

**B710 Community Nursing**
The study of principles and techniques for the provision of care for the sick, disabled and infirm within a community.

**B711 District Nursing**
The vocational study of principles and techniques associated with the peripatetic care of individuals within a community.

**B712 Health Visiting**
The study of the techniques of assisting elderly, convalescent or disabled persons in their homes, and providing for their physical, mental and social healthcare needs.

**B713 School Nursing**
The vocational study of principles and techniques for the provision of care within a school setting.

**B714 Practice Nursing**
The vocational study of principles and techniques associated with a doctor's surgery.

**B720 Midwifery**
The vocational study of principles and techniques to allow midwives to deliver babies and treat mothers in the pre-natal, delivery and post-delivery periods.

**B730 Paediatric Nursing**
The vocational study of the principles and techniques to allow nurses to provide care for children, from infancy to adolescence.

**B740 Adult Nursing**
The vocational study of the principles and techniques to allow nurses to provide care for adults

**B741 Geriatric Nursing**
The vocational study of the principles and techniques to allow nurses to provide care for the elderly.

**B750 Dental Nursing**
The study of principles and techniques in providing assistance to dentists undertaking dental procedures and care to persons undergoing such procedures.

**B760 Mental Health Nursing**
The study of principles and techniques to allow nurses to provide care for persons with mental, emotional or behavioural disorders.

**B761 Learning Disability Nursing**
The study of the principles and techniques to provide support for learning needs.

**B770 Medical Nursing**
The study of principles and techniques to allow nurses to provide care to patients before and during surgery and to provide assistance to surgeons.

**B771 Critical Care Nursing**
JACS Subject Coding System

The study of principles and techniques for care of critically ill patients.

**B780** Paramedical Nursing
The study of principles and techniques to allow nurses to provide on-site care for persons with acute illnesses or injuries.

**B790** Nursing not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Nursing categories. To be used sparingly.

**B800** Medical Technology
The study of the use and development of medical equipment and its potential, including that used in radiography. Also involves understanding the effects of the various forms of radiation used to display and treat damage or illness.

**B810** Cardiography
The study of techniques aimed at diagnosing disorders of the human cardiovascular system.

**B820** Radiology
The study of the principles and techniques in the use of radiation to provide diagnostic information and therapy in medicine.

**B821** Radiography, Diagnostic
The study of the principles and techniques in the use of radiation to provide medical diagnostic information.

**B822** Radiography, Therapeutic
The study of the treatment of human diseases by means of controlled exposure to forms of radiation.

**B830** Biomechanics, Biomaterials and Prosthetics (non-clinical)
The study of the mechanical laws relating to the movement and structure of the human body. Also the design and construction of artificial materials and devices for the purpose of regulating/replacing human tissues, organs or limbs.

**B840** Dental Technology
The study of the design and fabrication of dental prosthetics and restorative appliances.

**B850** Mortuary Technology
The study of the techniques/processes and equipment relating to the storage of deceased human beings.

**B890** Medical Technology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Medical Technology categories. To be used sparingly.

**B900** Others in Subjects Allied to Medicine
Miscellaneous grouping for related subjects which do not fit into the other Subjects Allied to Medicine categories. To be used sparingly.

**B910** Environmental Health
The study of the monitoring and evaluation of health hazards and the planning and management of public health programmes.

**B920** Occupational Health
The monitoring and evaluation of health standards related to industrial and commercial workplaces and locations.

**B930** Occupational Therapy
The study of therapeutic regimes to assist recovery from mental or physical ailments/injury.

**B940** Counselling
The study of the provision of support services aimed at helping people to maintain a healthy and positive mental disposition in addressing problems.

**B990** Subjects Allied to Medicine not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Subjects Allied to Medicine categories. To be used sparingly.

**C** Biological Sciences

**C100** Biology
A broadly based scientific study of living organisms, both animal and vegetable. Includes their structure, functions, evolution, distribution and interrelationships.
<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C110</td>
<td>Applied Biology</td>
<td>Topics in Biology of commercial or social importance.</td>
</tr>
<tr>
<td>C111</td>
<td>Parasitology</td>
<td>The study of the transmission and control of parasitic diseases and their vectors.</td>
</tr>
<tr>
<td>C120</td>
<td>Behavioural Biology</td>
<td>The study of biological factors of behaviour.</td>
</tr>
<tr>
<td>C130</td>
<td>Cell Biology</td>
<td>Concerned with the organisation of the cell, cell membrane and cell communication.</td>
</tr>
<tr>
<td>C131</td>
<td>Applied Cell Biology</td>
<td>Topics in Cell Biology of commercial or social importance.</td>
</tr>
<tr>
<td>C140</td>
<td>Developmental/Reproductive Biology</td>
<td>The study of the development and reproduction of multi-cellular organisms and the differentiation of cells, tissues and organs.</td>
</tr>
<tr>
<td>C141</td>
<td>Developmental Biology</td>
<td>The study of the development of multi-cellular organisms.</td>
</tr>
<tr>
<td>C142</td>
<td>Reproductive Biology</td>
<td>The study of the reproduction of multi-cellular organisms.</td>
</tr>
<tr>
<td>C150</td>
<td>Environmental Biology</td>
<td>Relates animals and plants to their terrestrial and marine habitats.</td>
</tr>
<tr>
<td>C160</td>
<td>Marine/Freshwater Biology</td>
<td>The study of aquatic biology.</td>
</tr>
<tr>
<td>C161</td>
<td>Marine Biology</td>
<td>The study of saltwater and oceanic biology.</td>
</tr>
<tr>
<td>C162</td>
<td>Freshwater Biology</td>
<td>The study of freshwater and estuarine biology.</td>
</tr>
<tr>
<td>C170</td>
<td>Population Biology</td>
<td>The study of organism numbers and population dynamics.</td>
</tr>
<tr>
<td>C180</td>
<td>Ecology</td>
<td>The study of organisms in their environment, their interactions and history.</td>
</tr>
<tr>
<td>C181</td>
<td>Biodiversity</td>
<td>Concentrates on the design and development of different species and their interrelationships.</td>
</tr>
<tr>
<td>C182</td>
<td>Evolution</td>
<td>The study of organisms' adaptation to their environment and the mechanisms of heredity and change.</td>
</tr>
<tr>
<td>C190</td>
<td>Biology not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Biology categories. To be used sparingly.</td>
</tr>
<tr>
<td>C191</td>
<td>Biometry</td>
<td>Concerned with the quantitative techniques and measurement in the biological Sciences.</td>
</tr>
<tr>
<td>C200</td>
<td>Botany</td>
<td>The study of plants including their classification, structure, physiology, ecology and economic importance. Includes the importance of plants for a balanced ecosystem including the process of energy fixation and conversion in to the biosphere (and thus with food and fuel). May also be called Plant Science.</td>
</tr>
<tr>
<td>C210</td>
<td>Applied Botany</td>
<td>Topics in Botany of commercial or social importance.</td>
</tr>
<tr>
<td>C220</td>
<td>Mycology</td>
<td>The study of fungi, symbiotic relationships and their role in decay.</td>
</tr>
<tr>
<td>C240</td>
<td>Plant Cell Science</td>
<td>Concerned with the cellular organisation and function in plants.</td>
</tr>
<tr>
<td>C250</td>
<td>Plant Pathology</td>
<td>Concerned with the diseases of plants and their treatments.</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td></td>
</tr>
</tbody>
</table>
| C290 | Botany not elsewhere classified  
Miscellaneous grouping for related subjects which do not fit into other Botany categories. To be used sparingly. |
| C300 | Zoology  
The scientific study of all aspects of animal biology: their reproduction, development, physiology, behaviour, mechanics of locomotion, diseases and interactions with the environment. |
| C310 | Applied Zoology  
Zoological topics of commercial or social importance, eg animal disease and eradication. |
| C320 | Cell Zoology  
Concerned with the cellular organisation and function in animals. |
| C330 | Developmental Zoology  
Development of animals, in particular the differentiation of cells, tissues and organs. |
| C340 | Entomology  
The study of insects, including their role as pests. |
| C350 | Marine Zoology  
The biological study of animals in seawater environments. |
| C360 | Pest Science  
Concerned with vertebrate and invertebrate pests, their roles as disease vectors and agents of damage, and their control. |
| C390 | Zoology not elsewhere classified  
Miscellaneous grouping for related subjects which do not fit into other Zoology categories. To be used sparingly. |
| C400 | Genetics  
The scientific study of origin, heredity and variation in organisms; includes the inheritance of biological information. |
| C410 | Applied Genetics  
Topics in genetics of commercial or social importance, eg in animal and plant breeding, but not exclusively involving Genetic Engineering, which is coded as C460. |
| C420 | Human Genetics  
The study of the genetics of the human species, including chromosome theory and the mechanism of gene action. |
| C430 | Medical and Veterinary Genetics  
The investigation of genetic abnormalities and their treatment. |
| C431 | Medical Genetics  
The investigation of genetic abnormalities and their treatment in humans. |
| C432 | Veterinary Genetics  
The investigation of genetic abnormalities and their treatment in animals. |
| C440 | Molecular Genetics  
The study of genetic factors and processes at molecular level. |
| C450 | Genomics  
The branch of genetics that studies organisms in terms of their genomes (their full DNA sequences). |
| C460 | Genetic Engineering  
The use of various methods to manipulate the DNA (genetic material) of cells to change hereditary traits or produce biological products. |
| C490 | Genetics not elsewhere classified  
Miscellaneous grouping for related subjects which do not fit into other Genetics categories. To be used sparingly. |
| C500 | Microbiology  
The scientific study of micro-organisms encompassing major components of genetics and molecular biology. Includes bacteriology, virology, cell structure and function, and may include some immunology. |
| C510 | Applied Microbiology  
Topics in microbiology of commercial or social importance. |
| C520 | Medical and Veterinary Microbiology  
The study of the interactions between micro-organisms and their hosts. |
| C521 | Medical Microbiology |
The study of the interactions between micro-organisms and their human hosts.

**C522 Veterinary Microbiology**
The study of the interactions between micro-organisms and their animal hosts.

**C530 Bacteriology**
The study of bacteria and bacterial diseases.

**C540 Virology**
The study of viruses and viral diseases.

**C550 Immunology**
The study of the immune system as a defence mechanism against infection.

**C570 Serology**
The study of sera and blood-related products.

**C590 Microbiology not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Microbiology categories. To be used sparingly.

**C600 Sports Science**
The scientific study of the anatomy, physiology, biomechanics and psychology of the human body with a view to optimising performance in sporting activities.

**C700 Molecular Biology, Biophysics and Biochemistry**
The scientific study of the chemical compounds and reactions occurring in the cells of living organisms including the molecular and biochemical analysis of life processes. Involves aspects of cellular organisation and specialisation and how the structure and function of DNA, RNA proteins, enzymes and membranes determine biological processes.

**C710 Applied Molecular Biology, Biophysics and Biochemistry**
Topics in Molecular Biology, Biophysics and Biochemistry of commercial or social importance.

**C720 Biological Chemistry**
The study of the molecules and compounds that make up cells and organisms; how they are formed and how they interact. Includes the study of Molecular Biology.

**C730 Metabolic Biochemistry**
Covers the biochemical aspects of metabolic processes.

**C740 Medical and Veterinary Biochemistry**
The study of the molecular basis of health and illness.

**C741 Medical Biochemistry**
Covers the biochemical aspects of metabolic processes in humans.

**C742 Veterinary Biochemistry**
Covers the biochemical aspects of metabolic processes in animals.

**C750 Plant Biochemistry**
Concerned with cellular processes in plants including the understanding of the expression of genetic information.

**C760 Biomolecular Science**
The study of the molecular processes in the life sciences.

**C770 Biophysical Science**
The use of the methods of physical science in the biological sciences.

**C790 Molecular Biology, Biophysics and Biochemistry not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Molecular Biology, Biophysics and Biochemistry categories. To be used sparingly.

**C800 Psychology**
The study of behavioural and mental processes. May include study of the brain, the senses, and the biological and physiological bases of behaviour.

**C810 Applied Psychology**
The application of psychological evidence and theories to real world situations.

**C811 Occupational Psychology**
The psychology of selection, motivation and performance in the workplace.
JACS Subject Coding System

C812 Educational Psychology
The psychology of learning and teaching in educational settings.

C813 Sport Psychology
The psychology of sport.

C814 Organisational Psychology
The psychology of human behaviour in organisational settings.

C815 Business Psychology
The applications of psychology to business contexts.

C816 Forensic Psychology
The psychological aspects of crime and criminal behaviour.

C820 Developmental Psychology
The study of the development of psychological processes across the life cycle.

C821 Child Psychology
The study of the development of psychological processes in childhood.

C822 The Psychology of Ageing
Psychological aspects of the ageing process in adults.

C830 Methodological and Conceptual Issues in Psychology
Investigation into fundamental psychological processes.

C831 Research Methods in Psychology
The study of the techniques, methodology and statistical procedures used in psychology.

C832 Quantitative Psychology
The use of measurement, quantitative and statistical techniques in psychological testing.

C833 Qualitative Psychology
The use and analysis of qualitative techniques in psychology.

C834 History of Psychology
The historical development of methodology and theory in psychology.

C835 Philosophy of Psychology
Philosophical and conceptual issues underlying psychology.

C840 Psychology in Health and Medicine
The application of psychology to physiological and physical well-being.

C841 Health Psychology
The study of the psychological factors in maintaining and recovering physical well-being.

C842 Clinical Psychology
The study and treatment of psychological disorder.

C843 Counselling Psychology
The study and application of psychological processes of counselling.

C844 Psychotherapy
The study and application of psychological processes of therapy.

C845 Clinical Neuropsychology
The study of clinical aspects of the psychological consequences of neurological disorders.

C846 Community Psychology
The applications of psychology in community contexts.

C847 Psychoanalytical Studies
The application of psychodynamic approaches within psychology.

C848 Psychology of Mental Health
The study of psychological well-being.

C850 Cognitive and Affective Psychology
The study of the mechanism and processes associated with perception, learning, language, memory and the emotions.

C851 Psychological Modelling
The application of psychology to the development and application of computational models of cognitive processes.
JACS Subject Coding System

**C852 Psychology of Communication**
The study of psychological processes in verbal and non-verbal communication.

**C853 Psychology of Memory and Learning**
The study of psychological processes of memory and learning.

**C854 Psychology of Perception**
The study of psychological processes in perception.

**C855 Psychology of Higher Cognitive Processes**
The study of thinking, reasoning, decision-making and problem solving.

**C856 Experimental Psychology**
The experimental investigation of behavioural and mental processes

**C857 Affective Psychology**
Psychology of emotional behaviour.

**C858 Transpersonal Psychology**
The study of psychological aspects of spiritual and mystic experience.

**C860 Psychobiology**
Biological explanations of psychological processes.

**C861 Cognitive Neuroscience**
The study of neural mechanisms underlying cognitive processes.

**C862 Affective Neuroscience**
The study of neural mechanisms underlying emotional behaviour.

**C863 Psychopharmacology**
The study of the behavioural and psychological effects of drugs.

**C864 Evolutionary Psychology**
The study of evolutionary explanations of psychology.

**C865 Animal Psychology**
The study of cognitive processes in animals.

**C870 Personality and Individual Differences**
The study of psychological factors in individual differences.

**C871 Psychometrics**
The psychological testing of personality and individual differences.

**C872 Psychology of Gender**
The study of the influence of gender on psychological processes.

**C873 Cross-cultural Psychology**
The study of the influence of culture on psychological processes.

**C880 Social Psychology**
The study of behaviour and mental processes in social contexts.

**C881 Social Cognition**
The study of the cognitive processes involved in social interactions.

**C890 Psychology not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into the other Psychology categories. To be used sparingly.

**C900 Others in Biological Sciences**
Miscellaneous grouping for related subjects which do not fit into the other Biological (or Life) Sciences categories. To be used sparingly.

**C910 Applied Biological Sciences**
Topics in Other Biological Sciences of commercial or social importance.

**C990 Biological Sciences not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into the Others in Biological (or Life) Sciences categories. To be used sparingly.
JACS Subject Coding System

D

Veterinary Sciences, Agriculture and related subjects

D100  Pre-clinical Veterinary Medicine
Vocational science concerned with the diagnosis and treatment of disease in animals.

D190  Pre-clinical Veterinary Medicine not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Pre-clinical Veterinary Medicine categories. To be used sparingly.

D200  Clinical Veterinary Medicine and Dentistry
The observation, diagnosis and treatment of illness, disease or damage through direct interaction with non-human patients.

D210  Clinical Veterinary Medicine
The observation, diagnosis and treatment of illness, disease or damage through direct interaction with non-human patients.

D220  Clinical Veterinary Dentistry
The observation, diagnosis and treatment of illness, disease or damage to the teeth and gums through direct interaction with non-human patients.

D290  Clinical Veterinary Medicine and Dentistry not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Clinical Veterinary Medicine and Dentistry categories. To be used sparingly.

