ALLEGATO 1

Physical Sciences and Engineering

PE1   Mathematics
All areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics

PE1_1   Logic and foundations
PE1_2   Algebra
PE1_3   Number theory
PE1_4   Algebraic and complex geometry
PE1_5   Lie groups, Lie algebras
PE1_6   Geometry and global analysis
PE1_7   Topology
PE1_8   Analysis
PE1_9   Operator algebras and functional analysis
PE1_10   ODE and dynamical systems
PE1_11   Theoretical aspects of partial differential equations
PE1_12   Mathematical physics
PE1_13   Probability
PE1_14   Mathematical statistics
PE1_15   Generic statistical methodology and modelling
PE1_16   Discrete mathematics and combinatorics
PE1_17   Mathematical aspects of computer science
PE1_18   Numerical analysis
PE1_19   Scientific computing and data processing
PE1_20   Control theory, optimisation and operational research
PE1_21   Application of mathematics in sciences
PE1_22   Application of mathematics in industry and society

PE2   Fundamental Constituents of Matter
Particle, nuclear, plasma, atomic, molecular, gas, and optical physics

PE2_1   Theory of fundamental interactions
PE2_2   Phenomenology of fundamental interactions
PE2_3   Experimental particle physics with accelerators
PE2_4   Experimental particle physics without accelerators
PE2_5   Classical and quantum physics of gravitational interactions
PE2_6   Nuclear, hadron and heavy ion physics
PE2_7   Nuclear and particle astrophysics
PE2_8   Gas and plasma physics
PE2_9   Electromagnetism
PE2_10   Atomic, molecular physics
PE2_11   Ultra-cold atoms and molecules
PE2_12   Optics, non-linear optics and nano-optics
PE2_13   Quantum optics and quantum information
PE2_14   Lasers, ultra-short lasers and laser physics
PE2_15   Thermodynamics
PE2_16   Non-linear physics
PE2_17   Metrology and measurement
PE2_18   Equilibrium and non-equilibrium statistical mechanics: steady states and dynamics

PE3   Condensed Matter Physics
Structure, electronic properties, fluids, nanosciences, biological physics

PE3_1   Structure of solids, material growth and characterisation
PE3_2   Mechanical and acoustical properties of condensed matter, lattice dynamics
PE3_3   Transport properties of condensed matter
PE3_4   Electronic properties of materials, surfaces, interfaces, nanostructures
PE3_5   Physical properties of semiconductors and insulators
PE3_6   Macroscopic quantum phenomena, e.g. superconductivity, superfluidity, quantum Hall effect
PE3_7   Spintronics
PE3_8   Magnetism and strongly correlated systems
PE3_9   Condensed matter – beam interactions (photons, electrons, etc.)
PE3_10 Nanophysics, e.g. nanoelectronics, nanophotonics, nanomagnetism, nanoelectromechanics
PE3_11 Mesoscopic quantum physics and solid-state quantum technologies
PE3_12 Molecular electronics
PE3_13 Structure and dynamics of disordered systems, e.g. soft matter (gels, colloids, liquid crystals), granular matter, liquids, glasses, defects
PE3_14 Fluid dynamics (physics)
PE3_15 Statistical physics: phase transitions, condensed matter systems, models of complex systems, interdisciplinary applications
PE3_16 Physics of biological systems

PE4   Physical and Analytical Chemical Sciences
Analytical chemistry, chemical theory, physical chemistry/chemical physics

PE4_1   Physical chemistry
PE4_2   Spectroscopic and spectrometric techniques
PE4_3   Molecular architecture and Structure
PE4_4   Surface science and nanostructures
PE4_5   Analytical chemistry
PE4_6   Chemical physics
PE4_7   Chemical instrumentation
PE4_8   Electrochemistry, electrodialysis, microfluidics, sensors
PE4_9   Method development in chemistry
PE4_10 Heterogeneous catalysis
PE4_11 Physical chemistry of biological systems
PE4_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions
PE4_13 Theoretical and computational chemistry
PE4_14 Radiation and Nuclear chemistry
PE4_15 Photochemistry
PE4_16 Corrosion
PE4_17 Characterisation methods of materials
PE4_18 Environment chemistry

