# LIBRARY OF CONGRESS CLASSIFICATION OUTLINE (Available online at http://www.loc.gov/catdir/cpso/lcco/)

## CLASS Q - SCIENCE

## Subclass Q

Q1-390 Science (General)
Q1-295 General
Q300-390 Cybernetics

Q350-390 Information theory

#### Subclass QA

QA1-939 Mathematics
QA1-43 General
QA47-59 Tables

QA71-90 Instruments and machines QA75-76.95 Calculating machines

QA75.5-76.95 Electronic computers. Computer science

QA76.75-76.765 Computer software

QA101-(145) Elementary mathematics. Arithmetic

QA150-272.5 Algebra

QA273-280 Probabilities. Mathematical statistics

QA299.6-433 Analysis

QA440-699 Geometry. Trigonometry. Topology

QA801-939 Analytic mechanics

### Subclass QB

QB1-991 Astronomy QB1-139 General

QB140-237 Practical and spherical astronomy

QB275-343 Geodesy

QB349-421 Theoretical astronomy and celestial mechanics

QB455-456 Astrogeology QB460-466 Astrophysics

QB468-480 Non-optical methods of astronomy

QB495-903 Descriptive astronomy QB500.5-785 Solar system

QB799-903 Stars

QB980-991 Cosmogony. Cosmology

#### Subclass QC

QC1-999 Physics QC1-75 General

QC81-114 Weights and measures

QC120-168.85 Descriptive and experimental mechanics

QC170-197 Atomic physics. Constitution and properties of matter

Including molecular physics, relativity, quantum theory, and

solid state physics

QC221-246 Acoustics. Sound

QC251-338.5 Heat

QC310.15-319 Thermodynamics QC350-467 Optics. Light

QC450-467 Spectroscopy

QC474-496.9 Radiation physics (General) QC501-766 Electricity and magnetism

QC501-(721) Electricity

QC669-675.8 Electromagnetic theory QC676-678.6 Radio waves (Theory) QC701-715.4 Electric discharge

QC717.6-718.8 Plasma physics. Ionized gases

QC750-766 Magnetism

QC770-798 Nuclear and particle physics. Atomic energy. Radioactivity

QC793-793.5 Elementary particle physics

QC794.95-798 Radioactivity and radioactive substances

QC801-809 Geophysics. Cosmic physics

QC811-849 Geomagnetism

QC851-999 Meteorology. Climatology

Including the earth's atmosphere

QC974.5-976 Meteorological optics
QC980-999 Climatology and weather
QC994.95-999 Weather forecasting

#### Subclass OD

QD1-999 Chemistry QD1-65 General

QD71-142 Including alchemy
Analytical chemistry

QD146-197 Inorganic chemistry
QD241-441 Organic chemistry
QD415-436 Biochemistry

QD450-801 Physical and theoretical chemistry

QD625-655 Radiation chemistry
QD701-731 Photochemistry
QD901-999 Crystallography

#### Subclass QE

QE1-996.5	Geology
QE1-350.62	General

Including geographical divisions

QE351-399.2 Mineralogy QE420-499 Petrology

QE500-639.5 Dynamic and structural geology QE521-545 Volcanoes and earthquakes

QE601-613.5 Structural geology

QE640-699 Stratigraphy

QE701-760	Paleontology
QE760.8-899.2	Paleozoology
QE901-996.5	Paleobotany

## Subclass QH

QH1-278.5	Natural history (General)
QH1-(199.5)	General
	Including nature conservation, geographical distribution
QH201-278.5	Microscopy
QH301-705.5	Biology (General)
QH359-425	Evolution
QH426-470	Genetics
QH471-489	Reproduction
QH501-531	Life
QH540-549.5	Ecology

QH573-671 Cytology QH705-705.5 Economic biology

## Subclass QK

QK1-989	Botany
QK1-474.5	General
	Including geographical distribution
QK474.8-495	Spermatophyta. Phanerogams

QK494-494.5 Gymnosperms
QK495 Angiosperms
QK504-(638) Cryptogams
QK640-(707) Plant anatomy
QK710-899 Plant physiology
QK900-989 Plant ecology

