kod		title
01	NGN01	Video Conferencing
02	NGN01	Telepresence
03	NGN01	Multimedia Networks Protocols
04	NGN01	Digital Rights Management
05	NGN01	Multimedia Interactive Systems
06	NGN01	E-Learning
07	NGN01	Al Applications in Multimedia
08	NGN01	Digital Filter Design
09	NGN01	DSP Implementation
10	NGN01	Fractional Signal Processing
11	NGN01	Distributed Signal Processing
12	NGN01	Group Communication for Controlling Networks and Services
13	NGN01	Support for Streaming dan Real-Time Media
14	NGN01	VoIP Protocols and Services
15	NGN01	Processing of Medical Signals and Images
16	NGN01	Wireless Health Monitoring Technologies
17	NGN01	Remote acquisition of Data for Teleconsulting
01	NGN02	Techniques and Tools for Internet Traffic Measurements
02	NGN02	Plug and Play Networking Components
03	NGN02	Network Resource Management
04	NGN02	Virtual Private Networks
05	NGN02	Control and Management in Dynamic/Mobil Network Environments
06	NGN02	Data Procurement Systems
07	NGN02	Industrial Networking Security
08	NGN02	Internet Infrastructures Security
09	NGN02	Internet Routing Protocols Security
10	NGN02	Legal, Financial and Operational Security
11	NGN02	Malware Protection
12	NGN02	Physical Cyber Security
13	NGN02	Protocol Security Testing and Evaluation
14	NGN02	Secure Coding Practices
01	NGN03	Internet Signalling and Service Enabling Protocols, Including SIP, NSIS, HTTP, RTSP/RTP
02	NGN03	MPSL and Traffic Engineering
03	NGN03	Internet Mobility Management and Support
04	NGN03	VoIP Protocols and Services
05	NGN03	Unicast, Multi-Cast, Broadcast Routing Protocols
06	NGN03	Overlay and Peer-To-Peer Networks
01	NGN04	Ad Hoc Wireless Network
02	NGN04	Internet Over Satellite
03	NGN04	Internetworking Heterogeneous Wireless/Wireline Networks
04	NGN04	Mobility, Location and Handoff Management
05	NGN04	Multimedia QoS and Traffic Management
06	NGN04	QoS and Media Streaming Support
07	NGN04	QoS Routing In Wireless Networks
08	NGN04	Self Organization of Networks

09	NGN04	Sensor Networks
10	NGN04	Service Middleware and Open Interfaces
11	NGN04	Satellite for NGN
12	NGN04	Transport Protocols for Wireless
13	NGN04	Wireless LANs Protocols and Standards
14	NGN04	Wireless Multicasting
15	NGN04	Wireless Network Security and Privacy
16	NGN04	Wireless System Optimization Techniques
01	NGN05	Virtual Environment
02	NGN05	Distributed Immersive Simulation
03	NGN05	Web 3D/Virtual Reality
04	NGN05	Information Visualization
05	NGN05	HCL for Mobile Devices
06	NGN05	Adaptive Interfaces
07	NGN05	Computer Supported Cooperative Work
01	NGN06	Mobile Code and Network Programmability
02	NGN06	4G Mobile Network Architectures
03	NGN06	Mobile Ad Hoc Routing
04	NGN06	Mobile Internet Technologies
05	NGN06	Mobile IP Techniques
06	NGN06	Mobile Quality of Service Management
01	NGN07	Internet Governance Study
02	NGN07	Internet Policy Study
03	NGN07	Internet Resource Control & Management
04	NGN07	Cyber Law Study
01	PBT01	Linguistic Theory
02	PBT01	Sociolinguistics
03	PBT01	Applied Linguistics
04	PBT01	Discourse Analysis
05	PBT01	English Language Skills
06	PBT01	Reading
07	PBT01	Speaking
08	PBT01	Syllabus Design & Materials Development
09	PBT01	Testing & Evaluation
10	PBT01	History & Bahasa Malaysia
11	PBT01	Terminologi
12	PBT01	Lexicography & Lexicology
13	PBT01	Stylistics, Reading & Text Interpretation
14	PBT01	English Language Studies
00	PBT02	Translation
01	PBT02	Theory & Translation Practice
02	PBT02	Evaluation of Various Types of Text
03	PBT02	Spontaneous Interpretation & Consecutive Interpretation
00	PHA01	Physiology
00	PHA02	Pharmacology
01	PHA02	Computer-Aided Drug Design
01	PHA03	Microbiology