PE5   Synthetic Chemistry and Materials
New materials and new synthetic approaches, structure-properties relations, solid state chemistry, molecular architecture, organic chemistry

PE5_1   Structural properties of materials
PE5_2   Solid state materials chemistry
PE5_3   Surface modification
PE5_4   Thin films
PE5_5   Ionic liquids
PE5_6   New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles
PE5_7   Biomaterials synthesis

PE5_8   Intelligent materials synthesis – self assembled materials

PE5_9   Coordination chemistry

PE5_10 Colloid chemistry

PE5_11 Biological chemistry and chemical biology

PE5_12 Chemistry of condensed matter

PE5_13 Homogeneous catalysis

PE5_14 Macromolecular chemistry

PE5_15 Polymer chemistry

PE5_16 Supramolecular chemistry

PE5_17 Organic chemistry

PE5_18 Medicinal chemistry

PE6   Computer Science and Informatics

Informatics and information systems, computer science, scientific computing, intelligent systems

PE6_1   Computer architecture, embedded systems, operating systems

PE6_2   Distributed systems, parallel computing, sensor networks, cyber-physical systems

PE6_3   Software engineering, programming languages and systems

PE6_4   Theoretical computer science, formal methods, automata

PE6_5   Security, privacy, cryptology, quantum cryptography

PE6_6   Algorithms and complexity, distributed, parallel and network algorithms, algorithmic game theory

PE6_7   Artificial intelligence, intelligent systems, natural language processing

PE6_8   Computer graphics, computer vision, multimedia, computer games

PE6_9   Human computer interaction and interface, visualisation

PE6_10 Web and information systems, data management systems, information retrieval and digital libraries, data fusion

PE6_11 Machine learning, statistical data processing and applications using signal processing (e.g. speech, image, video)

PE6_12 Scientific computing, simulation and modelling tools

PE6_13 Bioinformatics, bio-inspired computing, and natural computing

PE6_14 Quantum computing (formal methods, algorithms and other computer science aspects)

PE7   Systems and Communication Engineering

Electrical, electronic, communication, optical and systems engineering

PE7_1   Control engineering

PE7_2   Electrical engineering: power components and/or systems

PE7_3   Simulation engineering and modelling

PE7_4   (Micro- and nano-) systems engineering

PE7_5   (Micro- and nano-) electronic, optoelectronic and photonic components

PE7_6   Communication systems, wireless technology, high-frequency technology

PE7_7   Signal processing

PE7_8   Networks, e.g. communication networks and nodes, Internet of Things, sensor networks, networks of robots

PE7_9   Man-machine interfaces

PE7_10 Robotics

PE7_11 Components and systems for applications (in e.g. medicine, biology, environment)

PE7_12 Electrical energy production, distribution, applications

PE8   Products and Processes Engineering

Product and process design, chemical, civil, environmental, mechanical, vehicle engineering, energy processes and relevant computational methods

PE8_1   Aerospace engineering
PE8_2   Chemical engineering, technical chemistry
PE8_3   Civil engineering, architecture, offshore construction, lightweight construction, geotechnics
PE8_4   Computational engineering
PE8_5   Fluid mechanics
PE8_6   Energy processes engineering
PE8_7   Mechanical engineering
PE8_8   Propulsion engineering, e.g. hydraulic, turbo, piston, hybrid engines
PE8_9   Production technology, process engineering
PE8_10 Manufacturing engineering and industrial design
PE8_11 Environmental engineering, e.g. sustainable design, waste and water treatment, recycling, regeneration or recovery of compounds, carbon capture & storage
PE8_12 Naval/marine engineering
PE8_13 Industrial bioengineering
PE8_14 Automotive and rail engineering; multi-/inter-modal transport engineering

PE9   Universe Sciences

Astrophysics/-chemistry/-biology; solar system; planetary systems; stellar, galactic and extragalactic astronomy; cosmology; space sciences; astronomical instrumentation and data

PE9_1   Solar physics – the Sun and the heliosphere
PE9_2   Solar system science
PE9_3   Exoplanetary science, formation and characterization of extrasolar planets
PE9_4   Astrobiology
PE9_5   Interstellar medium and star formation
PE9_6   Stars – stellar physics, stellar systems
PE9_7   The Milky Way
PE9_8   Galaxies – formation, evolution, clusters
PE9_9   Cosmology and large-scale structure, dark matter, dark energy
PE9_10 Relativistic astrophysics and compact objects
PE9_11 Gravitational wave astronomy
PE9_12 High-energy and particle astronomy
PE9_13 Astronomical instrumentation and data, e.g. telescopes, detectors, techniques, archives, analyses