D300  Animal Science
The scientific study of animals, their nutrition, treatment and care. Includes the study of animals’ diseases and their cure. May include veterinary nursing. Also may include the study of drugs, their characteristics, actions and uses.

D310  Veterinary Nursing
Vocational science concerning the practical care of sick, injured and/or infirm animals.

D320  Animal Health
The study of animal diseases with the object of prevention or diagnosis and cure.

D321  Animal Anatomy
The study of the physical structure of an animal, how each part works and is related. Studies include dissection and use of microscope slides.

D322  Animal Physiology
The study of systemic function and behaviour of the animal frame, including processes such as respiration, circulation, digestion, excretion, and reproduction.

D323  Animal Pathology
The study of the effect of disease and/or damage to the animal frame. Studies include dissection and use of microscope slides.

D324  Animal Pharmacology
The study of drugs, their characteristics, actions, uses and effects on different animals.

D325  Animal Toxicology
The study of poisons, their nature, effect on different animals and possible antidotes.

D326  Animal Pharmacy
The study of the preparation and dispensing of animal-related drugs. Involves an understanding of the food-chain and its interaction with human beings.

D327  Animal Nutrition
The study of the process of assimilating nutrient materials into animal tissue.

D328  Animal Welfare
The study of the health, contentment and well being of animals, how such contentment should be maintained and the laws concerning animal housing and provision.

D330  Veterinary Public Health
The study of the prevention of the spread of disease from animals to man.

D340  Overseas Veterinary Development
The study of international veterinary practice and its development in specialist areas.
**JACS Subject Coding System**

D390  **Anima Sciences not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the other Animal Sciences categories. To be used sparingly.

D400  **Agriculture**  
The study of farming and husbandry, conservation, rural business studies and related applied sciences. Includes study and practical experience of cultivating land and rearing crops and livestock. May also include some aspects of rural recreation.

D410  **Arable and Fruit Farming**  
The study of the most efficient way to grow crops on a large scale, including those borne on trees, for food.

D411  **Agricultural Pests and Diseases**  
The study of diseases in crops and the animals and insects which attack them, with the object of preventing such disease or attack.

D412  **Crop Physiology**  
The study of crop structure and how it is affected by disease. Studies include dissection and use of microscope slides. Also includes study at cellular level.

D413  **Crop Nutrition**  
The study of the process of assimilating nutrient materials into crop tissue with the aim of understanding and providing the correct nutrient balance.

D414  **Crop Protection**  
The particular study of the development of immunities in crops. Also includes the study of artificial barriers, preventative or exterminators for the animals/insects which attack crops.

D415  **Crop Production**  
The study of growing and harvesting crops and the relationship of arable production to its environment and humans.

D416  **Glasshouse Culture**  
The study of plant growth in greenhouse conditions.

D417  **Amenity Plant Production**  
The study of plants grown for their appearance.

D418  **Exotic Plants and Crops**  
The study of the most efficient way to plant, sow and harvest non-native crops.

D420  **Livestock**  
The study of the most efficient way to keep animals for agricultural use rather than as pets.

D421  **Livestock Husbandry**  
The study of animals and their relationship with their environment and people in order to enable successful farming.

D422  **Equine Studies**  
The particular study of horses, their health, livery and use as farm, domestic and recreational animals.

D423  **Poultry Keeping**  
The study of egg and fowl production and the relationship of poultry to its environment and people.

D424  **Gamekeeping**  
The study of the breeding, maintenance and protection of wild animals preserved specifically for hunting purposes.

D425  **Exotic Livestock**  
The study of the most efficient way to keep, rear and breed animals not native to Britain.

D430  **Fish Farming**  
The study of the most efficient way to use an area of water to rear fish for commercial sale.

D431  **Fish Husbandry**  
The study of fish in their environment for fishing or fish farming.

D432  **Freshwater Fish**  
The study of fish generic to unsalted ponds, streams, rivers and lakes, their habits, breeding patterns and the unique effects of their environment.

D433  **Saltwater Fish**  
The study of fish generic to seas, oceans and salted estuaries, their habits, breeding patterns and the unique effects of their environment.
JACS Subject Coding System

D434 Ornamental Fish
The study of fish kept for recreational purposes, their habits and breeding patterns.

D435 Aquaculture
The study of the cultivation of water resources, both plant and animal, for human consumption or use.

D440 Rural Estate Management
The study of the administration of large landed properties as or on behalf of their owner. Includes elements of business studies, personnel management, buildings management.

D441 Farm Management
The study of the most efficient way to keep livestock and grow and harvest crops and fruit. Includes home farm management.

D442 Gamekeeping Management
The study of the habitat and management of land set aside for hunting purposes.

D443 Water Resource Management
The study of fresh and salt water, its use commercially, domestically and recreationally. Includes the conservation of water. Also includes the study of drought, flood and the water cycle.

D444 Land Management for Recreation
The study of land used for informal recreation. Includes study of erosion and damage to habitat from over or inappropriate use, and the techniques to prevent, cure and minimise such damage.

D445 Heritage Management
The study of the conservation of land which has or contains something of rarity value. Includes the study of Sites of Special Scientific Interest, sites of historical significance etc. May include maintenance and visitor management.

D446 Wilderness Management
The study of the conservation of wild, uninhabited and uncultivated land for aesthetic, recreational or scientific purposes.

D447 Environmental Conservation
The study of the protection and careful management of natural resources and the environment.

D450 International Agriculture
The study of the science or occupation of cultivating land and rearing crops in various parts of the world.

D460 Organic Farming
The study of agricultural processes conducted without the use of artificial chemicals in the form of fertilisers or pesticides.

D461 Organic Arable and Fruit Farming
The study of the most efficient way to grow crops on a large scale, including those borne on trees, for food, without the use of artificial chemicals or fertilisers.

D462 Organic Livestock
The study of the most efficient way to keep animals for agricultural use rather than as pets without the use of artificial chemicals or feed.

D463 Organic Fish Farming
The study of the most efficient way to use an area of water to rear fish for commercial sale, without the use of artificial chemicals.

D470 Agricultural Technology
The study of practical or mechanical sciences connected with agriculture as they apply to increased efficiency, economy and crop production.

D471 Agricultural Machinery
The study of the use and maintenance of agricultural machinery. Includes the study of tractors, hedge clippers, milking machines etc.

D472 Agricultural Irrigation and Drainage
The study of the control of water by means of artificial canals and ditches, mechanical pumps, weather stations etc.

D490 Agriculture not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Agriculture categories. To be used sparingly.

D500 Forestry
The study of planting and caring for trees and the management of woods and forests for conservation purposes, commercial exploitation and recreational use.
## JACS Subject Coding System

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D510</td>
<td>Trees and Shrubs</td>
<td>The study of the most efficient way to grow hardwood and softwood trees for harvesting.</td>
</tr>
<tr>
<td>D511</td>
<td>Forestry Pests and Diseases</td>
<td>The study of diseases in commercially-grown hardwood and softwood trees and the animals and insects which attack them, with the object of preventing such disease or attack.</td>
</tr>
<tr>
<td>D512</td>
<td>Tree Physiology</td>
<td>The study of hardwood and softwood tree structure and how it is affected by disease. Studies include dissection and use of microscope slides. Also includes study at cellular level.</td>
</tr>
<tr>
<td>D513</td>
<td>Tree Nutrition</td>
<td>The study of the process of assimilating nutrient materials into tree tissue with the aim of understanding and providing the correct balance.</td>
</tr>
<tr>
<td>D514</td>
<td>Tree Protection</td>
<td>The particular study of the development of immunities in trees. Also includes the study of artificial barriers, preventative measures or exterminators for the animals/insects which attack them.</td>
</tr>
<tr>
<td>D515</td>
<td>Tree Production</td>
<td>The study of growing and harvesting trees and the relationship of such tree production to its environment.</td>
</tr>
<tr>
<td>D516</td>
<td>Timber Production</td>
<td>The study of hardwood and softwood timber products. May include the different uses of wood products. May also include the suitability of certain trees for certain uses.</td>
</tr>
<tr>
<td>D517</td>
<td>Community Forestry</td>
<td>The study of forestry used for recreation. Includes study of formal and informal recreational uses, erosion and damage to habitat from over or inappropriate use, and the techniques to prevent, cure and minimise such damage.</td>
</tr>
<tr>
<td>D520</td>
<td>International Forestry</td>
<td>The study of the science or occupation of cultivating trees as a crop in various parts of the world.</td>
</tr>
<tr>
<td>D530</td>
<td>Organic Forestry</td>
<td>The study of forestry processes conducted without the use of artificial chemicals in the form of fertilisers or pesticides.</td>
</tr>
<tr>
<td>D540</td>
<td>Forestry Technology</td>
<td>The study of practical or mechanical sciences connected with forestry as they apply to increased efficiency, economy and crop production.</td>
</tr>
<tr>
<td>D541</td>
<td>Forestry Irrigation and Drainage</td>
<td>The study of the control of water and prevention of erosion by means of good planting, mechanical pumps etc.</td>
</tr>
<tr>
<td>D590</td>
<td>Forestry not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Forestry categories. To be used sparingly.</td>
</tr>
<tr>
<td>D600</td>
<td>Food and Beverage studies</td>
<td>The study of the properties and behaviour of food from the point of origin on the farm (or elsewhere), through different stages of storage, transportation, preservation or other transformations, including domestic or restaurant food preparation procedures, to its use by the consumer.</td>
</tr>
<tr>
<td>D610</td>
<td>Food Science</td>
<td>The study of the properties and behaviour of food. Includes the application of physical, chemical and biological sciences to food systems.</td>
</tr>
<tr>
<td>D611</td>
<td>Meat Science</td>
<td>The study of the properties of meat. Includes the application of food sciences to meat-inclusive food systems.</td>
</tr>
<tr>
<td>D612</td>
<td>Cereal Science</td>
<td>The study of the properties of cereal and grains. Includes the application of food sciences to cereal-inclusive food systems.</td>
</tr>
<tr>
<td>D613</td>
<td>Vegetable Science</td>
<td>The study of the properties of vegetables. Includes the application of food sciences to vegetable-inclusive food systems.</td>
</tr>
<tr>
<td>D614</td>
<td>Fruit Science</td>
<td>The study of the properties of fruit. Includes the application of food sciences to fruit-inclusive food systems.</td>
</tr>
<tr>
<td>D620</td>
<td>Food Hygiene</td>
<td>The study of the maintenance and promotion of health through the clean and sanitary handling of food.</td>
</tr>
</tbody>
</table>
JACS Subject Coding System

D630 Food and Beverage Production
The study of the process of supplying food and drink. Includes study of production techniques and the amount and rate at which foodstuffs are produced.

D631 Food and Beverage Manufacture
The study of the development of artificial foodstuffs. Includes the substitution of one type of food for another.

D632 Food and Beverage Processing
The study of the preservation and processing of foodstuffs.

D633 Food and Beverage Technology
The study of the production techniques for food and drink. Includes study of resources and environmental concerns.

D634 Industrial Baking
The study of the production of cooked foodstuffs. Includes the application of physical, chemical and biological sciences to food preparation.

D635 Industrial Brewing
The study of the production of liquid beverages. Includes the application of physical, chemical and biological sciences to drink preparation.

D640 Food and Beverages for the Consumer
The study of food products and their preparation to attract consumers.

D641 Food and Beverages Packaging
The study of packaging and packaging systems to ensure economic and hygienic handling and customer satisfaction.

D642 Food and Beverage Delivery
The study of transportation of food and drink to ensure economic and hygienic handling and customer satisfaction.

D690 Food and Beverage studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Food and Beverage studies categories. To be used sparingly.

D700 Agricultural Sciences
The specifically scientific study of aspects of agriculture, excluding wider non-laboratory-based agricultural subjects such as economics, business management and land use.

D710 Agricultural Biology
A scientific study of living organisms, both animal and vegetable with particular emphasis on their use in or effect on agricultural processes.

D711 Agricultural Microbiology
The scientific study of micro-organisms encompassing major components of genetics and molecular biology, with particular emphasis on their use in or effect on agricultural processes. Includes bacteriology, virology, cell structure and function and may include some immunology.

D720 Agricultural Chemistry
The particular study of how individual atoms and molecules react together naturally and/or synthetically to affect agricultural processes.

D721 Agricultural Biochemistry
The scientific study of the chemical compounds and reactions occurring in the cells and molecules of living organisms with particular emphasis on their use in or effect on agricultural processes. Involves aspects of cellular organisation and specialisation and how the structure and function of DNA, RNA, proteins, enzymes and membranes determine biological processes.

D730 Agricultural Botany
The particular study of plants cultivated as a crop. Includes their classification, structure, physiology, ecology and economic importance.

D740 Agricultural Zoology
The scientific study of all agriculture-related aspects of animal biology. Includes their reproduction, development, physiology, behaviour, diseases and interactions with their environment.

D750 Soil as an Agricultural medium
The study of the physical, chemical and biological processes which explain soil behaviour.

D790 Agricultural Sciences not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Agricultural Sciences categories. To be used sparingly.
JACS Subject Coding System

D900  Others in Veterinary Sciences, Agriculture and related subjects
Miscellaneous grouping for related subjects which do not fit into the other Veterinary Sciences, Agriculture and related subjects categories. To be used sparingly.

D990  Veterinary Sciences, Agriculture and related subjects not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Others in Veterinary Sciences, Agriculture and related subjects categories. To be used sparingly.

F  Physical Sciences

F100  Chemistry
The study of individual atoms and molecules and the way they react together naturally and synthetically.

F110  Applied Chemistry
Topics in chemistry of commercial or social importance.

F111  Industrial Chemistry
The study of chemical processes of industrial significance.

F112  Colour Chemistry
The chemical science of dyes and pigments.

F120  Inorganic Chemistry
The study of inorganic elements, compounds and reaction mechanisms.

F130  Structural Chemistry
Determination and analysis of chemical structures.

F131  Crystallography
The study and application of techniques for determining crystal structure.

F140  Environmental Chemistry
Concerned with environmental issues related to the chemical sciences.

F141  Marine Chemistry
Topics in the chemical sciences concerned with understanding the marine environment.

F150  Medicinal Chemistry
Aspects of Chemistry, such as drug design, of importance to medical science.

F151  Pharmaceutical Chemistry
The study of drug function.

F160  Organic Chemistry
The study of organic compounds and their reaction mechanisms.

F161  Organometallic Chemistry
The study of reactions between organic compounds and metals.

F162  Polymer Chemistry
The study of the properties of macromolecular compounds and their synthesis.

F163  Bio-organic Chemistry
The study of natural organic compounds.

F164  Petrochemical Chemistry
The chemical science of petroleum and petroleum compounds.

F165  Biomolecular Chemistry
The chemical science of biological materials at the molecular level.

F170  Physical Chemistry
The study of atomic and molecular structure, chemical bonding, energetics and dynamics.

F180  Analytical Chemistry
The study of chemical and instrumental analysis.

F190  Chemistry not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Chemistry categories. To be used sparingly.
F200  Materials Science
The study of the crystalline and granular structure of materials, including electronic atomic and molecular configurations. May include the study of mining and mining techniques.

F290  Materials Science not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Materials Science categories. To be used sparingly.

F300  Physics
The study of the properties of matter and energy and the relationships between them, making extensive use of mathematical techniques and models. May include mechanics, optics, electricity, magnetism and acoustics. May also include atomic, nuclear, particle and solid state studies.

F310  Applied Physics
Topics in physics of commercial or social importance.

F311  Engineering Physics
Physical principles and techniques applied to engineering and technology.

F320  Chemical Physics
Concerned with central area of physical science, integrating chemistry and physics.

F321  Solid- state Physics
Study of the structure of solids and the explanation of their properties.

F330  Environmental Physics
Aspects of physics concerned with environmental issues.

F331  Atmospheric Physics
The study of the Earth's upper atmosphere.

F332  Marine Physics
The study of the physical properties of the marine environment.

F340  Mathematical & Theoretical Physics
The mathematical principles and techniques of physics theory and explanation of physical phenomena.

F341  Electromagnetism
The study of the interaction of charges in electromagnetic fields.

F342  Quantum Mechanics
Description and analysis of sub-atomic behaviour.

F343  Computational Physics
Numerical and quantitative methods in physics.

F350  Medical Physics
The application of Physics to the medical sciences.

F351  Radiation Physics
Monitoring and evaluation of emissions from sources of radiation.

F360  Optical Physics
The study of optics as a natural phenomenon and optical instrumentation.

F361  Laser Physics
The study of lasers as optical instrumentation.

F370  Nuclear and Particle Physics
The study of matter at atomic and sub-atomic level, and of the structure and behaviour of nuclei.

F380  Acoustics
The study of the propagation and transmission of sound waves.

F390  Physics not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Physics categories. To be used sparingly.

F400  Forensic and Archaeological Sciences
The specifically scientific study of materials involved in investigative procedures. May necessitate the study of chemical processes and other scientific techniques including archaeological sciences.

F410  Forensic Science
The application of Forensic Science in evaluating evidence in courts of law. The techniques used include fingerprinting (both traditional and genetic), analysis of blood and poison samples, ballistics etc.

