LIST OF DISCIPLINES

FOR POLISH-CHINESE RESEARCH PROJECTS UNDER SHENG 2

Arts, Humanities and Social Sciences

NS6 Human nature and human society: psychology, pedagogy/education studies, sociology		
HS6_001	General psychology (cognitive processes, emotions, motivations, personality, individual differences), experimental psychology, psycholinguistics	
HS6_002	Social, political, environmental and intercultural psychology	
HS6_003	Clinical, health, correctional, rehabilitation psychology; clinical neuropsychology	
HS6_004	Psychology of development, family, parenting, education	
HS6_005	Evolutionary and comparative psychology, genetics of behaviour, psychophysiology, neuropsychology	
HS6_006	Economic psychology, psychology of labour, organization, marketing and advertising	
HS6_007	History of psychology, methodology, psychometrics, psychological diagnostics	
HS6_013	Theoretical sociology, methodology and empirical studies	
HS6_014	Social structure and social dynamics, environmental change and society	

Physical Sciences and Engineering

<u>ST4 Chemistry:</u> physical chemistry/chemical physics, theoretical chemistry, analytical chemistry, inorganic chemistry, organic chemistry, method development

ST4_001	Physical chemistry, chemical physics
ST4_002	Spectroscopic and spectrometric techniques
ST4_003	Molecular architecture and structure
ST4_004	Theoretical and computational chemistry
ST4_005	Analytical chemistry
ST4_006	Instrumental methods in chemistry
ST4_007	Electrochemistry, microfluidics in chemistry, sensors
ST4_008	Organic chemistry
ST4_009	Biological chemistry
ST4_010	Polymer and biopolymer chemistry
ST4_011	Coordination and supramolecular chemistry

ST4_012	Photochemistry
ST4_013	Solid-state chemistry, surface physicochemistry
ST4_014	Catalysis
ST4_015	Colloid chemistry
ST4_016	Ionic liquids
ST4_017	Chemical reactions: mechanisms, thermodynamics, kinetics
ST4_018	Radiation and nuclear chemistry
ST4_019	Environmental chemistry
ST4_020	Inorganic chemistry
ST4_021	Other related subjects
•	<u>:</u> materials synthesis, structure-properties relations, advanced and rials with designed properties, (macro)molecular architecture, material
ST5_001	Structural properties of materials
ST5_002	Solid-state materials
ST5_003	Surface modification
ST5_004	Thin films
ST5_005	Polymer materials
ST5_006	Porous materials, ceramics, glasses
ST5_007	Composites, organic-inorganic hybrid materials, etc.
ST5_008	Metals, alloys
ST5_009	Biomaterials, biocompatible materials
ST5_010	Functional materials/nanomaterials, nanoparticles
ST5_011	Smart materials – self assembled materials, external stimuli-responsive materials
ST5_012	Methods of nanomaterials/materials synthesis
ST5_013	Research methods on materials/nanomaterials properties
ST5_014	Other related subjects
	on and processes engineering: modelling, product design, process crol, construction methods and engineering, power units and systems.
ST8_001	Chemical engineering, technical chemistry, environmental engineering, sanitary engineering, engineering of chemical processes
ST8_002	Maritime/hydraulic/water engineering, civil engineering, aerospace engineering
ST8_003	Computational engineering, computer-aided modelling, design and manufacturing
ST8_004	Fluid mechanics, technical thermodynamics
ST8_005	Power systems (production, distribution)

ST8_006	Mechatronics, fine mechanics
ST8_007	Machine design (modelling, shaping, machining)
ST8_008	Mechanics of solids
ST8_009	Industrial design, product and device design, ergonomics, human-machine interaction
ST8_010	Technical aspects of architecture, urban studies and spatial planning
ST8_011	Production planning and control
ST8_012	Technical aspects of transport
ST8_013	Architectural acoustics
ST8_014	Other related subjects

NZ - Life Sciences

NZ1 Molecular biology, structural biology, biotechnology: molecular biology, structural biology, biotechnology

NZ_001	Molecular biology
NZ1_002	Biochemistry
NZ1_003	Biophysics
NZ1_004	Structural biology
NZ1_005	Genetic engineering
NZ1_006	Synthetic biology
NZ1_007	Cell engineering
NZ1_008	Tissue engineering
NZ1_009	Biotechnology
NZ1_010	Microbiology
NZ1 011	Other related subjects

<u>NZ2 Genetics, genomics</u>: molecular genetics, genomics, proteomics, bioinformatics, systems biology, genetic epidemiology

NZ2_001	Molecular genetics
NZ2_002	Genomics, transcriptomics, epigenomics
NZ2_003	Proteomics
NZ2_004	Metabolomics
NZ2_005	Cell genetics