PE10 Earth System Science

Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management

PE10_1 Atmospheric chemistry, atmospheric composition, air pollution
PE10_2 Meteorology, atmospheric physics and dynamics
PE10_3 Climatology and climate change
PE10_4 Terrestrial ecology, land cover change
PE10_5 Geology, tectonics, volcanology
PE10_6 Palaeoclimatology, palaeoecology
PE10_7 Physics of earth's interior, seismology, geodynamics
PE10_8 Oceanography (physical, chemical, biological, geological)
PE10_9 Biogeochemistry, biogeochemical cycles, environmental chemistry
PE10_10 Mineralogy, petrology, igneous petrology, metamorphic petrology
PE10_11 Geochemistry, cosmochemistry, crystal chemistry, isotope geochemistry, thermodynamics
PE10_12 Sedimentology, soil science, palaeontology, earth evolution
PE10_13 Physical geography, geomorphology
PE10_14 Earth observations from space/remote sensing
PE10_15 Geomagnetism, palaeomagnetism
PE10_16 Ozone, upper atmosphere, ionosphere
PE10_17 Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
PE10_18 Cryosphere, dynamics of snow and ice cover, sea ice, permafrost and ice sheets
PE10_19 Planetary geology and geophysics
PE10_20 Geohazards
PE10_21 Earth system modelling and interactions

PE11 Materials Engineering

Advanced materials development: performance enhancement, modelling, large-scale preparation, modification, tailoring, optimisation, novel and combined use of materials, etc.

PE11_1 Engineering of biomaterials, biomimetic, bioinspired and bio-enabled materials
PE11_2 Engineering of metals and alloys
PE11_3 Engineering of ceramics and glasses
PE11_4 Engineering of polymers and plastics
PE11_5 Engineering of composites and hybrid materials
PE11_6 Engineering of carbon materials
PE11_7 Engineering of metal oxides
PE11_8 Engineering of alternative established or emergent materials
PE11_9 Nanomaterials engineering, e.g. nanoparticles, nanoporous materials, 1D & 2D nanomaterials
PE11_10 Soft materials engineering, e.g. gels, foams, colloids
PE11_11 Porous materials engineering, e.g. covalent-organic, metal-organic, porous aromatic frameworks
PE11_12 Semi-conducting and magnetic materials engineering
PE11_13 Metamaterials engineering
PE11_14 Computational methods for materials engineering

Life Sciences

LS1   Molecules of Life: Biological Mechanisms, Structures and Functions

For all organisms:

Molecular biology, biochemistry, structural biology, molecular biophysics, synthetic and chemical biology, drug design, innovative methods and modelling

LS1_1   Macromolecular complexes including interactions involving nucleic acids, proteins, lipids and carbohydrates
LS1_2   Biochemistry
LS1_3   DNA and RNA biology
LS1_4   Protein biology
LS1_5   Lipid biology
LS1_6   Glycobiology
LS1_7   Molecular biophysics, biomechanics, bioenergetics
LS1_8   Structural biology
LS1_9   Molecular mechanisms of signalling processes
LS1_10 Synthetic biology
LS1_11 Chemical biology
LS1_12 Protein design
LS1_13 Early translational research and drug design
LS1_14 Innovative methods and modelling in molecular, structural and synthetic biology

LS2   Integrative Biology: from Genes and Genomes to Systems

For all organisms:

Genetics, epigenetics, genomics and other 'omics studies, bioinformatics, systems biology, genetic diseases, gene editing, innovative methods and modelling, 'omics for personalised medicine

LS2_1   Genetics
LS2_2   Gene editing
LS2_3   Epigenetics
LS2_4   Gene regulation
LS2_5   Genomics
LS2_6   Metagenomics
LS2_7   Transcriptomics
LS2_8   Proteomics
LS2_9   Metabolomics
LS2_10 Glycomics/Lipidomics
LS2_11 Bioinformatics and computational biology
LS2_12 Biostatistics
LS2_13 Systems biology
LS2_14 Genetic diseases
LS2_15 Integrative biology for personalised medicine
LS2_16 Innovative methods and modelling in integrative biology