F420 Archaeological Science
Scientific analysis of the material remains of past cultures. Includes an approach to reconstruct and understand the past.

F490 Forensic and Archaeological Sciences not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Forensic and Archaeological Sciences categories. To be used sparingly.

F500 Astronomy
The specifically scientific study of celestial bodies. Includes mathematics, statistics, physics, photography and computing.

F510 Astrophysics
The study of the physical nature of the universe including cosmology and astronomical techniques.

F520 Space and Planetary Sciences
The study of the solar system and evaluation of physical measurements from space.

F521 Space Science
The physical science study of space beyond the solar system.

F522 Planetary Science
The physical science study of the solar system.

F590 Astronomy not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Astronomy categories. To be used sparingly.

F600 Geology
The study of the origin, history, structure and composition of the Earth. Encourages understanding of environmental problems and includes techniques on searching for mineral resources and other raw materials.

F610 Applied Geology
Topics in geology of commercial or social importance.

F611 Industrial Geology
The study of geological processes of industrial significance.

F612 Engineering Geology
Geological structures and processes in an engineering context.

F620 Mining Geology
Geological topics related to the mining and minerals industry.

F621 Exploration Geology
Aspects related to the exploration for mineral resources.

F630 Geotechnology
The study of the principles and applications of geotechnical engineering.

F631 Marine Geotechnology
The study of geotechnical processes in marine environments.

F640 Earth Science
The study of the Earth as a unified system; includes Earth resources, surface and crustal processes.

F641 Palaeontology
The study of the fossil record.

F642 Geoscience
The study of the Earth Sciences, including geological chemistry and physics.

F643 Quaternary studies
The study of the rock systems of the most recent geological period.

F650 Geological Oceanography
The study of the sedimentary processes including deposition and dynamics in the oceans.

F660 Geophysics
The study of the physical structure and dynamics of the Earth.
### JACS Subject Coding System

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F661</td>
<td>Exploration Geophysics</td>
<td>Geophysical techniques concerned with the discovery of geological deposits.</td>
</tr>
<tr>
<td>F670</td>
<td>Geochemistry</td>
<td>The study of the chemical processes taking place at or near the Earth’s surface.</td>
</tr>
<tr>
<td>F690</td>
<td>Geology not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Geology categories. To be used sparingly.</td>
</tr>
<tr>
<td>F700</td>
<td>Science of Aquatic and Terrestrial Environments</td>
<td>The study of environments comprising the earth’s surface, oceans, sea-bed and atmosphere; and the interactions between them.</td>
</tr>
<tr>
<td>F710</td>
<td>Marine Sciences</td>
<td>The study of the coastal environment and mariculture.</td>
</tr>
<tr>
<td>F720</td>
<td>Hydrography</td>
<td>The collection and application of data about the sea, including surveying and the study of tides and currents.</td>
</tr>
<tr>
<td>F730</td>
<td>Ocean Sciences</td>
<td>The study of oceans, the seabed and atmosphere. Includes oceanography. May include studies associated with physics, chemistry, geology and biology.</td>
</tr>
<tr>
<td>F750</td>
<td>Environmental Sciences</td>
<td>The study of the terrestrial, aquatic and atmospheric environment and human interaction with it.</td>
</tr>
<tr>
<td>F751</td>
<td>Applied Environmental Sciences</td>
<td>Topics in Environmental Sciences of industrial or commercial importance.</td>
</tr>
<tr>
<td>F752</td>
<td>Hydrology</td>
<td>The study of bodies of water, their distribution and water resources.</td>
</tr>
<tr>
<td>F753</td>
<td>Pollution Control</td>
<td>The study of monitoring with the intention to reduce the emission and distribution of noxious substances in the environment.</td>
</tr>
<tr>
<td>F760</td>
<td>Climatolgy</td>
<td>The study of secular weather conditions and climates.</td>
</tr>
<tr>
<td>F761</td>
<td>Meteorology</td>
<td>The study of atmospheric conditions related to weather conditions and forecasting.</td>
</tr>
<tr>
<td>F770</td>
<td>Soil Science</td>
<td>The study of the properties of soils and the processes involved in their formation and distribution.</td>
</tr>
<tr>
<td>F790</td>
<td>Science of Aquatic and Terrestrial Environments not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Science of Aquatic and Terrestrial Environment categories. To be used sparingly.</td>
</tr>
<tr>
<td>F800</td>
<td>Physical Geographical Sciences</td>
<td>The spatially-related study of natural features of the earth. Includes topographical, physical, biological, environmental and information management concepts.</td>
</tr>
<tr>
<td>F810</td>
<td>Environmental Geography</td>
<td>The investigation of the relationship between natural and human environments.</td>
</tr>
<tr>
<td>F811</td>
<td>Biogeography</td>
<td>The study of the geographical distribution of flora and fauna.</td>
</tr>
<tr>
<td>F840</td>
<td>Physical Geography</td>
<td>The study of the physical processes underlying the features of the Earth's surface.</td>
</tr>
<tr>
<td>F841</td>
<td>Maritime Geography</td>
<td>The geographical study of coastal and marine regions.</td>
</tr>
<tr>
<td>F842</td>
<td>Geomorphology</td>
<td>The study of the processes determining the topography of the Earth's crust.</td>
</tr>
<tr>
<td>F843</td>
<td>Topography</td>
<td>The description of the Earth’s surface features and their mapping and surveying.</td>
</tr>
<tr>
<td>F844</td>
<td>Cartography</td>
<td>The preparation and production of maps and/or charts.</td>
</tr>
</tbody>
</table>
JACS Subject Coding System

F845 Remote Sensing
Topographic and geomatic data surveying carried out over a distance.

F846 Geographical Information Systems
The collection and transmission of geographical data using information technology.

F890 Physical Geographical Sciences not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Physical Geographical Sciences categories. To be used sparingly.

F900 Others in Physical Sciences
Miscellaneous grouping for related subjects which do not fit into the other Physical Sciences categories. To be used sparingly.

F990 Physical Sciences not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Physical Sciences categories. To be used sparingly.

G Mathematical and Computer Sciences

G000 Mathematical and Computer Sciences (Any use of this code will not pass validation).

G010 Mathematical Science
Broadly based programmes in Mathematical Science.

G020 Computer Science
Broadly based programmes in Computer Science.

G100 Mathematics
The rigorous analysis of quantities, magnitudes, forms and their relationships, using symbolic logic and language, both in its own right and as applied to other disciplines.

G110 Pure Mathematics
The rigorous analysis of quantities, magnitudes, forms and their relationships, using symbolic logic and language.

G120 Applied Mathematics
The application of mathematical principles to the solution of functional area problems.

G121 Mechanics (Mathematical)
Branch of applied mathematics concerned with motion and the tendency to motion.

G130 Mathematical Methods
The study of specific techniques for the precise solution of mathematical problems.

G140 Numerical Analysis
The study of the mathematical methods used to obtain approximate (numerical) results to a problem on a digital computer.

G150 Mathematical Modelling
The use of mathematical principles to construct simplified representations and simulations of ‘real-world’ processes, allowing calculations and predictions to be made.

G160 Engineering/Industrial Mathematics
Branch of mathematics concerned with the application of mathematical principles in the areas of engineering and industrial systems/processes.

G190 Mathematics not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Mathematics categories. To be used sparingly.

G200 Operational Research
The development and application of complex mathematical or simulation models to solve problems involving operational systems, where the system concerned is subject to human intervention.

G290 Operational Research not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Operational Research categories. To be used sparingly.

G300 Statistics
The study of the collection and analysis of numerical data.
<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G310</td>
<td>Applied Statistics</td>
<td>The application of statistical techniques to functional areas.</td>
</tr>
<tr>
<td>G311</td>
<td>Medical Statistics</td>
<td>The application of statistical techniques to the collection and analysis of numerical data relating to medicine.</td>
</tr>
<tr>
<td>G320</td>
<td>Probability</td>
<td>The mathematical study of chance.</td>
</tr>
<tr>
<td>G330</td>
<td>Stochastic Processes</td>
<td>The mathematical study of systems and processes involving variables subject to random variations.</td>
</tr>
<tr>
<td>G340</td>
<td>Statistical Modelling</td>
<td>The use of statistical techniques in the modelling and simulation of 'real-world' systems or processes.</td>
</tr>
<tr>
<td>G350</td>
<td>Mathematical Statistics</td>
<td>Concerned with the mathematical theory and proofs forming the basis of probability and inference, and their applications to the collection, analysis and description of data.</td>
</tr>
<tr>
<td>G390</td>
<td>Statistics not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Statistics categories. To be used sparingly.</td>
</tr>
<tr>
<td>G400</td>
<td>Computer Science</td>
<td>The study of the design and application of electronic computer systems, including computer architectures, software and systems design.</td>
</tr>
<tr>
<td>G410</td>
<td>Computer Architectures &amp; Operating Systems</td>
<td>The study of the systemic structure of computer systems and the associated software which facilitates the efficient co-ordination and use of the component units.</td>
</tr>
<tr>
<td>G411</td>
<td>Computer Architectures</td>
<td>The study of the systemic structure of computer systems.</td>
</tr>
<tr>
<td>G412</td>
<td>Operating Systems</td>
<td>The study of software which is designed to facilitate the efficient co-ordination and use of system components.</td>
</tr>
<tr>
<td>G420</td>
<td>Networks and Communications</td>
<td>The study of computer network systems and computer communications techniques/protocols.</td>
</tr>
<tr>
<td>G430</td>
<td>Computational Science Foundations</td>
<td>The study of the fundamental laws or principles underpinning the design, construction and use of computer systems.</td>
</tr>
<tr>
<td>G440</td>
<td>Human-computer Interaction</td>
<td>The study, design and application of principles and techniques aimed at optimising the interaction between computer systems and their human users.</td>
</tr>
<tr>
<td>G450</td>
<td>Multimedia Computing Science</td>
<td>Area of Computer Science concerned with the computer controlled delivery of information in a variety of forms, including text, pictures, video, graphics and animation. Often associated with information presentation on the Internet.</td>
</tr>
<tr>
<td>G490</td>
<td>Computer Science not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Computer Science categories. To be used sparingly.</td>
</tr>
<tr>
<td>G500</td>
<td>Information Systems</td>
<td>The study, design or application of computers systems which capture, process and transmit information.</td>
</tr>
<tr>
<td>G510</td>
<td>Information Modelling</td>
<td>Concerned with the modelling of information flows within an organisation, and how these flows can be optimised and incorporated into the design of a large-scale computer system.</td>
</tr>
<tr>
<td>G520</td>
<td>Systems Design Methodologies</td>
<td>The study of standard methodologies for the design of large-scale computer systems.</td>
</tr>
<tr>
<td>G530</td>
<td>Systems Analysis and Design</td>
<td>The study of the principles and techniques for the design and implementation of large-scale computer systems.</td>
</tr>
<tr>
<td>G540</td>
<td>Databases</td>
<td>The study, design or application of information systems which act as structured repositories for large amounts of information.</td>
</tr>
</tbody>
</table>
JACS Subject Coding System

G550 Systems Auditing
The study and development of techniques for inspecting, correcting and verifying information systems.

G560 Data Management
The management of computer systems which capture, process and transmit data.

G590 Systems Analysis and Design not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Systems Analysis and Design categories. To be used sparingly.

G600 Software Engineering
The study of techniques and principles for the design, construction, testing and maintenance of computer programs to satisfy the requirements of specific operational problems.

G610 Software Design
Concerned with the design of computer instruction sets to satisfy the requirements of specific operational problems.

G620 Programming
Concerned with the conversion of designs into computer instruction sets in order to satisfy the requirements of specific operational problems.

G621 Procedural Programming
Programming using procedural computer languages and environments, eg Pascal, Fortran, Cobol.

G622 Object-Oriented Programming
Programming using object-oriented programming languages and environments.

G623 Declarative Programming
Programming using declarative programming languages, eg Prolog, Miranda.

G690 Software Engineering not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Software Engineering categories. To be used sparingly.

G700 Artificial Intelligence
The study of principles and techniques for the computer-based simulation and modelling of intelligent animal behaviour patterns.

G710 Speech and Natural Language Processing
The study of principles and techniques for the computer-based modelling and simulation of the human use of language.

G720 Knowledge Representation
Concerned with principles and methodologies for the capture, representation, storage and application of human knowledge in a computer system.

G730 Neural Computing
The study of computer-based hardware and software constructs which aim to model and simulate the salient features of animal nervous systems.

G740 Computer Vision
The study and development of digital image perception.

G750 Cognitive Modelling
The study and development of the processes involved in acquiring knowledge.

G760 Machine Learning
The study and development of techniques whereby machines may gain knowledge through experience, deduction or reasoning.

G761 Automated Reasoning
The study and development of techniques whereby machines may draw conclusions from facts and experience.

G790 Artificial Intelligence not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Artificial Intelligence categories. To be used sparingly.

G900 Others in Mathematical and Computer Sciences
(Any use of this code will not pass validation).

G910 Others in Mathematical Sciences
JACS Subject Coding System

Version 2.0

Miscellaneous grouping for related mathematical subjects which do not fit into other Mathematical Sciences categories G1 to G3.

G920 Others in Computer Sciences
Miscellaneous grouping for related computing subjects which do not fit into other Computer Sciences categories G4 to G7.

H Engineering

H100 General Engineering
The study of design, construction, maintenance and development of any device which uses the resources of nature to turn energy into productive and useful work.

H110 Integrated Engineering
The study of different branches of engineering and how they may interrelate.

H120 Safety Engineering
The study of engineering structures and the development and use of materials with particular emphasis on preventing injury or sickness.

H121 Fire Safety Engineering
The study of engineering structures and the development and use of materials with particular emphasis on preventing injury or damage through fire.

H122 Water Quality Control
The study of engineering structures and fluid mechanics with particular emphasis on improving and maintaining water supplies and the disposal of waste water. May include considerations of health, hygiene and recreational use.

H123 Public Health Engineering
The study of engineering principles, design and construction, with particular emphasis on public health and safety.

H130 Computer-Aided Engineering
The study and development of the use of computers with particular application to engineering problems. Includes aspects of software design and programming skills.

H131 Automated Engineering Design
The study and development of the use of computers with particular application to engineering development and design. Includes aspects of software design and programming skills.

H140 Mechanics
The study of the equilibrium of bodies or their motion within a particular frame of reference. May also be called Stress Analysis.

H141 Fluid Mechanics
The study of the mechanical and flow properties of fluids. May also be called Fluid Dynamics, Hydraulics or Hydrodynamics. Involves the study and application of specialist mathematics.

H142 Solid Mechanics
The study of the mechanical and static properties of solids. Involves the study and application of specialist mathematics.

H143 Structural Mechanics
The study of the equilibrium and motion of structures either of themselves or influenced by forces outside them. Involves the study and application of specialist mathematics.

H150 Engineering Design
The study of the principles of engineering as they apply to the development of electronic or manufacturing engineering tools.

H190 General Engineering not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other General Engineering categories. To be used sparingly.

H200 Civil Engineering
The study of the principles of engineering as they apply to the designing and construction of public works, eg buildings, bridges, pipelines etc. Involves the study and application of specialist mathematics.

H210 Structural Engineering
The study of the principles of engineering as they apply to the design and construction of physical shapes and forms. Involves the study and application of specialist mathematics.
H220 Environmental Engineering
The study of the principles of engineering as they apply to the sympathetic use of natural resources.

H221 Energy Resources
The study and principles of engineering as they apply to the development and exploitation of various forms of energy, eg wind, water, solar etc. Involves the study and application of specialist mathematics.

H222 Coastal Decay
The study and principles of engineering as they apply to coastal and off-shore structures and the prevention of damage, decay and erosion to the natural environment. Includes the study and application of specialist mathematics.

H223 Environmental Impact Assessment
The study and principles of engineering as they apply to the assessment and repair of insensitive environmental exploitation or natural upheaval.

H230 Transport Engineering
The study and principles of engineering as they apply to the planning, development and construction of the routes for any form of terrestrial transport.

H231 Permanent Way Engineering
The study and principles of engineering as they apply to the planning, development and construction of the routes for rail transport.

H232 Pavement Engineering
The study and principles of engineering as they apply to the planning, development and construction of the routes for road transport.

H240 Surveying Science
The study and practice of measuring altitudes, angles and distances on the land surface so that they can be accurately plotted on a map. May include the use of satellite information. Includes the setting out on the ground of the positions of proposed structures.

H241 General Practice Surveying
The study and practice of measuring altitudes, angles and distances on the land surface in order to discover the land contours and plot constructions accordingly.

H242 Engineering Surveying
The study and practice of measuring altitudes, angles and distances on the land surface in order to plan sites and constructions. Includes specialist underwater surveying techniques.

H250 Geotechnical Engineering
The study and practice of discovering the formation, arrangement and structure of the rocks of the Earth's crust by means of sonic investigation. Includes the design of earth structures, eg dams and foundations of built structures.

H290 Civil Engineering not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Civil Engineering categories. To be used sparingly.

H300 Mechanical Engineering
The study of the principles of engineering as they apply to the design, development manufacture and operation of machinery.