0	PHA04	Biotechnology
1	PHA05	Clinical Pharmacy
0	PHA07	Methods Of Drugs Analysis & Synthesis
0	PHA08	Pharmacokinetics
0	PHA10	Drug Metabolism
0	PHA11	Traditional Medicine / Herbal Medicine
0	PHA12	Neuroscience
0	PHA13	Biopharmaceutics
1	PHA13	Formulation and Product Development
2	PHA13	Novel Drug Delivery Systems
3	PHA13	Pharmaceutical Technology
0	PHA14	Pharmaceutical Chemistry
1	PHA14	Industrial Hygiene
0	PHA15	Social Pharmacy
1	PHA15	Pharmacoeconomics
2	PHA15	Pharmacoepidemiology
4	PHA15	Pharmacy Management
5	PHA15	Pharmaceutical Marketing
6	PHA15	Pharmacoinformatics
7	PHA15	Pharmacy Practice
8	PHA15	Public Health Pharmacy
10	PHA15	Health Related Quality of Life Studies
12	PHA15	Pharmaceutical Financing
13	PHA15	Health Systems Research
14	PHA15	Pharmaceutical Policy
0	PHA16	Bioinformatics and Molecular Modeling
1	PHY21	Materials Fabrication and Characterization for Electronics, Optoelectronics and Biomedicine
2	PHY21	Studies of Condensed Matter Materials and Devices
3	PHY21	Photonic Materials and Devices
4	PHY21	Modelling and Simulation of Condensed Matter Devices
5	PHY21	X-ray Structure Determination and Characterization(Organic/Organometallic Compounds, Non-linear Optical Materials, Natural Products)
1	PHY22	Semiconductor Fabrication (Thin Film, Epitaxy and Nano structures)
2	PHY22	Sensors and Actuators
3	PHY22	Digital Image Processing (Land Cover Mapping, Water and Air Quality Monitoring)
4	PHY22	Optical and Remote Sensing Technology
5	PHY22	Photonic Devices, Systems and Applications
6	PHY22	Thermal Processes in Device and Packaging
1	PHY23	Solar Thermal and Photovoltaic
2	PHY23	Computer Simulation and Modelling of Solar Energy
3	PHY23	Bioenergy
4	PHY23	Fuel Cell and Batteries
1	PHY24	Exploration Geophysics
2	PHY24	Physical Oceanography
3	PHY24	Environmental Remote Sensing (Land and Water)
4	PHY24	Positional Astronomy

5	PHY24	Photometric and Spectroscopic Studies
6	PHY24	Ozone Studies
7	PHY24	Atmospheric Studies
8	PHY24	Meterology
9	PHY24	Atmospheric Remote Sensing
10	PHY24	Radioastronomy
11	PHY24	Astrophysics
1	PHY25	Computational Condensed Matter Physics
2	PHY25	Linear and Nonlinear Optics
3	PHY25	Theoretical Condensed Matter (Magnetic, Ferroelectric, Liquid Crystals)
4	PHY25	High Energy Physics (Non-Abelian Gauge Theory, Elementary Particle)
1	PHY26	Radiation Dosimetry, Radiation Protection (Monte Carlo Methods, Non-destructive
2	PHY26	Medical Instrumentation (Laser, Ultrasound, MRI, CT, Nuclear Medicine, ImagingTechniques)
3	PHY26	Radiation Physics
4	PHY26	Biophysics (Radiation, Cardiovascular, Cellular)
0	PKD01	Biomedical Analysis
0	PKD02	Drug Metabolism
0	PKD03	Instrumental Organic Analysis
0	PKD05	Drug Abuse
0	PKD07	Biochemistry Analysis
0	PKD08	Peptide Identification & Characterization
0	PKD09	Biochemical Toxiclogy
0	PKD10	Lipid Profiling(Lipidomics)
0	PKD11	Drug Discovery & Proteomics)
0	POL01	Poverty Studies & Micro Credit
0	POL02	Human Resources Development
0	POL03	Social Demography
0	POL04	Ethnicity & Identity
0	POL05	Political Economy
0	POL06	Development Economic
0	POL07	Development Sociology
0	POL08	Development Planning & Development of Small and Medium Industries
0	POL09	Sociology of Islam
0	POL10	Rural Sociology
0	POL11	Local Goverment Studies
0	POL12	Social and Physical Planning
0	POL13	International Studies
0	POL14	Critical Policy Research
0	POL15	Public Management
0	PRN01	Toxicology
0	PRN02	Environmental Health
0	PRN03	Occupational Safety & Health
0	PRN04	Pharmacoinformatics
0	PRN05	Drug Policy & Management
1	PSG01	Community Dentistry