## Subclass QL

QL1-991	Zoology
QL1-355	General
	Including geographical distribution

QL360-599.82 Invertebrates QL461-599.82 Insects

QL605-739.8 Chordates. Vertebrates

QL614-639.8 Fishes

QL640-669.3 Reptiles and amphibians

 QL671-699
 Birds

 QL700-739.8
 Mammals

 QL750-795
 Animal behavior

QL791-795 Stories and anecdotes

 QL799-799.5
 Morphology

 QL801-950.9
 Anatomy

 QL951-991
 Embryology

**Subclass QM** 

QM1-695 Human anatomy QM1-511 General

QM531-549 Regional anatomy

QM550-577.8 Human and comparative histology

QM601-695 Human embryology

## Subclass QP

QP1-(981) Physiology QP1-345 General

Including influence of the environment

QP351-495 Neurophysiology and neuropsychology

QP501-801 Animal biochemistry

QP(901)-(981) Experimental pharmacology

## Subclass QR

QR1-502 Microbiology
QR1-74.5 General
QR75-99.5 Bacteria
QR99.6-99.8 Cyanobacteria
QR100-130 Microbial ecology

QR171 Microorganisms in the animal body

QR180-189.5 Immunology QR355-502 Virology

## LIBRARY OF CONGRESS CLASSIFICATION OUTLINE

# CLASS S - AGRICULTURE

# Subclass S

\$1-(972) \$21-400.5 \$403 \$419-482 \$530-559 \$539.5-542.3 \$544-545.53 \$548-548.6 \$550-559 \$560-571.5	Agriculture (General)  Documents and other collections Agricultural missions, voyages, etc. History Agricultural education Research. Experimentation Agricultural extension work Historic farms Exhibitions. Fairs Farm economics. Farm management. Agricultural mathematics Including production standards, record keeping, farmwork rates, marketing
S583-587.73	Agricultural chemistry. Agricultural chemicals
\$588.4-589.6	Agricultural physics
	Including radioisotopes in agriculture
S589.7	Agricultural ecology (General)
\$589.75-589.76	Agriculture and the environment
\$589.8-589.87	Plant growing media. Potting soils
S590-599.9	Soils. Soil science
	Including soil surveys, soil chemistry, soil structure, soil-plant relationships
S600-600.7	Agricultural meteorology. Crops and climate
\$602.5-604.37	Methods and systems of culture. Cropping systems
	Including fallowing, rotation of crops, plowing
\$604.5-604.64	Agricultural conservation
S604.8-621.5	Melioration: Improvement, reclamation, fertilization, irrigation, etc., of lands
S605.5	Organic farming. Organiculture
S606-621.5	Special classes of lands and reclamation methods
	Including woodlands, burning of lands, deserts, saline environments, moors
S622-627	Soil conservation and protection
S631-667	Fertilizers and improvement of the soil
S671-760.5	Farm machinery and farm engineering
\$770-790.3	Agricultural structures. Farm buildings
S900-(972)	Conservation of natural resources
	Including land conservation

# Subclass SB

SB1-1110	Plant culture
SB39	Horticultural voyages, etc.
SB71-87	History
SB107-109	Economic botany

SB109.7-111	Methods for special areas Including cold regions, dry farming, tropical agriculture
SB112	Irrigation farming
SB113.2-118.46	Seeds. Seed technology
SB118.48-118.75	Nurseries. Nursery industry
SB119-124	Propagation
	Including breeding, selection, grafting, air layering
SB125	Training and pruning
SB126	Artificial light gardening
SB126.5-126.57	Hydroponics. Soilless agriculture
SB127	Forcing
SB128	Growth regulators
SB129-130	Harvesting, curing, storage
SB169-172.5	Tree crops
SB175-177	Food crops
SB183-317	Field crops
30103-317	Including cereals, forage crops, grasses, legumes, root crops,
	sugar plants, textile plants, alkaloidal plants, medicinal
	plants
SB317.5-319.864	Horticulture. Horticultural crops
SB320-353.5	Vegetables
SB354-402	Fruit and fruit culture
SB381-386	Berries and small fruits
SB387-399	Grape culture. Viticulture
SB401	Nuts
SB403-450.87	Flowers and flower culture. Ornamental plants
SB406.7-406.83	Plant propagation
SB409-413	Culture of individual plants
SB414	Forcing
SB414.6-417	Greenhouses and greenhouse culture
SB418-418.4	Container gardening
SB419-419.3	Indoor gardening and houseplants
SB419-419.5	Roof gardening and nodseptains  Roof gardening. Balcony gardening
SB421-439.8	Classes of plants
30421-439.0	Including annuals, climbers, ferns, lawns, perennials,
	shrubs
SB441-441.75	Flower shows. Exhibitions
SB442.5	Care and preparation of cut flowers and ornamental plants for
30442.3	market
SB442.8-443.4	Marketing. Cut flower industry. Florists
SB446-446.6	Horticultural service industry
SB447	Preservation and reproduction of flowers, fruits, etc.
SB447.5	Bonkei. Tray landscapes
SB449-450.87	Flower arrangement and decoration
SB450.9-467.8	Gardens and gardening
SB469-(476.4)	Landscape gardening. Landscape architecture
SB481-486	Parks and public reservations
	Including theory, management, history
SB599-990.5	Pests and diseases
SB608	Individual or types of plants or trees
SB610-615	Weeds, parasitic plants, etc.
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SB617-618 Poisonous plants SB621-795 Plant pathology