H310 Dynamics
The study of the forces that change or produce the motion of bodies. May include the study of kinetics. Involves the study and application of specialist mathematics.

H311 Thermodynamics
The study of the interrelationship and interconversion of different forms of energy. Includes the study of the effects of pressure, temperature etc. May also be called Heat Exchange Technology. Involves the study and application of specialist mathematics.

H320 Mechanisms and Machines
The study of the assembly and structure of moving parts arranged to transmit or modify force in order to perform some function.

H321 Turbine Technology
The study of the conversion of the kinetic energy of a moving fluid via a rotating blade into mechanical energy. Involves the study and application of specialist mathematics.

H330 Automotive Engineering
The study of mechanical self propulsion in vehicles.
JACS Subject Coding System

H331 Road Vehicle Engineering
The study of mechanical self propulsion in road vehicles.

H332 Rail Vehicle Engineering
The study of mechanical self propulsion in rail vehicles

H333 Ship Propulsion Engineering
The study of mechanical self propulsion in floating vessels.

H340 Acoustics and Vibration
The study of oscillation and resonance.

H341 Acoustics
The study of sound and sound waves.

H342 Vibration
The study of periodic motion about an equilibrium position.

H350 Offshore Engineering
The study and principles of engineering as they apply to the construction of structures sited in the sea and their interaction with wind and waves. Involves the study and application of specialist mathematics.

H360 Electromechanical Engineering
The study of electrically-operated mechanical devices.

H390 Mechanical Engineering not elsewhere classified
Miscellaneous group for related subjects which do not fit into other Mechanical Engineering categories. To be used sparingly.

H400 Aerospace Engineering
The study of the principles of engineering as they apply to aircraft and spacecraft in the atmosphere and in space. Involves the study and application of specialist mathematics.

H410 Aeronautical Engineering
The study of the principles of engineering as they apply to the design, production and maintenance of aircraft. Involves the study and application of specialist mathematics.

H411 Air-Passenger Transport Engineering
The study of the principles of engineering as they apply to the design, production and maintenance of passenger-carrying aircraft. Involves the study and application of specialist mathematics.

H412 Air-Freight Transport Engineering
The study of the principles of engineering as they apply to the design, production and maintenance of freight-carrying aircraft. Involves the study and application of specialist mathematics.

H413 Air-Combat Engineering
The study of the principles of engineering as they apply to the design, production and maintenance of combat aircraft. Involves the study and application of specialist mathematics.

H420 Astronautical Engineering
The study of the principles of engineering as they apply to spacecraft. Involves the study and application of specialist mathematics.

H430 Avionics
The study of electronics as applied to aeronautics and astronautics. Involves the study and application of specialist mathematics.

H440 Aerodynamics
The study of the flow properties of gases, especially the forces acting on a body passing through air, and the interaction of the body's deformation with the flow. Involves the study and application of specialist mathematics.

H441 Flight Mechanics
The study of natural or constructed bodies in flight; how they are affected and influenced by forces outside them. Involves the study and application of specialist mathematics.

H450 Propulsion Systems
The study of aerospace locomotion and its driving force. Involves the study and application of specialist mathematics.

H460 Aviation studies
The study of the technical aspects of flying and navigation.

H490 Aerospace Engineering not elsewhere classified
JACS Subject Coding System

Version 2.0

Miscellaneous grouping for related subjects which do not fit into other Aerospace Engineering categories. To be used sparingly.

H500 Naval Architecture
The study of the principles of engineering as they apply to ships and their reaction to water and its pressures. Involves the study and application of specialist mathematics.

H510 Shipbuilding
The study of the principles of engineering as they apply to the production and maintenance of ships and boats. Involves the study and application of specialist mathematics.

H511 Surface-Passenger Ship Building
The study of the principles of engineering as they apply to the production and maintenance of passenger-carrying ships which float on or above the surface of the water. Involves the study and application of specialist mathematics.

H512 Surface-Freight Ship Building
The study of the principles of engineering as they apply to the production and maintenance of freight-carrying ships which float on or above the surface of the water. Involves the study and application of specialist mathematics.

H513 Surface-Combat Ship Building
The study of the principles of engineering as they apply to the production and maintenance of combat ships which float on or above the surface of the water. Involves the study and application of specialist mathematics.

H514 Submarine Building
The study of the principles of engineering as they apply to the production and maintenance of ships which float on or under the surface of the water. Involves the study and application of specialist mathematics.

H520 Ship Design
The study of the principles of engineering as they apply to the design of floating vessels. Involves the study and application of specialist mathematics.

H521 Surface-Passenger Ship Design
The study of the principles of engineering as they apply to the design of passenger-carrying ships which float on or above the surface of the water. Involves the study and application of specialist mathematics.

H522 Surface-Freight Ship Design
The study of the principles of engineering as they apply to the design of freight-carrying ships which float on or above the surface of the water. Involves the study and application of specialist mathematics.

H523 Surface-Combat Ship Design
The study of the principles of engineering as they apply to the design of combat ships which float on or above the surface of the water. Involves the study and application of specialist mathematics.

H524 Submarine Design
The study of the principles of engineering as they apply to the design of ships which float on or under the surface of the water. Involves the study and application of specialist mathematics.

H590 Naval Architecture not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Naval Architecture categories. To be used sparingly.

H600 Electronic and Electrical Engineering
The study of the principles of engineering as they apply to the practical uses of electricity. Involves the study of charged particles.

H610 Electronic Engineering
The study of the principles of engineering as they apply to devices whereby electrons are conducted through a semi-conductor, free space or gas. Closely linked with electrical engineering.

H611 Microelectronic Engineering
The study of the principles of engineering as they apply to microcircuits.

H612 Integrated Circuit Design
The study of the most efficient processing of semiconductor material to form integrated circuits.

H620 Electrical Engineering
The study of the principles of engineering as they apply to the practical uses of electrical systems. Involves the study of charged particles. Closely linked with electronic engineering.

H630 Electrical Power
The study of the rates at which electrical energy is fed into or taken from a device or system. Involves the study and application of specialist mathematics.
<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H631</td>
<td>Electrical Power Generation</td>
<td>The study and development of techniques for producing electricity.</td>
</tr>
<tr>
<td>H632</td>
<td>Electrical Power Distribution</td>
<td>The study and development of electromotive forces and techniques for distributing electricity.</td>
</tr>
<tr>
<td>H640</td>
<td>Communications Engineering</td>
<td>The study and principles of engineering as they apply to electronic engineering.</td>
</tr>
<tr>
<td>H641</td>
<td>Telecommunications Engineering</td>
<td>The study of the principles of engineering as they apply to the telephonic or telegraphic communication of audio, video or other information (eg data) by means of radio waves, optical or electrical signals.</td>
</tr>
<tr>
<td>H642</td>
<td>Broadcast Engineering</td>
<td>The study of the principles of engineering as they apply to the equipment required to transmit audio or video information for radio and/or television programmes.</td>
</tr>
<tr>
<td>H643</td>
<td>Satellite Engineering</td>
<td>The study of the principles of engineering as they apply to man-made devices orbiting the earth for communication purposes.</td>
</tr>
<tr>
<td>H644</td>
<td>Microwave Engineering</td>
<td>The study of the principles of engineering as they apply to electromagnetic radiation or very short length radio waves used for transmitting and collecting information.</td>
</tr>
<tr>
<td>H650</td>
<td>Systems Engineering</td>
<td>The study of the principles of engineering as they apply to an assembly of electrical, electronic and mechanical components with interdependent functions.</td>
</tr>
<tr>
<td>H651</td>
<td>Digital Circuit Engineering</td>
<td>The study of the principles of engineering as they apply to discrete values of input and output voltage levels.</td>
</tr>
<tr>
<td>H652</td>
<td>Analogue Circuit Engineering</td>
<td>The study of the principles of engineering as they apply to voltages or currents used to measure or represent quantities.</td>
</tr>
<tr>
<td>H660</td>
<td>Control Systems</td>
<td>The study of the principles of engineering as they apply to electrical and electronic methods of measurement, regulation and operation.</td>
</tr>
<tr>
<td>H661</td>
<td>Instrumentation Control</td>
<td>The study of the principles of engineering as they apply to the electronic manipulation of tools.</td>
</tr>
<tr>
<td>H662</td>
<td>Control by light systems</td>
<td>The study of the principles of engineering as they apply to the manipulation of tools by visible electromagnetic radiation.</td>
</tr>
<tr>
<td>H670</td>
<td>Robotics and Cybernetics</td>
<td>The study of the relationship between biological systems and man-made systems designed and created to mimic them.</td>
</tr>
<tr>
<td>H671</td>
<td>Robotics</td>
<td>The study of designing, building and use of robots.</td>
</tr>
<tr>
<td>H672</td>
<td>Cybernetics</td>
<td>The study of control systems in electronic and mechanical devices and the extent to which comparisons can be made between man-made and biological systems.</td>
</tr>
<tr>
<td>H673</td>
<td>Bioengineering</td>
<td>The study of the principles of engineering as they apply to the design and manufacture of aids, such as artificial limbs, to rectify defective body functions.</td>
</tr>
<tr>
<td>H674</td>
<td>Virtual Reality Engineering</td>
<td>The study of the principles of engineering as they apply to computer-generated environments.</td>
</tr>
<tr>
<td>H680</td>
<td>Optoelectronic Engineering</td>
<td>The study of the principles of engineering as they apply to devices in which an optical input produces electrical output or in which electrical stimulation produces visible, ultraviolet or infrared output.</td>
</tr>
<tr>
<td>H690</td>
<td>Electronic and Electrical Engineering not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into other Electronic and Electrical Engineering categories. To be used sparingly.</td>
</tr>
<tr>
<td>H700</td>
<td>Production and Manufacturing Engineering</td>
<td>The study of the principles of engineering as they apply to the management and control of factory and workshop techniques and the industrial developments in technology and materials.</td>
</tr>
</tbody>
</table>
JACS Subject Coding System

Version 2.0

H710 Manufacturing Systems Engineering
The study of the principles of engineering as they apply to electrical and electronic methods of manufacture.

H711 Manufacturing Systems Design
The study of the principles of engineering as they apply to the design of new and/or replacement production-line technology.

H712 Manufacturing Installation Systems
The study of the principles of engineering as they apply to the design and installation of production-line technology.

H713 Production Processes
The study of the principles of engineering as they apply to efficient application of production-line technology.

H714 Manufacturing Systems Maintenance
The study of the principles of engineering as they apply to the maintenance of production-line technology.

H720 Quality Assurance Engineering
The study of the principles of engineering as they apply to the creation of models from which conclusions about real situations can be researched.

H730 Mechatronics
The study of electronics as applied to the development of symbiotic software/hardware technology.

H790 Production and Manufacturing Engineering not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Production and Manufacturing Engineering categories. To be used sparingly.

H800 Chemical, Process and Energy Engineering
The study of the principles of engineering as they apply to the industrial use and exploitation of chemical and atomic energy.

H810 Chemical Engineering
The study of the principles of engineering as they apply to industrial processing to produce food, pharmaceuticals, plastics, petroleum products etc, and alternatives to them.

H811 Biochemical Engineering
The study of the principles of engineering as they apply to industrial production of organic chemical compounds such as proteins and enzymes.

H812 Pharmaceutical Engineering
The study of the principles of engineering as they apply to industrial preparation of drugs.

H820 Atomic Engineering
The study of the principles of engineering as they apply to industrial use and development of atoms and atomic energy.

H821 Nuclear Engineering
The study of the principles of engineering as they apply to industrial use and development of nuclear energy.

H830 Chemical Process Engineering
The study of the principles of engineering as they apply to industrial processes, particularly continuous ones, such as the production of petrochemicals.

H831 Bioprocess Engineering
The study of the principles of engineering as they apply to biological processes in industry.

H840 Gas Engineering
The study of the principles of engineering as they apply to gases and their production and use.

H850 Petroleum Engineering
The study of the principles of engineering as they apply to the extraction, processing and refining of petroleum.

H890 Chemical, Process and Energy Engineering not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Chemical, Process and Energy Engineering categories. To be used sparingly.

H900 Others in Engineering
Miscellaneous grouping for related subjects which do not fit into other Engineering categories. To be used sparingly.

H990 Engineering not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Engineering categories. To be used sparingly.
J

Technologies

J100  Minerals Technology
The study of the production of minerals and metals and their separation from other elements contained within mineral deposits.

J110  Mining
The study of the extraction and processing of minerals and metals.

J120  Quarrying
The study of the extraction and processing of stone.

J130  Rock Mechanics
The study of stress, elasticity, failure criteria and plasticity of the upper layers of the Earth's crust.

J140  Minerals Processing
The processing of minerals and metals from their raw or ore states.

J150  Minerals Surveying
The analysis of the Earth's upper crust for the purposes of identifying minerals and metals.

J160  Petrochemical Technology
The extraction and processing of petrochemicals.

J190  Minerals Technology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Minerals Technology categories. To be used sparingly.

J200  Metallurgy
The study of the principles of minerals technology as they apply to the structure and properties of metals, their extraction, refining, alloys and manufacture. Involves practical element.

J210  Applied Metallurgy
Topics in metallurgy of commercial or social importance.

J220  Metallic Fabrication
The processes involved in the production and manufacture of metallic objects and structures.

J221  Pattern Making
The precision cutting of metals for use in the production of objects and structures.

J230  Corrosion Technology
The study and control of the corrosion of metals.

J290  Metallurgy not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Metallurgy categories. To be used sparingly.

J300  Ceramics and Glass
The study of the principles of minerals technology as they apply to clay and clay-based products. Stresses the use of the raw material rather than how it is extracted.

J310  Ceramics
The study of the principles of minerals technology as they apply to ceramics. Stresses the use of the raw material rather than how it is extracted.

J320  Glass Technology
The study of the principles of minerals technology as they apply to glass and glass derivatives. Stresses the use of the raw material rather than how it is extracted.

J390  Ceramics and Glass not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Ceramics and Glass categories. To be used sparingly.

J400  Polymers and Textiles
The study of molecular compounds or filaments. Stresses the use of the raw material rather than how it is extracted.

J410  Polymers Technology
The use and development of polymers.
JACS Subject Coding System

J411 Plastics
The use and development of plastics.

J420 Textiles Technology
The use and development of textiles.

J421 Textile Chemistry
The development of textiles from chemical compounds.

J422 Dying and Colouring of Textiles
The study of dying and colouring agents and their application to textiles.

J430 Leather Technology
The study of the processing and use of leather. Includes tanning and methods of preserving leather.

J431 Tanning
The conversion of raw hide into leather.

J440 Clothing Production
The study of the methods and processes used in the production of clothing.

J441 Machine Knitting
The study of the programming and operation of knitting machines.

J442 Commercial Tailoring
The making and adaptation of clothing to specific measurements.

J443 Pattern Cutting
The design and cutting of patterns from cloth.

J444 Millinery
The design and production of hats.

J445 Footwear production
The design and production of footwear

J490 Polymers and Textiles not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Polymers and Textiles categories. To be used sparingly.

J500 Materials Technology not otherwise specified
Grouping for any materials or materials-related technology which does not fit into the other Materials Technology categories.

J510 Materials Technology
The processing, storage and production of materials.

J511 Engineering Materials
The processing, storage and production of materials used in engineering.

J512 Paper Technology
The processing, storage and production of paper and paper-based materials.

J513 Furniture Technology
The processing, storage and production of materials used in furniture making.

J520 Printing
The study of the processes involved in printing.

J521 Offset Lithography
The study of the processes involved in offset lithographic printing.

J522 Photo-Lithography
The study of the processes involved in photo-lithography.

J523 Reprographic Techniques
The study of the processes involved in reprographics.

J524 Screen Process Printing
The study of the processes involved in screen process printing.

J530 Gemmology
The processing, cutting and polishing of precious stones.
JACS Subject Coding System

J590  Materials Technology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other, specified, Materials Technology
categories. To be used sparingly.

J600  Maritime Technology
The study of practical or mechanical sciences connected with the sea, involving marine technology, as it
applies to industry or commerce.

J610  Marine Technology
The processes and systems used in boats, ships and other marine craft.

J611  Marine Navigation
The study of the specific processes involved in marine navigation.

J612  Marine Radar
The use of radar in boats, ships and other marine craft.

J613  Marine Radio
The use of radio and telecommunications systems in boats, ships and other marine craft.

J614  Marine Plumbing
The use of plumbing systems in boats, ships and other marine craft.

J690  Maritime Technology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Maritime Technology categories. To
be used sparingly.

J700  Biotechnology
The use of biological processes or organisms for the production of materials and services. Biotechnology includes the use of
techniques for the improvement of the characteristics of economically important plants and animals and for the development of micro-
organisms to act on the environment.

J710  Plant Biotechnology (crops, trees, shrubs etc.)
Involves the molecular and microbial manipulation of plants.

J720  Animal Biotechnology
Involves the molecular and microbial manipulation of animals.