01	PSG02	Oral Biology
02	PSG02	Molecular Biology
03	PSG02	Human Genetic
01	PSG03	Conservative Dentistry
02	PSG03	Prosthetic Dentistry
03	PSG03	Periodontology Dentistry
04	PSG03	Restorative Dentistry
01	PSG04	Maxillofacial Surgery
02	PSG04	Craniofacial Surgery
03	PSG04	Head & Neck Surgery
01	PSG05	Biomaterial
01	PSG06	Orthodontic
02	PSG06	Pedodontic
01	PSG07	Dental Implantology
02	PSG07	Implantology
01	PSG08	Oral Biology / Immunology
02	PSG08	Stemcell
01	PSG09	Bioethics
01	PSG10	Oral Immunology
01	PSG11	Prosthodontic
00	PSG12	Periodontic
00	PSG13	Dentistry
01	RED01	River Management
02	RED01	Urban Drainage Management
03	RED01	Hydroinformatics
04	RED01	Environmental Hydraulics Management
01	SEN01	Drama & Theatre
02	SEN01	Acting & Directing
03	SEN01	Traditional Theatre & Music
04	SEN01	Educational Theatre
05	SEN01	Dance
01	SEN02	History & Theory of Arts
02	SEN02	Painting
03	SEN02	Sculpture
04	SEN02	Printmaking
05	SEN02	Graphic Design
06	SEN02	Photography
07	SEN02	Fine Arts
08	SEN02	Product Design
09	SEN02	Design & New Media Technology
01	SEN03	Music
02	SEN03	Ethnomusicology
03	SEN03	Musicology
04	SEN03	Composition
06	SEN03	Pedagogy - Music Education
01	SHS01	Vakcinology
02	SHS01	Mechanism of Disease

03	SHS01	Molecular and Cellular Biology
04	SHS01	Diseases Diagnostic
05	SHS01	Pharmacology
06	SHS01	Physiology
07	SHS01	Immunology
08	SHS01	Hematology and Transfusion Sciences
09	SHS01	Biochemistry
10	SHS01	Microbiology
11	SHS01	Parasitology
12	SHS01	Anatomy, Histology and Microscopy
13	SHS01	Biomedical Nanotechnology
01	SHS02	DNA Finger Printing
02	SHS02	Toxicology Forensic
03	SHS02	Narcotic Drug Analysis
04	SHS02	Criminalistic
05	SHS02	Criminology
06	SHS02	Forensic Psychology
07	SHS02	Forensic Chemistry
08	SHS02	Forensic Biology
09	SHS02	Forensic Anthropology
10	SHS02	Fire Debris Analysis
11	SHS02	Forensic Pathology
12	SHS02	Food Forensics
13	SHS02	Environmental Forensic
14	SHS02	Penology
01	SHS03	Human Nutrition
02	SHS03	Clinical Nutrition
03	SHS03	Community Nutrition
04	SHS03	Infant Nutrition
05	SHS03	Geriatric Nutrition
06	SHS03	Nutritional Epidemiology
07	SHS03	Nutritional Anthropology
08	SHS03	Nutritional Biochemistry
09	SHS03	Nutrition Education
10	SHS03	Nutrition Policies/Programmes
11	SHS03	Sports Nutrition
12	SHS03	Molecular Nutrition
13	SHS03	Food Quality and Analysis
14	SHS03	Food and Nutritional Toxicology
15	SHS03	Experimental Nutrition
16	SHS03	Food and Nutrition Microbiology
01	SHS04	Nuclear Medicine Sciences
02	SHS04	Radiotherapy Dosimetry
03	SHS04	Radiation Protection & Safety
04	SHS04	Diagnostic Radiology Sciences
05	SHS04	Dosimetry Diagnostic Radiology
06	SHS04	Radiopharmacueticals