LS3   Cell Biology, Development, Stem Cells and Regeneration

For all organisms:

Structure and function of the cell, cell-cell communication, embryogenesis, tissue differentiation, organogenesis, growth, development, evolution of development, organoids, stem cells, regeneration, therapeutic approaches

LS3_1   Cell cycle, cell division and growth
LS3_2   Cell senescence, cell death, autophagy, cell ageing
LS3_3   Cell behaviour, including control of cell shape, cell migration
LS3_4   Cell junctions, cell adhesion, the extracellular matrix, cell communication
LS3_5   Cell signaling and signal transduction, exosome biology
LS3_6   Organelle biology and trafficking
LS3_7   Mechanobiology of cells, tissues and organs
LS3_8   Embryogenesis, pattern formation, morphogenesis
LS3_9   Cell differentiation, formation of tissues and organs
LS3_10 Developmental genetics
LS3_11 Evolution of developmental strategies
LS3_12 Organoids
LS3_13 Stem cells
LS3_14 Regeneration
LS3_15 Development of cell-based therapeutic approaches for tissue regeneration
LS3_16 Functional imaging of cells and tissues
LS3_17 Theoretical modelling in cellular, developmental and regenerative biology

LS4   Physiology in Health, Disease and Ageing

Organ and tissue physiology, comparative physiology, physiology of ageing, pathophysiology, inter-organ and tissue communication, endocrinology, nutrition, metabolism, interaction with the microbiome, non-communicable diseases including cancer (and except disorders of the nervous system and immunity-related diseases)

LS4_1   Organ and tissue physiology and pathophysiology
LS4_2   Comparative physiology
LS4_3   Physiology of ageing
LS4_4   Endocrinology
LS4_5   Non-hormonal mechanisms of inter-organ and tissue communication
LS4_6   Microbiome and host physiology
LS4_7   Nutrition and exercise physiology
LS4_8   Impact of stress (including environmental stress) on physiology
LS4_9   Metabolism and metabolic disorders, including diabetes and obesity
LS4_10 The cardiovascular system and cardiovascular diseases
LS4_11 Haematopoiesis and blood diseases
LS4_12 Cancer
LS4_13 Other non-communicable diseases (except disorders of the nervous system and immunity-related diseases)

LS5   Neuroscience and Disorders of the Nervous System

Nervous system development, homeostasis and ageing, nervous system function and dysfunction, systems neuroscience and modelling, biological basis of cognitive processes and of behaviour, neurological and mental disorders

– In humans and all other organisms

LS5_1   Neuronal cells
LS5_2   Glial cells and neuronal-glial communication
LS5_3   Neural development and related disorders
LS5_4   Neural stem cells
LS5_5   Neural networks and plasticity
LS5_6   Neurovascular biology and blood-brain barrier
LS5_7   Sensory systems, sensation and perception, including pain
LS5_8   Neural basis of behaviour (e.g. sleep, consciousness, addiction)
LS5_9   Neural basis of cognition (e.g. learning, memory, attention, emotions, speech)
LS5_10   Ageing of the nervous system
LS5_11   Neurological and neurodegenerative disorders
LS5_12   Mental disorders
LS5_13   Nervous system injuries and trauma, stroke
LS5_14   Repair and regeneration of the nervous system
LS5_15   Neuroimmunology, neuroinflammation
LS5_16   Systems and computational neuroscience (e.g. modelling, simulation, brain oscillations, connectomics)
LS5_17   Imaging in neuroscience
LS5_18   Innovative methods and tools for neuroscience

LS6   Immunity, Infection and Immunotherapy

The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies

LS6_1   Innate immunity
LS6_2   Adaptive immunity
LS6_3   Regulation of the immune response
LS6_4   Immune-related diseases
LS6_5   Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)
LS6_6   Infectious diseases
LS6_7   Mechanisms of infection
LS6_8   Biological basis of prevention and treatment of infection
LS6_9   Antimicrobials, antimicrobial resistance
LS6_10   Vaccine development
LS6_11   Innovative immunological tools and approaches, including therapies