J730  Environmental Biotechnology
The integration of sciences and engineering in order to utilise the biochemical potential of microorganisms, plants and parts thereof for
the restoration and preservation of the environment and for the sustainable use of resources.

J740  Industrial Biotechnology
The use of plants, microorganisms and their constituent molecular and biochemical components for use in potentially large-scale
applications in industry.

J750  Medical Biotechnology
Biotechnology as applied to the development of human/veterinary diagnostic, therapeutic systems. Not Medical Technology.

J790  Biotechnology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Biotechnology categories. To
be used sparingly.

J900  Others in Technology
Miscellaneous grouping for related subjects which do not fit into the other Technologies categories. To be used sparingly.

J910  Energy Technologies
Technologies involved in the production, transmission and storage of energy.

J920  Ergonomics
The study of the efficiency and effectiveness of the interface between people and machines.

J930  Audio Technology
The study of the systems and processes used in the manipulation and amplification of sound. Includes the
recording of sound and/or music.

J931  Music Recording
The study of training in the techniques required to obtain accurate and lifelike recordings of musical performances.

J940  Machinery Maintenance
The techniques and skills involved in the routine maintenance of machines.

J941  Office Machinery Maintenance
JACS Subject Coding System

The techniques and skills involved in the routine maintenance of office machinery.

J942 Industrial Machinery Maintenance
The techniques and skills involved in the routine maintenance of industrial machinery.

J950 Musical Instrument Technology
The study of the systems and processes used in the manufacture of musical instruments.

J960 Transport Logistics
The study of the optimal methods of mass distribution services.

J990 Technologies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Technology categories. To be used sparingly.

K

Architecture, Building and Planning

K100 Architecture
The study of the design, construction and erection of structures. Combines design creativity with technical competence.

K110 Architectural Design Theory
Design of buildings for human activity, taking into account both internal and external environmental factors.

K120 Interior Architecture
The study of enclosed spaces; design, implementation and materials.

K130 Architectural Technology
The theory and practice of advanced techniques and new materials in architectural design and construction.

K190 Architecture not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Architecture categories. To be used sparingly.

K200 Building
The study of building materials and techniques. Includes building and environment law and economics, architectural engineering and quantity surveying.

K210 Building Technology
The understanding of building design and its relationship with production.

K220 Construction Management
The implementation of construction projects to the client's specification from inception to completion.

K230 Building Surveying
The analysis of a building's performance from design and construction, through to maintenance and repair.

K240 Quantity Surveying
The financial management of project design and construction, whether for client or contractor.

K250 Conservation of Buildings
The repair and restoration of old or damaged buildings.

K290 Building not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Building categories. To be used sparingly.

K300 Landscape Design
The study of the design, construction and management of land-based scenery. Includes buildings within the landscape and the habitat surrounding them.

K310 Landscape Architecture
The scenic design of the natural environment and the layout of gardens and open spaces.

K320 Landscape Studies
The planning and management of the built and natural environment as landscape.

K390 Landscape Design not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Landscape Design categories. To be used sparingly.

K400 Planning (Urban, Rural and Regional)
JACS Subject Coding System

The study of the interaction between town and country land use. Includes the use of land for building.

K410 Regional Planning
The preparation of strategic plans for the development of a region.

K420 Urban and Rural Planning
The planning of the infrastructure and development of settlements, including new towns and the management of change.

K421 Urban Planning
The planning of the infrastructure, development and management of settlement in towns.

K422 Rural Planning
The planning of the infrastructure, development and management of settlement in the country.

K430 Planning studies
Reconciliation of the dynamics of the economic, environmental and social effects in the planning context.

K440 Urban Studies
The interaction of the planning process and management policies on the built environment.

K450 Housing
The development and management of housing projects in the private and social sectors and in land use planning.

K460 Transport Planning
The development and management of transportation systems.

K490 Planning (Urban, Rural and Regional) not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Planning (Urban, Rural and Regional) categories. To be used sparingly.

K900 Others in Architecture, Building and Planning
Miscellaneous grouping for related subjects which do not fit into the other Architecture, Building and Planning categories. To be used sparingly.

K990 Architecture, Building and Planning not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Architecture, Building and Planning categories. To be used sparingly.

L Social studies

L100 Economics
The systematic study of the production, conservation and allocation of resources in conditions of scarcity, together with the organisational frameworks related to these processes.

L110 Applied Economics
The study of the application of economic principles and analytical techniques to the study of particular industries, activities or the exploitation of particular resources.

L111 Financial Economics
The study of the application of economic principles and analytical techniques in the area of finance.

L112 Agricultural Economics
The study of the application of economic principles and analytical techniques in the area of agriculture.

L113 Economic Policy
The study of the application of economic principles and analytical techniques in the area of government policy.

L120 Microeconomics
The study of the branch of economics concerned with particular commodities, firms or individuals and the economic relationships between them.

L130 Macroeconomics
The study of the economic environment within which firms and individuals may operate.

L140 Econometrics
The study of the systematic mathematical and statistical analysis of economic phenomena and problems.

L150 Political Economics
The study of the branch of economics which deals with the economic implications of political policy.
**JACS Subject Coding System**

**L160 International Economics**  
The systematic study and analysis of international commercial behaviour and trade policy.

**L170 Economic Systems**  
The study of economic systems based upon particular doctrines.

**L171 Capitalism**  
The study of the economic system which is based upon the private ownership of the means of production, distribution and exchange.

**L172 Monetarism**  
The study of the system based upon the theory that an economy can be regulated by means of central control of the money supply.

**L173 Keynesianism**  
The system based upon the idea that governments can manage economies by influencing the level of aggregate demand.

**L174 Collectivism**  
The study of the system based upon the principle of ownership of the means of production, distribution and exchange by the state, or the people.

**L190 Economics not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the other Economics categories. To be used sparingly.

**L200 Politics**  
The study of activities related to the institution of the state and the machinery of government or the method through which social conflict is expressed and attempts to resolve conflict are made.

**L210 Political Theories**  
Collections of ideas that seek to explain the organisation of society and/or resolve conflicts within society.

**L211 Liberalism**  
Political doctrine that emphasises the freedom of the individual and individual rights while minimising the need for external constraints.

**L212 Conservatism**  
Political doctrine that emphasises the need for ordered control of society through the organisation of the state and the upholding of existing traditions and values.

**L213 Socialism**  
Political doctrine that espouses social organisation of society based on co-operation, collectivism, egalitarianism and the communal ownership of the means of production.

**L214 Nationalism**  
Political doctrine that promotes the self-determination of the nation.

**L215 Fascism**  
Political doctrine that emphasises the dominance and the hierarchical authoritarian organisation of the state.

**L216 Feminism**  
Political doctrine that highlights and attempts to reverse any inequalities in society based on gender differences.

**L217 Environmentalism**  
Political doctrine that believes that human life can only be understood in the context of the natural world and that progress lies in the preservation of the natural environment.

**L218 Anarchism**  
Political doctrine that advocates the abolition of central authority so that a more natural social order can develop.

**L220 Political Systems**  
The study of the organisation and functions of various methods of government.

**L221 Autocracy**  
The system of government that embodies the rule of an individual with unrestricted authority.

**L222 Democracy**  
The system of government based on the consent of the governed.

**L223 Plutocracy**  
The system of government that embodies the rule of the wealthy.

**L224 Oligarchy**
### JACS Subject Coding System

The system of government that embodies the rule of the few over the many.

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L230</td>
<td><strong>UK Government/Parliamentary Studies</strong> The examination of the structure and function of the UK system of government.</td>
</tr>
<tr>
<td>L231</td>
<td><strong>Public Administration</strong> The study of the functions and structure of those bodies concerned with the administrative duties of government.</td>
</tr>
<tr>
<td>L232</td>
<td><strong>UK Constitutional studies</strong> The examination of the nature, content, implications and role of the UK constitution in the UK system of government.</td>
</tr>
<tr>
<td>L240</td>
<td><strong>International Politics</strong> The study of political structures, functions and theories among the international community.</td>
</tr>
<tr>
<td>L241</td>
<td><strong>European Union Politics</strong> The study of the structures, functions and theories of politics within the European Union.</td>
</tr>
<tr>
<td>L242</td>
<td><strong>Commonwealth Politics</strong> The study of the structures, functions and theories of politics within the Commonwealth.</td>
</tr>
<tr>
<td>L243</td>
<td><strong>Politics of a specific country/region</strong> The study of the structures, functions and theories of politics within a specific country or region.</td>
</tr>
<tr>
<td>L244</td>
<td><strong>International Constitutional studies</strong> The examination of the nature, content, implications and role of constitutions in international systems of government.</td>
</tr>
<tr>
<td>L250</td>
<td><strong>International Relations</strong> The study of the interaction between members of the international community.</td>
</tr>
<tr>
<td>L251</td>
<td><strong>Strategic Studies</strong> The study of strategies designed to promote and defend the autonomy and interests of a country within the international community.</td>
</tr>
<tr>
<td>L252</td>
<td><strong>War &amp; Peace Studies</strong> The examination of the procedures and processes that contribute to war or peace.</td>
</tr>
<tr>
<td>L260</td>
<td><strong>Comparative Politics</strong> The comparative study of differing political structures, political functions and political theories.</td>
</tr>
<tr>
<td>L290</td>
<td><strong>Politics not elsewhere classified</strong> Miscellaneous grouping for related subjects which do not fit into the other Politics categories. To be used sparingly.</td>
</tr>
<tr>
<td>L300</td>
<td><strong>Sociology</strong> The systematic study of human social institutions and social relationships.</td>
</tr>
<tr>
<td>L310</td>
<td><strong>Applied Sociology</strong> The study of the application of sociological principles and techniques to particular social institutions or types of social relationship.</td>
</tr>
<tr>
<td>L320</td>
<td><strong>Gender Studies</strong> The study of the sociological influence of gender.</td>
</tr>
<tr>
<td>L321</td>
<td><strong>Women’s Studies</strong> The study of the role and influence of women in society.</td>
</tr>
<tr>
<td>L322</td>
<td><strong>Men’s Studies</strong> The study of the role and influence of men in society.</td>
</tr>
<tr>
<td>L330</td>
<td><strong>Ethnic Studies</strong> The study of the sociological influence of ethnicity.</td>
</tr>
<tr>
<td>L340</td>
<td><strong>Disability in Society</strong> The study of the sociological influence of disability.</td>
</tr>
<tr>
<td>L350</td>
<td><strong>Religion in Society</strong> The study of the sociological influence of religion.</td>
</tr>
<tr>
<td>L360</td>
<td><strong>Socio-economics</strong> The study of the interrelationship between sociological and economic factors.</td>
</tr>
<tr>
<td>L370</td>
<td><strong>Social Theory</strong> The study of the concept of social behaviour.</td>
</tr>
</tbody>
</table>
JACS Subject Coding System

L371 Social Hierarchy
The study of social stratification.

L380 Political Sociology
The study of the sociological dimensions of politics.

L390 Sociology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Sociology categories. To be used sparingly.

L391 Sociology of Science and Technology
The study of the influence of new scientific and technological developments on society.

L400 Social Policy
The study of the policies of institutions which are designed to modify the balance of sociological factors.

L410 UK Social Policy
The study of the policies of UK institutions which are designed to modify the balance of sociological factors.

L420 International Social Policy
The study of the policies of international institutions which are designed to modify the balance of sociological factors.

L430 Public Policy
The study of policies implemented by local and central governments to influence sociological factors.

L431 Health Policy
The study of policies implemented by local and central governments to influence the public health of societies.

L432 Welfare Policy
The study of policies implemented by local and central governments to provide support for vulnerable and under-privileged members of society.

L433 Education Policy
The study of policies implemented by local and central governments to provide for the educational needs of society.

L434 Transport Policy
The study of policies implemented by local and central governments to provide for the transportation needs of society.

L435 Security Policy
The study of policies implemented by local and central governments to uphold and defend the structure and authority of the state.

L490 Social Policy not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Social Policy categories. To be used sparingly.

L500 Social Work
The study of the organised means of providing basic support services for vulnerable/under-privileged individuals and/or groups.

L510 Health & Welfare
The study of Social Work services aimed at support of the health and welfare of vulnerable/under-privileged individuals and/or groups.

L520 Child Care
The study of Social Work services aimed at support of vulnerable/under-privileged children in society.

L530 Youth Work
The study of Social Work services aimed at support of vulnerable/under-privileged youths in society.

L540 Community Work
The study of Social Work services aimed at support of vulnerable/under-privileged people within particular communities in society.

L550 Careers Guidance
The study of the provision of support services aimed at helping people to make informed and rational career decisions.

L560 Probation/After Care
The study of the provision of services aimed at supervising criminal offenders and supporting their rehabilitation into society following punishment.

L590 Social Work not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Social Work categories. To be used sparingly.
JACS Subject Coding System

L600  Anthropology
The study of human beings, their antecedents and related primates, and their cultural behaviour and institutions, in comparative perspective.

L610  Social and Cultural Anthropology
The branch of Anthropology that deals with social phenomena such as kinship systems or beliefs.

L620  Physical and Biological Anthropology
The branch of Anthropology that deals with physical and biological factors in societies.

L690  Anthropology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Anthropology categories. To be used sparingly.

L700  Human and Social Geography
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life.

L710  Human and Social Geography by area
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in a particular area.

L711  Human and Social Geography of Europe
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in the European continent.

L712  Human and Social Geography of Asia
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in the Asian continent.

L713  Human and Social Geography of Africa
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in the African continent.

L714  Human and Social Geography of Australasia
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in the Australasian continent.

L715  Human and Social Geography of the Americas
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in the American continent.

L716  Human and Social Geography of Arctic/Antarctic
The systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life in the Arctic and Antarctic continents.

L720  Human and Social Geography by topic
The study of particular topics within Human and Social Geography.

L721  Economic Geography
The study of the relationship between economic factors and the distribution and interaction of people with the natural environment.

L722  Urban Geography
The study of the relationship between people and the environment in towns and cities.

L723  Political Geography
The study of the influence of political factors in the distribution of populations and their effect on the environment.

L724  Transport Geography
The study of the influence of travel and transport on populations and the environment.

L725  Historical Geography
The study of earlier and continuing topographical, topological and social developments and their influence on populations and the environment.

L726  Cultural Geography
The study of the influence of beliefs and value systems on populations and the environment.

L727  Agricultural Geography
The study of agricultural influences on populations and the environment.

L790  Human and Social Geography not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Human and Social Geography
JACS Subject Coding System

L900  Others in Social Studies
Miscellaneous grouping for related subjects which do not fit into the other Social studies categories. To be used sparingly.

L990 Social studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Social studies categories. To be used sparingly.

M  Law

M100  Law By Area
The study of the law as defined in particular geographic regions.

M110  UK Legal Systems
The study of the law of the United Kingdom.

M111  English Law

M112  Welsh Law
The study of the law of Wales.

M113  Northern Irish Law
The study of the law of Northern Ireland.

M114  Scottish Law
The study of the law of Scotland.

M120  European Union Law
The study of European law.

M130  Public International Law
The study of the law governing countries beyond the boundaries of the European Union.

M140  Comparative Law
The study of different legal structures and systems.

M190 Law by Area not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Law by Area categories. To be used sparingly.

M200  Law by Topic
The study of particular aspects of law.

M210  Public Law
The study of the definition and application of public law.

M211  Criminal Law
The study of the definition and application of criminal law.

M220  Private Law
The study of the definition and application of private law.

M221  Business and Commercial Law
The study of the definition and application of business and commercial law.

M222  Contract Law
The study of the law of contracts.

M223  Property Law
The study of the law of property.

M224  Torts
The study of civil wrongs and injuries.

M240  Jurisprudence
The science or philosophy of law.

M250  Legal Practice
The study of the duties and requirements of legal representation.
### JACS Subject Coding System

**M260 Medical Law**  
The study of the law relating to the practice of medicine.

**M290 Law by Topic not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the other Law by Topic categories. To be used sparingly.

**M900 Others in Law**  
Miscellaneous grouping for related subjects which do not fit into the other Law categories. To be used sparingly.

**M990 Law not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the Others in Law categories. To be used sparingly.

### N Business and Administrative studies

**N100 Business Studies**  
The study of organisations and the environment in which they operate.

**N110 European Business Studies**  
The study of organisations and their operations within Europe.

**N120 International Business Studies**  
The study of organisations and their operations throughout the world.

**N190 Business studies not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the other Business studies categories. To be used sparingly.

**N200 Management Studies**  
The study of managing organisations.

**N210 Management Techniques**  
The specific techniques for managing an organisation.

**N211 Strategic Management**  
The techniques involved in the formation and implementation of a strategy within an organisation.

**N212 Creative Management**  
Techniques for creative problem solving and the management of creativity in others.

**N213 Project Management**  
The techniques specific to the planning, managing and monitoring of projects.

**N214 Change Management**  
The specific techniques involved in the planning and management of change within an organisation.

**N215 Organisational Development**  
The techniques involved in the development of an organisation’s physical and human resources, structure and culture.

**N220 Institutional Management**  
The study of the specific techniques required for the management of specific types of institutions.