07	SHS04	Medical Imaging
01	SHS05	Clinical Nursing Practice
02	SHS05	Maternal and Child Health Nursing
03	SHS05	Family and Community Nursing
04	SHS05	Nursing Management
05	SHS05	Nursing Education
01	SHS06	Health Promotion
02	SHS06	Gender and Health
03	SHS06	Women's Health
04	SHS06	Family Violence/Violence Against Women and Children
05	SHS06	Health Social Work
06	SHS06	Health and Social Problem
07	SHS06	History and Philosophy of Health Sciences
08	SHS06	Medical Ethnics and Shari'ah
09	SHS06	Islamic Epistemology and Helth Sciences
10	SHS06	Islamic Axiology and Health Sciences
11	SHS06	History and Philosophy of Medical Sciences In Islam
12	SHS06	Health Communication
15	SHS06	Health Economics and Policy
01	SHS07	Health Record
02	SHS07	E-Learning
03	SHS07	Bioinformatics
04	SHS07	Computer Forensics
01	SHS08	Environmental Health
02	SHS08	Occupational Health
01	SOC01	Cross-cultural Studies
02	SOC01	Industrialisation & Urbanisation
03	SOC01	Criminology
04	SOC01	Human Ecology
05	SOC01	Religion
06	SOC01	Work Organization Carporate Social Responsibility
07	SOC01	Social Anthropology
08	SOC01	Sociology of Work
09	SOC01	Environmental Sociology
10	SOC01	Population
11	SOC01	Gender Studies
12	SOC01	Minorities Studies
13	SOC01	Migrant Workers
14	SOC01	Anthropology and Sociology
15	SOC01	Japanese Studies
16	SOC01	Globalization Cyber Culture
01	SOC02	Finance
02	SOC02	International Economics
03	SOC02	Economic Development
04	SOC02	Agricultural Economics
05	SOC02	Labour Economics
06	SOC02	Econometric

07	SOC02	Islamization of Economic Institutions
08	SOC02	Economic Theory
09	SOC02	Environmental Economics
10	SOC02	Industrial Economics
11	SOC02	Public Finance/ Public Sector Economics
13	SOC02	Technology Transfer
14	SOC02	Economy
01	SOC03	Development Theory
02	SOC03	Development History
03	SOC03	Development Methodology
04	SOC03	Development Issues
05	SOC03	Project Planning
06	SOC03	Policy & Planning
07	SOC03	Social Development
08	SOC03	Education & Development
09	SOC03	Women & Work
10	SOC03	Health & Development
11	SOC03	Industrialisation &Technology
12	SOC03	Islamic Development Management
13	SOC03	Development Planning & Management
14	SOC03	Sustainable Development
01	SOC04	Political Thoughts
02	SOC04	Comparative Politics
03	SOC04	Public Administration
04	SOC04	Public Policy
05	SOC04	International Relations
06	SOC04	Conflict & Peace
07	SOC04	Public Sector Management
08	SOC04	Local Government
09	SOC04	Leadership Studies
10	SOC04	Political Science
01	SOC05	Social Work
02	SOC05	Social Administration
03	SOC05	Social Development
04	SOC05	Community Work
05	SOC05	Social Work Methodology
06	SOC05	Social Welfare
07	SOC05	Social Policy and Social Services
08	SOC05	Social Work Education
09	SOC05	Social Work Research
10	SOC05	Counseling
11	SOC05	Psychology
01	SOC06	Women Studies
02	SOC06	Human Resource
01	SOC07	Al-Qur'an & Al-Sunnah for Development Management
02	SOC07	Usul-Fiqh and Fiqhiyyah Methods for Development Management
03	SOC07	Human Development Management

04	SOC07	Islamic Research Methodology
05	SOC07	Islamic Management
06	SOC07	Islamic-Based Development
07	SOC07	Islamic Economics
08	SOC07	Islamic Accounting
09	SOC07	Islamic Politics
10	SOC07	Islamic Sociology
11	SOC07	Islamic Anthropology
12	SOC07	Politic of Islamic-Based Development
13	SOC07	Islamic Political Economy
14	SOC07	Islamic Banking
15	SOC07	Islamic Finance
16	SOC07	Islamic-Based Wealth Management
17	SOC07	Islamic-Based Poverty Management
18	SOC07	Islamic-Based Project Management
19	SOC07	Islamic-Based Conflict Management
20	SOC07	Islamic- Based Development Management Ethics
21	SOC07	Islamic-Based Development Institutions
22	SOC07	Zakat Development Management
23	SOC07	Waqf Development Management
24	SOC07	Takaful Development Management
25	SOC07	Ar-Rahnu Development Management
26	SOC07	Wiils and Faraid Development Management
27	SOC07	Halal Products, Services and Issues
28	SOC07	Islamic Movements