NZ2_006	Immunogenetics
NZ2_007	Bioinformatics
NZ2_008	Computational biology
NZ2_009	Systems biology
NZ2_010	Biological systems analysis, modelling and simulation
NZ2_011	Genetic epidemiology
NZ2_012	Other related subjects

NZ3 Cellular and developmental biology: cell biology, developmental biology, ageing biology, neurobiology

NZ3_001	Cell biology
NZ3_002	Cell physiology
NZ3_003	Apoptosis
NZ3_004	Ageing
NZ3_005	Molecular neurobiology
NZ3_006	Cell neurobiology
NZ3_007	Signal transduction
NZ3_008	Stem cell biology
NZ3_009	Organogenesis
NZ3_010	Developmental genetics in plants
NZ3_011	Developmental biology in plants
NZ3_012	Developmental genetics in animals
NZ3_013	Developmental biology in animals
NZ3_014	Other related subjects

<u>NZ4 Biology of tissues, organs and organisms</u>: morphology and functions of animal's and human's systems, organs and organisms, experimental medicine, basics of neurology

NZ4_001 Anatomy

NZ4_002	Physiology
NZ4_003	Comparative physiology
NZ4_004	Pathophysiology
NZ4_005	Anatomical pathology
NZ4_006	Endocrinology
NZ4_007	Neurophysiology
NZ4_008	Neuroendocrinology
NZ4_009	Systems neurobiology
NZ4_010	Neuroimaging and computational neuroscience
NZ4_011	Metabolism
NZ4_012	Other related subjects

NZ5 Human and animal noninfectious diseases: etiology, mechanisms, diagnosis and treatment of diseases, poisonings and injuries (without neurological diseases)

NZ5_001	Etiology of human diseases
NZ5_002	Etiology of animal diseases
NZ5_003	Pathogenesis of human diseases
NZ5_004	Pathogenesis of animal diseases
NZ5_005	Diagnostics in human diseases
NZ5_006	Diagnostics in animal diseases
NZ5_007	Human disease treatment
NZ5_008	Animal disease treatment
NZ5_009	Other related subjects

NZ6 Human and animal immunology and infection: immunity, immune disorders, immunotherapy, infectious and invasive diseases, microbiology, transplantology, allergology

NZ6_001	Adaptive and innate immunity
NZ6_002	Clinical immunology
NZ6_003	Animal immunology
NZ6_004	Bacteriology
NZ6_005	Virology
NZ6_006	Parasitology
NZ6 007	Mycology

NZ6_008 Other related subjects

NZ7 <u>Diagnostic tools, therapies and public health</u>: public health, epidemiology, environmental health risks and occupational medicine, medical ethics, drug discovery and therapies, pharmacology

NZ7_001	Epidemiology
NZ7_002	Environment and health risks
NZ7_003	Physical culture and health promotion
NZ7_004	Prevention in population health
NZ7_005	Health services, health care research
NZ7_006	Occupational medicine
NZ7_007	Rehabilitation
NZ7_008	Pharmacoeconomics
NZ7_009	Medical ethics
NZ7_010	Veterinary ethics
NZ7_011	Veterinary healthcare
NZ7_012	Prevention of human diseases
NZ7_013	Prevention of animal diseases
NZ7_014	Pharmacy, pharmacotherapy, pharmacology
NZ7_015	Toxicology
NZ7_016	Other related subjects

NZ8 Evolutionary and environmental biology: evolution, ecology, population biology, biodiversity, biogeography

NZ8_001	Evolutionary biology
NZ8_002	Ecology
NZ8_003	Animal behaviour
NZ8_004	Biodiversity
NZ8_005	Biogeography
NZ8_006	Marine biology
NZ8_007	Hydrobiology
NZ8_008	Ecotoxicology
NZ8_009	Population genetics

NZ8_010	Taxonomy and phylogenetic
NZ8_011	Botany
NZ8_012	Zoology
NZ8_013	Human biology and ecology
NZ8_014	Other related subjects

NZ9 Fundamentals of applied life sciences and biotechnology: agricultural, forestry, horticulture, animal production and fishery, food and nutrition sciences, industrial biosciences, environmental biotechnology and remediation

NZ9_001	Agronomy
NZ9_002	Animal production
NZ9_003	Forestry
NZ9_004	Horticulture
NZ9_005	Aquaculture, fisheries
NZ9_006	Environment protection
NZ9_007	Nutrition and food sciences
NZ9_008	Environmental microbiology
NZ9_009	Environmental biotechnology
NZ9_010	Bioremediation
NZ9_011	Biohazards, biological containment, biosafety, biosecurity
NZ9_012	Conservation of genetic resources
NZ9_013	Other related subjects

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