**N223 Domestic Management**  
The specific management techniques involved in the management of homes for the elderly or infirm, childrens’ homes, and other care homes.

**N224 Management and Organisation of Education**  
The study of the personnel and administration necessary for the efficient organisation of an education establishment. May include investigation of disparate subjects such as office skills, book-keeping, interpersonal skills, child welfare etc.

**N230 Land and Property Management**  
The techniques involved in the management of land, buildings and similar physical resources.

**N231 Land Management**  
The techniques involved in the management of land.

**N232 Property Management**  
The techniques involved in the management of buildings and other structures.
<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N234</td>
<td>Property Valuation and Auctioneering</td>
<td>The specific techniques involved in the valuation and auctioneering of property.</td>
</tr>
<tr>
<td>N240</td>
<td>Retail Management</td>
<td>The specific techniques involved in the management of retail outlets.</td>
</tr>
<tr>
<td>N290</td>
<td>Management studies not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Management studies categories. To be used sparingly.</td>
</tr>
<tr>
<td>N300</td>
<td>Finance</td>
<td>The study of financial systems, regulations and reporting.</td>
</tr>
<tr>
<td>N310</td>
<td>Banking</td>
<td>The study of the banking industry.</td>
</tr>
<tr>
<td>N320</td>
<td>Investment and Insurance</td>
<td>The study of the investment and insurance industries and the techniques used therein.</td>
</tr>
<tr>
<td>N321</td>
<td>Investment</td>
<td>The study of the investment industry and the techniques used therein.</td>
</tr>
<tr>
<td>N322</td>
<td>Insurance</td>
<td>The study of the insurance industry and the techniques used therein.</td>
</tr>
<tr>
<td>N323</td>
<td>Actuarial Science</td>
<td>The application of statistical concepts within the financial industry.</td>
</tr>
<tr>
<td>N330</td>
<td>Taxation</td>
<td>The study of the rules and operations of taxation systems.</td>
</tr>
<tr>
<td>N340</td>
<td>Financial Management</td>
<td>The study of the management of money, capital and credit.</td>
</tr>
<tr>
<td>N341</td>
<td>Financial Risk</td>
<td>The study of the risks involved in the handling of money, capital and credit.</td>
</tr>
<tr>
<td>N390</td>
<td>Finance not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Finance categories. To be used sparingly.</td>
</tr>
<tr>
<td>N400</td>
<td>Accounting</td>
<td>The study of the rules, standards and methods of financial accounting within organisations.</td>
</tr>
<tr>
<td>N410</td>
<td>Accountancy</td>
<td>The application of the rules, standards and methods of financial accounting within organisations.</td>
</tr>
<tr>
<td>N411</td>
<td>Cost and Management Accountancy</td>
<td>The application cost and management accounting techniques within organisations.</td>
</tr>
<tr>
<td>N412</td>
<td>Public Accountancy</td>
<td>The application of accounting techniques that are specific to public sector organisations.</td>
</tr>
<tr>
<td>N413</td>
<td>Book-keeping</td>
<td>The techniques involved in recording financial information within organisations.</td>
</tr>
<tr>
<td>N420</td>
<td>Accounting Theory</td>
<td>The study of the theoretical basis of accounting practice.</td>
</tr>
<tr>
<td>N421</td>
<td>Auditing of Accounts</td>
<td>The specific techniques involved in auditing financial accounts.</td>
</tr>
<tr>
<td>N422</td>
<td>Financial Reporting</td>
<td>The study of specific techniques involved in explaining and disclosing transactions involving money, capital and credit.</td>
</tr>
<tr>
<td>N490</td>
<td>Accounting not elsewhere classified</td>
<td>Miscellaneous grouping for related subjects which do not fit into the other Accounting categories. To be used sparingly.</td>
</tr>
<tr>
<td>N500</td>
<td>Marketing</td>
<td>The techniques involved in the management of an organisation’s relationship with its customers and the world at large.</td>
</tr>
<tr>
<td>N510</td>
<td>Market Research</td>
<td>The specific techniques involved in the identification, definition and research of markets for an organisation’s</td>
</tr>
</tbody>
</table>
products or services.

N520 Sales Management
The specific techniques involved in the management of a sales function within an organisation.

N530 Distribution
The techniques involved in delivering a product or service to a customer or end user.

N550 International Marketing
The specific techniques involved in marketing goods or services to other countries or cultures.

N560 Promotion and Advertising
The techniques involved in the promotion and advertising of an organisation or an organisation's products.

N561 Advertising
The study of promotional displays, whether presented orally or visually, in order to sell items and services or to publicise events. Concentrates on business, management and financial aspects and not on the production of the artwork and ideas themselves.

N562 Corporate Image
The study of the way an organisation is perceived by its members and the public. Includes the impact of promotional displays in order subliminally to recall a particular company or product.

N563 Sponsorship
The study of the provision of funds for an activity or charity in order to gain publicity.

N590 Marketing not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Marketing categories. To be used sparingly.

N600 Human Resource Management
The specific techniques involved in the management and development of an organisation's human resources.

N611 Industrial Relations
The specific techniques involved in the management of people in a situation involving trade unions or similar staff organisations.

N612 Staff Development
The specific techniques involved in the development of an organisation's human resources.

N613 Training Methods
The study of specific techniques involved in teaching within a business environment.

N614 Recruitment Methods
The study of specific techniques involved in recruitment.

N620 Health and Safety Issues
The study of issues relating to health and safety in the workplace.

N690 Human Resources Management not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Human Resources Management categories. To be used sparingly.

N700 Office Skills
The generic skills involved in organisational administration.

N710 Office Administration
The skills involved in office administration and management.

N720 Secretarial and Typing skills
Generic secretarial skills.

N721 Audio Typing
The typing of documents from a spoken source.

N722 Shorthand and Shorthand Transcription
Study of shorthand writing and transcription back into normal English.

N790 Office skills not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Office skills categories. To be used sparingly.

N800 Hospitality, Leisure, Tourism and Transport
The study of travel, event management, tourism, transport, hospitality, recreation, sport and leisure.
JACS Subject Coding System

N810 Travel Management
The specific study of the travel industry, its structure, regulation and distribution methods.

N820 Event Management
The study of managing one-off events such as conferences, shows and visits.

N830 Tourism
The study of UK and international tourism

N831 Tourism Studies
The study of the impact and development of tourism

N832 Tourism Management
The study of the management of tourism

N850 Transport Studies
The study of the organisation and management of transport systems.

N851 Land Travel
The study of the organisation and management of land-based transport systems. Includes transport by rivers, lakes and canals.

N852 Sea Travel
The study of the organisation and management of salt-water transport systems.

N853 Air Travel
The study of the organisation and management of air transport systems.

N860 Hospitality
The study of the provision of food, drink and accommodation in a service context. Includes event management.

N861 Hospitality Studies
The study of the nature and provision of hospitality.

N862 Hospitality Management
The study of the hospitality industry and its management.

N870 Recreation, Sport and Leisure Studies
The study of the nature, provision and impact of recreation, leisure and sport, and their management and development.

N890 Hospitality, Leisure, Tourism, and Transport not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Hospitality, Leisure, Tourism, and Transport categories. To be used sparingly.

N900 Others in Business and Administrative Studies
Miscellaneous grouping for related subjects which do not fit into the other Business and Administrative studies categories. To be used sparingly.

N990 Business and Administrative studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Business and Administrative categories. To be used sparingly.

P Mass Communications and Documentation

P100 Information Services
The study of the administration of information resources and services. Includes the collection, sorting and ordering of data and information. Encompasses the cataloguing of sources and the arrangement of archives. May include care, management and organisation of exhibits.

P110 Information Management
The study of the specification, use and availability of information services.

P120 Librarianship
The training of professional library staff in the administration of library resources and services.

P121 Library Studies
The study of the professional administration of library resources and services. Includes the collecting and cataloguing of information and archives.

P130 Curatorial Studies
The training of professional museum staff in the administration of museum resources and services.
**JACS Subject Coding System**

**P131 Museum Studies**
The study of the professional administration of museum resources and services. May include the care, management and organisation of exhibits.

**P132 Archive Studies**
The study of the professional administration of archive resources and services. Includes the collecting and cataloguing of information.

**P190 Information Services not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Information Services categories. To be used sparingly.

**P200 Publicity Studies**
The study of the transmission of information and/or knowledge. Includes study of the techniques of attracting attention. May include media practices and production, cultural differences and communication on an individual, group or national basis.

**P210 Public Relations**
The study of creating, promoting and maintaining a favourable image among the public towards an individual or organisation.

**P290 Publicity studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Publicity studies categories. To be used sparingly.

**P300 Media Studies**
The study of communication between people through broadcasting, cinema, the press and by electronic means. May involve the study of the media industry, technical innovations and the role of audiences.

**P301 Television Studies**
The study of communication between people through television. May involve study of the television industry, technical innovations and the role of audiences. Concentrates on business, management and financial aspects and not on the production of the artwork and ideas themselves.

**P302 Radio Studies**
The study of communication between people through radio. May involve study of the radio industry, technical innovations and the role of audiences. Concentrates on business, management and financial aspects and not on the production of the artwork and ideas themselves.

**P303 Film Studies**
The study of communication between people through film. May involve study of the film industry, technical innovations and the role of audiences. Concentrates on business, management and financial aspects and not on the production of the artwork and ideas themselves.

**P304 Electronic Media Studies**
The study of the communication of people through electronic media. May involve study of the internet, world wide web, technical innovations and the role of audiences. Concentrates on business, management and financial aspects and not on the equipment and technology.

**P305 Paper-based Media studies**
The study of the communication between people through paper-based media. May involve the study of books, newspapers and magazines, technical development and the role of audiences. Concentrates on business, management and financial aspects and not on the printing and technical expertise.

**P310 Media Production**
The study of the organisation and presentation of media events.

**P311 Television Production**
The study of the organisation and presentation of events on television.

**P312 Radio Production**
The study of the organisation and presentation of events on radio.

**P313 Film Production**
The study of the organisation and presentation of events on film.

**P390 Media studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Media studies categories. To be used sparingly.

**P400 Publishing**
The study of the production, distribution and sale of information made available by printed, electronic or other means.

**P410 Electronic Publishing**
The study of the production, distribution and sale of information by electronic means.
JACS Subject Coding System

P411 Publishing on Audio/Video Tape
The study of the production, distribution and sale of information on audio/video tape.

P412 Publishing on CD-ROM
The study of the production, distribution and sale of information on CD-ROM.

P413 Publishing Via the World Wide Web
The study of the production, distribution and sale of information via the world wide web.

P420 Multimedia Publishing
The study of the production, distribution and sale of information in a variety of ways, in sequence or parallel.

P430 Interactive Publishing
The study of the production, distribution and sale of information which the recipient, with the right equipment, is able to interrogate and manipulate.

P490 Publishing not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Publishing categories. To be used sparingly.

P500 Journalism
The study of reporting, photographing and editing news stories. Includes the ownership and control of the press and the power it conveys. Also includes study of political, ethical and economic influences.

P510 Factual Reporting
The study of the dissemination of factual information.

P590 Journalism not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Journalism categories. To be used sparingly.

P900 Others in Mass Communications and Documentation
Miscellaneous grouping for related subjects which do not fit into the other Mass Communications and Documentation categories. To be used sparingly.

P990 Mass Communications and Documentation not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Mass Communications and Documentation categories. To be used sparingly.

Q Linguistics, Classics and related subjects

Q100 Linguistics
The study of the nature of language, its development and acquisition. May involve some study of human vocal anatomy.

Q110 Applied Linguistics
The investigation of the acquisition of language and how to improve it. Includes study of language impairment and how to remedy it. Also includes Language Pathology.

Q120 Historical Linguistics
The study of the structure and development of languages, now dead, which form the root of modern languages. May also be called Philology.

Q130 Phonetics and Phonology
The study of speech and language from the point of view of sound analysis.

Q131 Phonetics
The study of speech processes, including the production, perception and analysis of speech sound. Includes speech acoustics, anatomy and physiology.

Q132 Phonology
The study of the sound systems of languages.

Q140 Sociolinguistics
The study of socially-conditioned factors in language and language use.

Q150 Psycholinguistics
The study of cognition and the effects of psychology on linguistic understanding and ability.

Q190 Linguistics not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Linguistics categories. To be used sparingly.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q200</td>
<td>Comparative Literary studies</td>
</tr>
<tr>
<td>Q210</td>
<td>Literature in translation</td>
</tr>
<tr>
<td>Q220</td>
<td>Literature in its original language</td>
</tr>
<tr>
<td>Q290</td>
<td>Comparative Literary studies not elsewhere classified</td>
</tr>
<tr>
<td>Q300</td>
<td>English Studies</td>
</tr>
<tr>
<td>Q310</td>
<td>English Language</td>
</tr>
<tr>
<td>Q320</td>
<td>English Literature</td>
</tr>
<tr>
<td>Q321</td>
<td>English Literature by Period</td>
</tr>
<tr>
<td>Q322</td>
<td>English Literature by Author</td>
</tr>
<tr>
<td>Q323</td>
<td>English Literature by Topic</td>
</tr>
<tr>
<td>Q330</td>
<td>English as a Second Language</td>
</tr>
<tr>
<td>Q340</td>
<td>English Literature Written as a Second Language</td>
</tr>
<tr>
<td>Q390</td>
<td>English Studies not elsewhere classified</td>
</tr>
<tr>
<td>Q400</td>
<td>Ancient Language Studies</td>
</tr>
<tr>
<td>Q410</td>
<td>Ancient Egyptian</td>
</tr>
<tr>
<td>Q411</td>
<td>Coptic</td>
</tr>
<tr>
<td>Q420</td>
<td>Classical Arabic</td>
</tr>
<tr>
<td>Q430</td>
<td>Akkadian</td>
</tr>
<tr>
<td>Q440</td>
<td>Sumerian</td>
</tr>
<tr>
<td>Q450</td>
<td>Sanskrit</td>
</tr>
<tr>
<td>Code</td>
<td>Subject</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>Q460</td>
<td>Prakrit</td>
</tr>
<tr>
<td>Q470</td>
<td>Aramaic</td>
</tr>
<tr>
<td>Q480</td>
<td>Hebrew</td>
</tr>
<tr>
<td>Q490</td>
<td>Ancient Language studies not elsewhere classified</td>
</tr>
<tr>
<td>Q500</td>
<td>Celtic Studies</td>
</tr>
<tr>
<td>Q510</td>
<td>Ancient Celtic Studies</td>
</tr>
<tr>
<td>Q520</td>
<td>Modern Celtic Studies</td>
</tr>
<tr>
<td>Q521</td>
<td>Goidelic Group of Languages</td>
</tr>
<tr>
<td>Q522</td>
<td>Brythonic Group of Languages</td>
</tr>
<tr>
<td>Q530</td>
<td>Scottish Gaelic</td>
</tr>
<tr>
<td>Q531</td>
<td>Scottish Gaelic Literature</td>
</tr>
<tr>
<td>Q540</td>
<td>Irish Gaelic</td>
</tr>
<tr>
<td>Q541</td>
<td>Irish Gaelic Literature</td>
</tr>
<tr>
<td>Q550</td>
<td>Manx</td>
</tr>
<tr>
<td>Q551</td>
<td>Manx Literature</td>
</tr>
<tr>
<td>Q560</td>
<td>Welsh</td>
</tr>
<tr>
<td>Q561</td>
<td>Welsh Literature</td>
</tr>
<tr>
<td>Q570</td>
<td>Cornish</td>
</tr>
<tr>
<td>Q571</td>
<td>Cornish Literature</td>
</tr>
<tr>
<td>Q580</td>
<td>Breton</td>
</tr>
</tbody>
</table>
JACS Subject Coding System

**Q581 Breton Literature**
The study of literature originally written in Breton. Includes the use of techniques of literary analysis and interpretation.

**Q590 Celtic Studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Celtic studies categories. To be used sparingly.

**Q600 Latin Studies**
The study of Latin, its structure, history, grammar and use. May involve investigation into its relationship with modern day speech and language. May also involve the study of literature texts using the techniques of literary analysis and interpretation.

**Q610 Latin Language**
The study of the history, grammar and use of Latin. Includes acquisition, pronunciation and articulation.

**Q611 Church Latin**
The study of the history, grammar and use of ecclesiastical Latin and how it differs from standard Latin. Includes acquisition, pronunciation and articulation.

**Q612 Medieval Latin**
The study of the history and grammar of vernacular Latin used in legal documents and how it differs from standard Latin. Includes acquisition and individual written forms.

**Q620 Latin Literature**
The study of literature originally written in Latin. Includes the use of techniques of literary analysis and interpretation.

**Q630 Latin Literature in Translation**
The study of literature originally written in Latin and translated into English. Includes the use of techniques of literary analysis and interpretation.

**Q690 Latin studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Latin studies categories. To be used sparingly.

**Q700 Classical Greek Studies**
The study of Classical Greek, its structure, history, grammar and use. May involve investigation into its relationship with modern day speech and language. May also involve the study of language texts using the techniques of literary analysis and interpretation.