LS7   Prevention, Diagnosis and Treatment of Human Diseases

Medical technologies and tools for prevention, diagnosis and treatment of human diseases, therapeutic approaches and interventions, pharmacology, preventative medicine, epidemiology and public health, digital medicine

LS7_1   Medical imaging for prevention, diagnosis and monitoring of diseases
LS7_2   Medical technologies and tools (including genetic tools and biomarkers) for prevention, diagnosis, monitoring and treatment of diseases
LS7_3   Nanomedicine
LS7_4   Regenerative medicine
LS7_5   Applied gene, cell and immune therapies
LS7_6   Other medical therapeutic interventions, including transplantation

LS7_7   Pharmacology and toxicology
LS7_8   Effectiveness of interventions, including resistance to therapies
LS7_9   Public health and epidemiology
LS7_10   Preventative and prognostic medicine
LS7_11   Environmental health, occupational medicine
LS7_12   Health care, including care for the ageing population
LS7_13   Palliative medicine
LS7_14   Digital medicine, e-medicine, medical applications of artificial intelligence
LS7_15   Medical ethics

LS8   Environmental Biology, Ecology and Evolution

For all organisms:

Ecology, biodiversity, environmental change, evolutionary biology, behavioural ecology, microbial ecology, marine biology, ecophysiology, theoretical developments and modelling

LS8_1   Ecosystem and community ecology, macroecology
LS8_2   Biodiversity
LS8_3   Conservation biology
LS8_4   Population biology, population dynamics, population genetics
LS8_5   Biological aspects of environmental change, including climate change
LS8_6   Evolutionary ecology
LS8_7   Evolutionary genetics
LS8_8   Phylogenetics, systematics, comparative biology
LS8_9   Macroevolution and paleobiology
LS8_10   Ecology and evolution of species interactions
LS8_11   Behavioural ecology and evolution
LS8_12   Microbial ecology and evolution
LS8_13   Marine biology and ecology
LS8_14   Ecophysiology, from organisms to ecosystems
LS8_15   Theoretical developments and modelling in environmental biology, ecology, and evolution

LS9   Biotechnology and Biosystems Engineering

Biotechnology using all organisms, biotechnology for environment and food applications, applied plant and animal sciences, bioengineering and synthetic biology, biomass and biofuels, biohazards

LS9_1   Bioengineering for synthetic and chemical biology
LS9_2   Applied genetics, gene editing and transgenic organisms
LS9_3   Bioengineering of cells, tissues, organs and organisms
LS9_4   Microbial biotechnology and bioengineering
LS9_5   Food biotechnology and bioengineering
LS9_6   Marine biotechnology and bioengineering
LS9_7   Environmental biotechnology and bioengineering
LS9_8   Applied plant sciences, plant breeding, agroecology and soil biology
LS9_9   Plant pathology and pest resistance
LS9_10   Veterinary and applied animal sciences
LS9_11   Biomass production and utilisation, biofuels
LS9_12   Ecotoxicology, biohazards and biosafety

Social Sciences and Humanities

SH1   Individuals, Markets and Organisations
Economics, finance, management

SH1_1   Macroeconomics; monetary economics; economic growth, labour economics
SH1_2   International trade; international business; spatial economics
SH1_3   Development economics political economics
SH1_4   Finance; financial markets
SH1_5   Corporate finance; international finance
SH1_6   Banking, insurance
SH1_7   Accounting, asset prices, auditing
SH1_8   Econometrics, game theory, decision theory
SH1_9   Behavioural economics; experimental economics; neuro-economics
SH1_10 Microeconomics, industrial organisation, applied microeconomics
SH1_11 Innovation, research & development, entrepreneurship
SH1_12 Management; operations management, international management
SH1_13 Human resource management; organisational behaviour
SH1_14 Strategy, operation research
SH1_15 Marketing, consumer behaviour
SH1_16 Quantitative economic history, economic systems, institutional economics

SH2   Institutions, Governance and Legal Systems
Political science, international relations, law

SH2_1   Political systems, governance
SH2_2   Democratisation and social movements
SH2_3   Conflict resolution, war, peace building
SH2_4   Legal studies, comparative law, law and economics
SH2_5   Constitutions, human rights, international law
SH2_6   International relations, global and transnational governance
SH2_7   Humanitarian assistance and development
SH2_8   Political and legal philosophy
SH2_9   Digital approaches to political science and law