**Q710 Classical Greek Language**
The study of the history, grammar and use of Classical Greek. Includes acquisition, pronunciation and articulation.

**Q711 Classical Church Greek**
The study of the history, grammar and use of ecclesiastical Classical Greek and how it differs from standard Classical Greek. Includes acquisition, pronunciation and articulation.

**Q712 Late Greek**
The study of the history, grammar and use of the Greek used in Eastern churches and how it differs from standard Classical Greek. Includes acquisition, pronunciation and articulation.

**Q720 Classical Greek Literature**
The study of literature originally written in Classical Greek. Includes the use of techniques of literary analysis and interpretation.

**Q730 Classical Greek Literature in Translation**
The study of literature originally written in Classical Greek and translated into English. Includes the use of techniques of literary analysis and interpretation.

**Q790 Classical Greek studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Classical Greek studies categories. To be used sparingly.

**Q800 Classical Studies**
Study of the civilisation of Ancient Greece and Rome. May involve investigation into their relationship with modern day civilisation.

**Q890 Classical studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into the other Classical studies categories. To be used sparingly.

**Q900 Others in Linguistics, Classics and related subjects**
Miscellaneous grouping for related subjects which do not fit into the other Linguistics, Classics and related
JACS Subject Coding System

Version 2.0

Q910 Translation Studies
The study, analysis and interpretation of the techniques of translation from one language into another.

Q920 Translation Theory
The study, analysis and interpretation of the processes of translation from one language into another.

Q990 Linguistics, Classics and related subjects not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Others in Linguistics, Classics and related subjects categories. To be used sparingly.

R European Languages, Literature and related subjects

R100 French Studies
The study of the French Language, its structure, history, grammar and use. May include study of French culture and literature using the techniques of literary analysis and interpretation.

R110 French Language
The study of the French language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

R120 French Literature
The study of French literature using the techniques of literary analysis and interpretation.

R130 French Society and Culture
The study of French society and culture.

R190 French Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other French studies categories. To be used sparingly.

R200 German Studies
The study of the German language, its structure, history, grammar and use. May include study of German culture and literature using the techniques of literary analysis and interpretation.

R210 German Language
The study of the German language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

R220 German Literature
The study of German literature using the techniques of literary analysis and interpretation.

R230 German Society and Culture
The study of German society and culture.

R290 German Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other German studies categories. To be used sparingly.

R300 Italian Studies
The study of the Italian language, its structure, history, grammar and use. May include study of Italian culture and literature using the techniques of literary analysis and interpretation.

R310 Italian Language
The study of the Italian language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

R320 Italian Literature
The study of Italian literature using the techniques of literary analysis and interpretation.

R330 Italian Society and Culture
The study of Italian society and culture.

R390 Italian Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Italian studies categories. To be used sparingly.

R400 Spanish Studies
The study of the Spanish language, its structure, history, grammar and use. May include study of Spanish culture and literature using the techniques of literary analysis and interpretation.
JACS Subject Coding System

**R410** Spanish Language
The study of the Spanish language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R411** Spanish Languages in Other Countries
The study of the Spanish language, specific to its structure, history, grammar and use in countries other than Spain.

**R420** Spanish Literature
The study of Spanish literature using the techniques of literary analysis and interpretation.

**R430** Spanish Society and Culture
The study of Spanish society and culture.

**R490** Spanish studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Spanish studies categories. To be used sparingly.

**R500** Portuguese Studies
The study of the Portuguese language, its structure, history, grammar and use. May include study of Portuguese culture and literature using the techniques of literary analysis and interpretation.

**R510** Portuguese Language
The study of the Portuguese language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R511** Portuguese Languages in other countries
The study of the Portuguese language, specific to its structure, history, grammar and use in countries other than Portugal.

**R520** Portuguese Literature
The study of Portuguese literature using the techniques of literary analysis and interpretation.

**R530** Portuguese Society and Culture
The study of Portuguese society and culture.

**R590** Portuguese studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Portuguese studies categories. To be used sparingly.

**R600** Scandinavian Studies
The study of Scandinavian languages, their structure, history, grammar and use. May include study of Scandinavian culture and literature using the techniques of literary analysis and interpretation.

**R610** Scandinavian Languages
The study of Scandinavian languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R611** Swedish Language
The study of the Swedish language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R612** Norwegian Language
The study of the Norwegian language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R613** Finnish Language
The study of the Finnish language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R614** Danish Language
The study of the Danish language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R620** Scandinavian Literature
The study of Scandinavian literature using the techniques of literary analysis and interpretation.

**R621** Swedish Literature
The study of Swedish literature using the techniques of literary analysis and interpretation.

**R622** Norwegian Literature
The study of Norwegian literature using the techniques of literary analysis and interpretation.
JACS Subject Coding System

**R623 Finnish Literature**
The study of Finnish literature using the techniques of literary analysis and interpretation.

**R624 Danish Literature**
The study of Danish literature using the techniques of literary analysis and interpretation.

**R630 Scandinavian Society and Culture**
The study of Scandinavian society and culture.

**R631 Swedish Society and Culture**
The study of Swedish society and culture.

**R632 Norwegian Society and Culture**
The study of Norwegian society and culture.

**R633 Finnish Society and Culture**
The study of Finnish society and culture.

**R634 Danish Society and Culture**
The study of Danish society and culture.

**R690 Scandinavian studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into the other Scandinavian studies categories. To be used sparingly.

**R700 Russian and East European Studies**
The study of Russian and East European languages, their structure, history, grammar and use. May include study of Russian and East European culture and literature using the techniques of literary analysis and interpretation.

**R710 Russian and East European Languages**
The study of Russian and East European languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R711 Russian Language**
The study of the Russian language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R712 Polish Language**
The study of the Polish language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R713 Czech Language**
The study of the Czech language, its structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R720 Russian and East European Literature**
The study of Russian and East European literature using the techniques of literary analysis and interpretation.

**R721 Russian Literature**
The study of Russian literature using the techniques of literary analysis and interpretation.

**R722 Polish Literature**
The study of Polish literature using the techniques of literary analysis and interpretation.

**R723 Czech Literature**
The study of Czech literature using the techniques of literary analysis and interpretation.

**R730 Russian and East European Society and Culture**
The study of Russian and East European society and culture.

**R731 Russian Society and Culture**
The study of Russian society and culture.

**R732 Polish Society and Culture**
The study of Polish society and culture.

**R733 Czech Society and Culture**
The study of Czech society and culture.

**R790 Russian and East European studies not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into the other Russian and East European studies categories. To be used sparingly.
**JACS Subject Coding System**

**R800 European Studies**  
The study of European languages, institutions and society, which can take a broadly comparative approach or can be focussed on either individual countries or the European Union. Usually involves the study of at least one modern language, and one or more of history, politics, international relations, economics, geography, sociology and law. In some universities, courses in cultural studies are also included.

**R900 Others in European Languages, Literature and related subjects**  
Miscellaneous grouping for related subjects which do not fit into the other European Languages, Literature and related subjects categories. To be used sparingly.

**R910 Other European Languages**  
The study of other European languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**R911 Dutch**  
The study of the Dutch language, its structure, history, grammar and use. May include study of Dutch culture and literature using the techniques of literary analysis and interpretation.

**R912 Flemish**  
The study of the Flemish language, its structure, history, grammar and use. May include study of Flemish culture and literature using the techniques of literary analysis and interpretation.

**R920 Other European Literature**  
The study of other European literature using the techniques of literary analysis and interpretation.

**R930 Other European Societies and Cultures**  
The study of other European societies and cultures.

**R990 European Languages, Literature and related subjects not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the Others in European Languages, Literature and related subjects categories. To be used sparingly.

**T Eastern, Asiatic, African, American and Australasian Languages, Literature and related subjects**

**T100 Chinese Studies**  
The study of Chinese languages, their structure, history, grammar and use. May include study of Chinese culture and literature using the techniques of literary analysis and interpretation.

**T110 Chinese Language Studies**  
The study of Chinese languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**T120 Chinese Literature Studies**  
The study of Chinese literature using the techniques of literary analysis and interpretation.

**T130 Chinese Society and Culture Studies**  
The study of Chinese society and culture.

**T190 Chinese Studies not elsewhere classified**  
Miscellaneous grouping for related subjects which do not fit into the other Chinese studies categories. To be used sparingly.

**T200 Japanese Studies**  
The study of Japanese languages, their structure, history, grammar and use. May include study of Japanese culture and literature using the techniques of literary analysis and interpretation.

**T210 Japanese Language Studies**  
The study of Japanese languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

**T220 Japanese Literature Studies**  
The study of Japanese literature using the techniques of literary analysis and interpretation.

**T230 Japanese Society and Culture Studies**  
The study of Japanese society and culture.

**T290 Japanese studies not elsewhere classified**
JACS Subject Coding System

Version 2.0

Miscellaneous grouping for related subjects which do not fit into the other Japanese studies. To be used sparingly.

T300  South Asian Studies
The study of South Asian languages, their structure, history, grammar and use. May include study of South Asian culture and literature using the techniques of literary analysis and interpretation.

T310  South Asian Language Studies
The study of South Asian languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

T320  South Asian Literature Studies
The study of South Asian literature using the techniques of literary analysis and interpretation.

T330  South Asian Society and Culture Studies
The study of South Asian society and culture.

T390  South Asian studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other South Asian studies categories. To be used sparingly.

T400  Other Asian Studies
The study of other Asian languages, their structure, history, grammar and use. May include study of other Asian culture and literature using the techniques of literary analysis and interpretation.

T410  Other Asian Language Studies
The study of other Asian languages, their structure, history, grammar and use. Includes acquisition, pronunciation and articulation.

T420  Other Asian Literature Studies
The study of other Asian literature using the techniques of literary analysis and interpretation.

T430  Other Asian Society and Culture studies
The study of other Asian societies and cultures.

T490  Other Asian Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Other Asian Studies categories. To be used sparingly.

T500  African Studies
The study of the acquisition of African languages, their structure, history, grammar and use. May include study of African culture and literature using the techniques of literary analysis and interpretation.

T510  African Language Studies
The study of African languages, their structure, history, grammar and use.

T520  African Literature Studies
The study of African literature using the techniques of literary analysis and interpretation.

T530  African Society and Culture Studies
The study of African societies and cultures.

T590  African Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other African studies categories. To be used sparingly.

T600  Modern Middle-Eastern studies
The study of the acquisition of the modern Middle-Eastern languages, their structure, history, grammar and use. May include study of Middle-Eastern culture and literature using the techniques of literary analysis and interpretation.

T610  Modern Middle-Eastern Language studies
The study of modern Middle-Eastern languages, their structure, history, grammar and use.

T620  Modern Middle-Eastern Literature studies
The study of modern Middle-Eastern literature using the techniques of literary analysis and interpretation.

T630  Modern Middle-Eastern Society and Culture studies
The study of modern Middle-Eastern societies and cultures.

T690  Modern Middle-Eastern Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Modern Middle-Eastern studies.
American Studies
The study of the acquisition of American languages, their structure, history, grammar and use. May include study of American culture and literature using the techniques of literary analysis and interpretation.

American Language Studies
The study of American languages, their structure, history, grammar and use.

Latin American Language Studies
The study of Latin American languages, their structure, history, grammar and use.

American Literature Studies
The study of American literature using the techniques of literary analysis and interpretation.

Latin American Literature Studies
The study of Latin American literature using the techniques of literary analysis and interpretation.

American Society and Culture Studies
The study of American societies and cultures.

Latin American Society and Culture Studies
The study of Latin American societies and cultures.

American Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other American studies categories. To be used sparingly.

Australasian Studies
The study of the acquisition of Australasian and South West Pacific languages, their structure, history, grammar and use. May include study of Australasian culture and literature using the techniques of literary analysis and interpretation.

Australasian Language Studies
The study of Australasian and South West Pacific languages, their structure, history, grammar and use.

Australasian Literature Studies
The study of Australasian and South West Pacific literature using the techniques of literary analysis and interpretation.

Australasian Society and Culture Studies
The study of Australasian and South West Pacific societies and cultures.

Australasian Studies not elsewhere classified
Miscellaneous grouping for related studies which do not fit into the other Australasian studies categories. To be used sparingly.

Others in Eastern, Asiatic, African, American and Australasian Languages, Literature and related subjects
Miscellaneous grouping for related subjects which do not fit into the other Eastern, Asiatic, African, American and Australasian languages, Literature and related subjects categories. To be used sparingly.

Others in Eastern, Asiatic, African, American and Australasian Languages
The study of other Eastern, Asiatic, African American and Australasian languages, their structure, history, grammar and use.

Others in Eastern, Asiatic, African, American and Australasian Literature
The study of other Eastern, Asiatic, African American and Australasian literature using the techniques of literary analysis and interpretation.

Others in Eastern, Asiatic, African, American and Australasian Societies and Cultures
The study of other Eastern, Asiatic, African American and Australasian societies and cultures.

Eastern, Asiatic, African, American and Australasian Languages, Literature and related subjects not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Eastern, Asiatic, African American and Australasian Languages, Literature and related subjects categories. To be used sparingly.

Historical and Philosophical studies
JACS Subject Coding System

V100  History by Period
Recording and interpreting past events and social and political developments chronologically.

V110  Ancient History
Historical studies of the period, including classical history, between c.7th BC to c.1st AD.

V120  Byzantine History
Historical studies of the period between c.1st AD to c.7th AD.

V130  Medieval History
Historical studies of the period between c.700 AD to c.1550 AD.

V140  Modern History
Historical studies of the period c.1550 AD to the present.

V141  Modern History 1500-1599
Historical studies of the period 1500-1599.

V142  Modern History 1600-1699
Historical studies of the period 1600-1699.

V143  Modern History 1700-1799
Historical studies of the period 1700-1799.

V144  Modern History 1800-1899
Historical studies of the period 1800-1899.

V145  Modern History 1900-1919
Historical studies of the period 1900-1919. Includes World War I studies.

V146  Modern History 1920-1949
Historical studies of the period 1920-1949. Includes World War II studies.

V147  Modern History 1950-1999
Historical studies of the period 1950-1999.

V148  Modern History 2000-2099
Historical studies of the period 2000-2099.

V190  History by Period not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the others in History by Period. To be used sparingly.

V200  History by Area
Recording and interpreting past events and social and political developments geographically.

V210  British History
Historical studies focusing on the British Isles.

V211  Irish History
Historical studies of Ireland.

V212  Scottish History
Historical studies of Scotland.

V213  Welsh History
Historical studies of Wales.

V214  English History
Historical studies of England.

V220  European History
Historical studies focusing on continental Europe.

V221  French History
Historical studies of France.

V222  German History
Historical studies of Germany.

V223  Italian History
Historical studies of Italy.

V224  Iberian History
Historical studies of Spain and Portugal.
JACS Subject Coding System

V225 Russian History
Historical studies of Russia.

V230 American History
Historical studies of the Americas.

V231 Canadian History
Historical studies of Canada.

V232 USA History
Historical studies of the United States of America.

V233 South American History
Historical studies of South and Latin America.

V234 Central American History
Historical studies of Central America.

V240 Asian History
Historical studies of continental Asia.

V241 Chinese History
Historical studies of China.

V242 Indian History
Historical studies of the Indian sub-continent.

V243 South East Asian History
Historical studies of South East Asia.

V250 African History
Historical studies of continental Africa.

V251 North African History
Historical studies of North Africa.

V252 Central African History
Historical studies of Central and Equatorial Africa.

V253 Southern African History
Historical studies of Southern Africa including South Africa.

V254 East African History
Historical studies of East Africa.

V255 West African History
Historical studies of West Africa.

V260 Australasian History
Historical studies of the continent of Australasia.

V261 Australian History
Historical studies of Australia.

V262 New Zealand History
Historical studies of New Zealand.

V270 World History
Historical studies considered globally.

V271 International History
Historical studies of relations between nation states.

V290 History by Area not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the others in History by Area categories. To be used sparingly.

V300 History by Topic
The study of recording, interpreting and comparing developments of particular skills, artefacts, cultures or other areas of interest.

V310 Economic History
Study of the growth and development of economies in history. May include the study of industrialisation.
V320  Social History
The interpretation of the underlying processes of change in society. Includes the study of the growth and development of societies in history.

V321  Local History
Social historical study of a particular locality such as a town or village.

V322  Oral History
The study of spoken records as historical evidence.

V323  Family History
Genealogical study of family or personal descent.

V330  History of Religions
Historical study of religious movements and their interaction with other cultures.

V340  Intellectual History
The history of ideas and the study of intellectual movements.

V350  History of Art
Historical study of developments in the arts and consideration of art history methods and techniques. Includes the enhancement of visual awareness and expertise as an aspect of cultural history.

V360  History of Architecture
Historical study of building design and architectural movements.

V370  History of Design
Historical study of design styles and movements.

V380  History of Science
Investigation of the historical development of the sciences in their economic and cultural context. Includes the influence of non-scientific factors and the impact of science on society.

V381  History of Physics
Historical studies of natural philosophy and the physical sciences.

V382  History of Chemistry
Historical studies of the chemical sciences.

V383  History of Mathematics
Historical studies of the mathematical sciences.

V390  History by Topic not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the others in History by Topic categories. To be used sparingly.

V391  Military History
Historical studies of the development of armed forces and their deployment in warfare.

V400  Archaeology
The study of human prehistory, development of early societies and the emergence of civilisation. Includes socio-historical analysis of the material remains from excavations of past cultures to reconstruct and understand the past.

V410  Egyptology
The archaeological study of the civilisations of ancient Egypt.

V420  Stone Age
The archaeology of the period of human culture characterised by the making and use of stone implements and artefacts.

V430  Bronze Age
The archaeology of the period of human culture characterised by the making and use of bronze implements and artefacts, c. 4500BC - 500BC.

V440  Iron Age
The archaeology of the period of human culture characterised by the making and use of iron implements and artefacts, c.1100 - C1st AD.

V450  Archaeological conservation
Methods of preserving artefacts from excavations for retrieval and analysis of archaeological information.

V460  Archaeological techniques
Methods of surveying, field archaeology and palaeography.
JACS Subject Coding System

V490 Archaeology not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the others in Archaeology categories. To be used sparingly.

V500 Philosophy
The critical examination of fundamental beliefs about meaning, truth and reality, right and wrong.

V510 Metaphysics
Consideration of the problems in the theories of being and thought.

V511 Epistemology
The study of the theory of knowledge.

V520 Moral Philosophy
The study of the concept of morality and codes of behaviour.

V530 Scholastic Philosophy
Consideration of philosophical thought of the medieval period.

V540 Social Philosophy
Consideration of philosophical questions about an individual's responsibility and obligations to society.

V550 Philosophy of Science
The study of the philosophy of the Sciences, including scientific methodology, the nature of scientific knowledge and the use of formal logic.

V560 Mental Philosophy
The study of the philosophy of thinking and the mind.

V590 Philosophy not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Philosophy categories. To be used sparingly.

V600 Theology and Religious studies
The study of the nature of divinity and of beliefs in their social context.

V610 Theology
Interpretation of doctrinal concepts such as faith, revelation and grace.

V620 Religious Studies
Identification and classification of religions and the comparative study of the world's religious traditions.

V621 Christian Studies
The theory and practice of Roman Catholic, Protestant, Orthodox and other Christian denominations.

V622 Islamic Studies
The theory and practice of Islam.

V623 Judaism
The theory and practice of the Jewish religion.

V624 Hinduism
The theory and practice of the Hindu religious tradition.

V625 Buddhism
The theory and practice of the Buddhist religious tradition.

V626 Other Asian Religious Studies
The theory and practice of other Asian religions.

V627 Comparative Religious Studies
The comparative study of different religious beliefs, customs and observations.

V630 Divinity
Investigation into the nature of a deity and other divine beings.

V640 Religious Writings
The study and interpretation of religious writings in their historical, theological and philosophical contexts.

V641 The Bible and Christian Texts
Includes study of the Old and New Testaments, the apocryphal writings and patristic exegesis.

V642 The Qu'ran and Islamic Texts
Includes study of the Qu'ran (Koran) and interpretation of Sharia.
**JACS Subject Coding System**

V643 The Torah and Judaic Texts  
Includes study of the Torah and Talmudic interpretation.

V644 Asian religious Texts  
Includes study of the Bhagavad-Gita, Tripitaka, Vedic, Taoist and Confucian texts.

V645 Comparative Religious Texts  
Critical interpretation, comparison and analysis of religious texts.

V650 Pastoral Studies  
The study of religious practice in its social setting. It includes the work of the Ministry in religious education.

V690 Theology and Religious Studies not elsewhere classified  
Miscellaneous grouping for related subjects which do not fit into the other Theology and Religious studies categories. To be used sparingly.

V900 Others in Historical and Philosophical Studies  
Miscellaneous grouping for related subjects which do not fit into the other Historical and Philosophical studies categories. To be used sparingly.

V990 Historical and Philosophical Studies not elsewhere classified  
Miscellaneous grouping for related subjects which do not fit into the Others in Historical and Philosophical studies categories. To be used sparingly.

W Creative Arts and Design

W100 Fine Art  
The aesthetic representation in one medium of what is reality in another. Encompasses all artistic media.

W110 Drawing  
The study of training in the expression of emotions, ideas or views of reality through representation by lines on a surface. Includes the use of such media as pen & ink, pencil, charcoal, pastel etc.

W120 Painting  
The study of training in the expression of emotions, ideas or views of reality through representation by the application of paints and chemical colour substances to canvasses or other materials.

W130 Sculpture  
The representation of reality using three-dimensional media, eg stone, metal, wood etc.

W140 Printmaking  
The study of training in the expression of emotions, ideas or views of reality by rendering art concepts onto surfaces and transferring images, via ink or dyes, onto paper or fabric.

W150 Calligraphy  
The study of training in the artistic construction of hand-written text.

W160 Fine Art Conservation  
The study of the conservation, protection and restoration of fine art artefacts.

W190 Fine Art not elsewhere classified  
Miscellaneous grouping for related subjects which do not fit into the other Fine Art categories. To be used sparingly.

W200 Design Studies  
The study of design for everyday objects, taking into account technology and commerce as well as appearance and current art thinking. May involve the use of computers as design tools.

W210 Graphic Design  
The study of training in the use of artistic techniques effectively to communicate ideas and information to business and consumer audiences via forms of printed media.

W211 Typography  
The study of training in the use of artistic techniques in the design and production of printed matter.

W212 Multimedia Design  
The study of training in the use of artistic techniques in design using a variety of materials.

W213 Visual Communication
JACS Subject Coding System

The study of/training in the use of artistic techniques in design to impart information.

W220 Illustration
The study of/training in the use of artistic techniques effectively to communicate ideas and information to business and consumer audiences via drawn or painted images.

W230 Clothing/Fashion Design
The study of/training in the design and use of textiles and other materials to create items of apparel.

W231 Textile Design
The study of/training in the design of textiles.

W240 Industrial/Product Design
The study of/training in the design of industrial and consumer products to meet aesthetic, functional and commercial requirements.

W250 Interior Design
The study of/training in the use of artistic techniques in the planning, designing, equipping and furnishing of residential, commercial and public interior spaces.

W260 Furniture Design
The study of/training in the design of furniture for residential, commercial and public environments.

W270 Ceramics Design
The study of/training in the design of ceramic artefacts.

W280 Interactive and Electronic Design
The study of/training in the design of non-static computer-generated images.

W290 Design Studies not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Design studies categories. To be used sparingly.

W300 Music
The study of melody, harmony and rhythm produced in accordance with specified patterns and sequences. May include performance, theory and history of music.

W310 Musicianship/Performance Studies
The study of/training in the mastering of musical instruments and performing art as solo and/or ensemble performers.

W330 History of Music
The study of the historical development of music and musical styles.

W340 Types of Music
The study of specific types and variants of musical genres.

W350 Musicology
The systematic study of the forms and methods of music art, and the functions of music in societies and cultures.

W360 Musical Instrument History
Historical studies of the development of musical instruments in the context of changing styles of playing and performance.

W390 Music not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Music categories. To be used sparingly.

W400 Drama
The study of and/or training in acting and stagecraft. May include the study of theatre management and the supervision and production of scenery, costume, lighting etc.

W410 Acting
The study of/training in the communication of dramatic information, ideas, moods, and feelings through the achievement of naturalistic and believable behaviour in imaginary circumstances.

W420 Directing for Theatre
The study of/training in the supervision and direction of dramatic performances.

W430 Producing for Theatre
The study of/training in the techniques and principles involved in the production of theatrical performances other
JACS Subject Coding System

than acting and directing.

W440  Theatre Studies
The study of the technical aspects of theatrical performances.

W450  Stage Management
The study of/training in the management of lighting, props, scenery and other technical items associated with theatrical performances.

W451  Theatrical Wardrobe Design
The study of/training in the design of costumes for theatrical performances.

W452  Theatrical Make-up
The study of/training in the application of make-up and/or face and body paints for theatrical performances.

W460  Theatre Design
The study of the design of theatres and theatre productions.

W461  Stage Design
The study of the design of sets and scenery for use in theatres, film and television.

W490  Drama not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Drama categories. To be used sparingly.

W500  Dance
The study of and/or training in the movement of the body, particularly in time to music. May include some study of/training in music and/or drama.

W510  Choreography
The study of/training in the arrangement and planning of staged dance.

W520  Body Awareness
The study of the human body in relation to its capabilities in generating artistic forms in dance.

W530  History of Dance
The study of the development of dance in societies and cultures.

W540  Types of Dance
The study of/training in the specific styles and genres of dance.

W590  Dance not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Dance categories. To be used sparingly.

W600  Cinematics and Photography
The study of all aspects of film making.

W610  Moving Image Techniques
The study of the techniques and principles associated with the production of moving image sequences.

W611  Directing Motion Pictures
The study of/training in the direction and arrangement of equipment and actors in the production of a moving image sequence.

W612  Producing Motion Pictures
The study of/training in all aspects of the production of a moving image sequence other than acting and directing.

W613  Film & Sound Recording
The study of/training in the recording of audio and video elements in the production of a moving image sequence.

W614  Visual and Audio Effects
The study of/training in the production of special visual and/or audio effects in the production of moving image sequences.

W615  Animation Techniques
The study of/training in the particular techniques associated with the creation of the illusion of movement in a video sequence, by the filming of successive drawings or the positions of puppets.

W620  Cinematography
The study of the purely artistic elements of moving image sequences.

W630  History of Cinematics and Photography
The study of the development of moving image and still image generation.
JACS Subject Coding System

W631 History of Cinematics
The study of the development of the generating of moving images.

W632 History of Photography
The study of the development of the generating of still images.

W640 Photography
The study of training in all aspects in the creation of still images on photographic film or plates.

W690 Cinematics and Photography not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Cinematics and Photography categories. To be used sparingly.

W700 Crafts
The study of the use of a variety of materials individually and in combination to create pleasing and useful items. Includes a high proportion of practical work.

W710 Fabric and Leather Crafts
The study of all crafts which are based upon the source materials of fabric and leather.

W711 Needlecraft
The study of crafts which draw upon the use of needles to create and decorate fabric and leather artefacts.

W712 Dressmaking
The study of training in the creation of items of apparel.

W713 Soft Furnishing
The study of training in the creation of soft furnishing items.

W714 Weaving
The craft of interweaving fibres of material, such as cotton, wool etc.

W715 Leatherwork
The craft involved with the creation or decoration of items made from animal skin.

W720 Metal Crafts
The study of all crafts which use metals as a source material.

W721 Silversmithing/Goldsmithing
The craft of creating artefacts using the materials of silver and gold.

W722 Blacksmithing
The craft of creating artefacts from iron.

W723 Clock/Watchmaking
The craft of creating chronometers.

W730 Wood Crafts
The study of all crafts which involve the use of wood as a source material.

W731 Carpentry/Joinery
The craft of laying-out, fabricating, erecting, installing and repairing wooden structures and fixtures.

W732 Cabinet making
The craft of creating items of wooden furniture.

W733 Marquetry and Inlaying
The craft of decorating wooden items by inlaying patterns of thin layers of wood, brass, ivory etc.

W734 Veneering
The craft of bonding thin outer layers of wood, brass, ivory etc to items for decorative purposes.

W740 Surface Decoration
The study of all crafts which involve changing the appearance of objects by adding ornament or colour to their outer layer.

W750 Clay and Stone Crafts
The study of all crafts which involve the use of clay, stone and related materials.

W751 Pottery
The craft of creating vessels and artefacts from fired clay.

W752 Tile Making
JACS Subject Coding System

The craft of creating decorative and functional tiles from clay and ceramic materials.

W753 Stone Crafts
The craft of creating decorative and functional items from stone. May include dry-stone walling.

W760 Reed Crafts
The study of all crafts which involve the use of reeds and related materials.

W761 Basketry
The craft of constructing containers from interwoven cane or reeds.

W762 Thatching
The study of the craft of traditional roofing using straw, reeds or similar materials.

W770 Glass Crafts
All crafts which involve the use of glass as a source material.

W771 Glassblowing
The craft of constructing glass vessels by means of blowing into molten glass.

W780 Paper Crafts
The study of all crafts which involve the making or use of paper as a source material.

W781 Bookbinding
The craft of constructing decorative and ornate bindings for hand-printed books.

W782 Origami
The Japanese craft of folding paper into decorative shapes and figures.

W790 Crafts not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Crafts categories. To be used sparingly.

W800 Imaginative Writing
The study of the creation of fictional text.

W810 Scriptwriting
The study of training in the writing of scripts for theatre/television or motion picture productions.

W820 Poetry Writing
The study of training in the writing of poems.

W830 Prose Writing
The study of training in the writing of prose.

W890 Imaginative Writing not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the other Imaginative Writing categories. To be used sparingly.

W900 Others in Creative Arts and Design
Miscellaneous grouping for related subjects which do not fit into the other Creative Arts and Design categories. To be used sparingly.

W990 Creative Arts and Design not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into the Others in Creative Arts and Design categories. To be used sparingly.

X Education

X100 Training Teachers
The training of others to impart, explain and disseminate knowledge, skills and learning to a third party.

X110 Training Teachers - Nursery
The training of others to impart, explain and disseminate knowledge, skills and learning to pre-school children.

X120 Training Teachers - Primary
The training of others to impart, explain and disseminate knowledge, skills and learning to children in school years 1 to 6 inclusive.

X121 Training Teachers - Infant (key stage 1)
The training of others to impart, explain and disseminate knowledge, skills and learning to children in school
JACS Subject Coding System

years 1 and 2 inclusive.

X122 Training Teachers - Junior (key stage 2)
The training of others to impart, explain and disseminate knowledge, skills and learning to children in school years 3 to 6 inclusive.

X130 Training Teachers - Secondary
The training of others to impart, explain and disseminate knowledge, skills and learning to children in school years 7 to 11 inclusive.

X131 Training Teachers - key stage 3
The training of others to impart, explain and disseminate knowledge, skills and learning to children in school years 7 to 9 inclusive.

X132 Training Teachers - key stage 4
The training of others to impart, explain and disseminate knowledge, skills and learning to children in school years 10 to 11 inclusive.

X140 Training Teachers - Tertiary
The training of others to impart, explain and disseminate knowledge, skills and learning to people above school year 11.

X141 Training Teachers - Further Education
The training of others to impart, explain and disseminate knowledge, skills and learning to people in education years 12 to 13 inclusive.

X142 Training Teachers - Higher Education
The training of others to impart, explain and disseminate knowledge, skills and learning to people registered on a higher education course.

X150 Training Teachers - Adult Education
The training of others to impart, explain and disseminate knowledge, skills and learning to adults. May include teaching of management training techniques, restructuring of teaching methods to take account of part-time study etc.

X151 Training Teachers - Coaching
The training of others to impart, explain and disseminate knowledge, skills and learning to sportsmen and women.

X160 Training Teachers - Specialist
The training of others to use non-standard methods to impart, explain and disseminate knowledge, skills and learning to people with particular learning requirements.

X161 Training Teachers - Special Needs
The training of others to use non-standard methods to impart, explain and disseminate knowledge, skills and learning to people with special needs.

X162 Teaching English as a Foreign Language (TEFL)
The training of others to use non-standard methods to teach English to people whose first language is not English.

X190 Training Teachers not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Training Teachers categories. To be used sparingly.

X200 Research and Study Skills in Education
The study of investigative method and the collection of information with the aim of improving individual learning ability and efficiency.

X210 Research Skills
The study of investigative method and the collection of information.

X220 Study Skills
The study of individual learning ability and techniques with the aim of improving their efficacy and efficiency.

X290 Research and Study Skills in education not elsewhere classified
Miscellaneous grouping for related subjects which do not fit into other Research and Study Skills in education categories. To be used sparingly.

X300 Academic Studies in Education
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve group learning ability and efficiency.

X310 Academic Studies in Nursery Education
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in pre-school children.
### JACS Subject Coding System

**X320 Academic Studies in Primary Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in children in school years 1 to 6 inclusive.

**X330 Academic Studies in Secondary Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in children in school years 7 to 11 inclusive.

**X340 Academic Studies in Tertiary Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in people above school year 11.

**X341 Academic Studies in Further Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in people in education years 12 to 13 inclusive.

**X342 Academic Studies in Higher Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in people in higher education.

**X350 Academic Studies in Adult Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in adults.

**X360 Academic Studies in Specialist Education**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in people with particular learning requirements.

**X370 Academic Studies in Education (across phases)**
The study of teaching and learning, the arrangement of the curriculum, and the investigation of the learning process in order to improve learning ability and efficiency in people of all ages.

**X390 Academic Studies in Education not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into other Academic studies in Education categories. To be used sparingly.

**X900 Others in Education**
Miscellaneous grouping for related subjects which do not fit into the other Education categories. To be used sparingly.

**X990 Education not elsewhere classified**
Miscellaneous grouping for related subjects which do not fit into the Others in Education categories. To be used sparingly.