SH3   The Social World and Its Interactions
Sociology, social psychology, education sciences, communication studies

SH3_1   Social structure, social mobility, social innovation
SH3_2   Inequalities, discrimination, prejudice
SH3_3   Aggression and violence, antisocial behaviour, crime
SH3_4   Social integration, exclusion, prosocial behaviour
SH3_5   Social attitudes and beliefs
SH3_6   Social influence; power and group behaviour
SH3_7   Social policies, welfare, work and employment
SH3_8   Poverty and poverty alleviation
SH3_9   Social aspects of teaching and learning, curriculum studies, education and educational policies
SH3_10 Communication and information, networks, media
SH3_11 Digital social research
SH3_12 Social studies of science and technology

SH4   The Human Mind and Its Complexity
Cognitive science, psychology, linguistics

SH4_1   Cognitive basis of human development, developmental disorders; comparative cognition
SH4_2   Personality and social cognition; emotion
SH4_3   Clinical and health psychology

SH4_4   Neurocognitive psychology
SH4_5   Attention, perception, action, consciousness
SH4_6   Learning, memory; cognition in ageing
SH4_7   Reasoning, decision-making; intelligence
SH4_8   Language learning and processing (first and second languages)
SH4_9   Theoretical linguistics; computational linguistics
SH4_10 Language typology; historical linguistics
SH4_11 Pragmatics, sociolinguistics, linguistic anthropology, discourse analysis

SH5   Texts and Concepts
Literary studies, literature, philosophy

SH5_1   Classics, ancient literature
SH5_2   Theory and history of literature, comparative literature
SH5_3   Book studies
SH5_4   Philology; text and image studies
SH5_5   Paleography and codicology
SH5_6   Philosophy of mind, philosophy of language
SH5_7   Philosophy of science, epistemology, logic
SH5_8   Metaphysics, philosophical anthropology; aesthetics
SH5_9   Ethics and its applications; social philosophy
SH5_10 History of philosophy
SH5_11 Digital humanities; digital approaches to literary studies and philosophy

SH6   The Study of the Human Past
Archaeology and history

SH6_1   Archaeological methods and theory, history of archaeology
SH6_2 Prehistoric archaeology, archaeology of non-literate societies
SH6_3   Archaeology of early literate societies and early civilizations
SH6_4   Medieval and post-medieval archaeologies
SH6_5   Archaeological science, bioarchaeology, environmental archaeology, geoarchaeology
SH6_6   Digital, computational, virtual and geospatial archaeologies
SH6_7   Historiography, theory and methods of history, including the analysis of digital data
SH6_8   Ancient history, medieval history
SH6_9   Early modern, modern, and contemporary history
SH6_10 Colonial and post-colonial history
SH6_11 Global, transnational, and comparative history
SH6_12 Social and economic history
SH6_13 Cultural history, intellectual history
SH6_14 History of science and technologies, environmental history

SH7   Human Mobility, Environment, and Space
Human geography, demography, health, sustainability science, territorial planning, spatial analysis

SH7_1   Human, economic and social geography
SH7_2   Migration
SH7_3   Population dynamics: households, family and fertility
SH7_4   Social aspects of health, ageing and society
SH7_5   Sustainability sciences, environment and resources, ecosystem services
SH7_6   Environmental and climate change, societal impact and policy
SH7_7   Cities; urban, regional and rural studies
SH7_8   Land use and planning
SH7_9   Energy, transportation and mobility
SH7_10 GIS, spatial analysis; digital geography

SH8   Studies of Cultures and Arts
Social anthropology, studies of cultures, studies of arts

SH8_1   Kinship; diversity and identities, gender, interethnic relations
SH8_2   Religious studies, ritual; symbolic representation
SH8_3   Cultural studies and theory, cultural identities and memories, cultural heritage
SH8_4   Museums, exhibitions, conservation and restoration
SH8_5   History of art and of architecture
SH8_6   Architecture, design, craft, creative industries
SH8_7   Music and musicology; history of music
SH8_8   Visual and performing arts, screen, arts-based research
SH8_9   Digital approaches to anthropology, cultural studies and art