SB818-945 Economic entomology

SB950-990.5 Pest control and treatment of diseases. Plant protection

SB950.9-970.4 Pesticides SB973-973.5 Soil disinfection

SB974-978 Organic plant protection. Biological control

SB979.5-985 Inspection. Quarantine

SB992-998 Economic zoology applied to crops. Agricultural zoology

Including animals injurious and beneficial to plants

### Subclass SD

SD1-669.5 Forestry

SD11-115 Documents SD119 Voyages, etc.

SD131-247.5 History of forestry. Forest conditions

SD250-363.3 Forestry education

SD388 Forestry machinery and engineering

SD388.5 Tools and implements

SD389 Forest roads SD390-390.43 Forest soils

SD390.5-390.7 Forest meteorology. Forest microclimatology

SD391-410.9 Sylviculture

SD411-428 Conservation and protection

Including forest influences, damage by elements, fires,

forest reserves

SD430-(559) Exploitation and utilization

Including timber trees, fuelwood, logging, transportation,

valuation

SD561-669.5 Administration. Policy

#### Subclass SF

SF1-1100 Animal culture SF41-55 History

SF84-84.64 Economic zoology

SF84.82-85.6 Rangelands. Range management. Grazing

SF87 Acclimatization SF89 Transportation

SF91 Housing and environmental control

SF92 Equipment and supplies

SF94.5-99 Feeds and feeding. Animal nutrition

SF101-103.5 Brands and branding, and other means of identifying

SF105-109 Breeding and breeds

SF111-113 Cost, yield, and profit. Accounting

SF114-121 Exhibitions SF170-180 Working animals

SF191-275 Cattle SF221-250 Dairying

SF250.5-275 Dairy processing. Dairy products

SF277-360.4 SF294.2-297 SF304.5-307 SF308.5-310.5 SF311-312 SF315-315.5 SF321-359.7 SF360-360.4 SF361-361.73 SF362 SF371-379 SF380-388 SF391-397.83 SF402-405 SF405.5-407 SF408-408.6 SF409 SF411-459 SF421-440.2 SF441-450 SF451-455 SF456-458.83 SF459 SF461-473 SF481-507 SF508-(510.6) SF511-511.5 SF512-513 SF512-513 SF515-515.5 SF518 SF521-539.8 SF541-560 SF561 SF600-1100	Horses Horse sports. Horse shows Driving Horsemanship. Riding Draft horses Ponies Racing Feral horses. Wild horses Donkeys Mules Sheep. Wool Goats Swine Fur-bearing animals Laboratory animals Zoo animals Small animal culture Pets Dogs. Dog racing Cats Rabbits and hares Fishes. Aquariums Other animals Birds. Cage birds Poultry. Eggs Game birds Ostrich Ornamental birds Reptiles Insect rearing Bee culture Sericulture. Silk culture Lac-insects Veterinary medicine
SF756.5-769.5	Special preclinical sciences
	Including veterinary genetics, ethology, anatomy,
05700 0 700 7	physiology, embryology, pathology
SF780.2-780.7 SF780.9	Veterinary microbiology, bacteriology, virology, mycology Veterinary epidemiology. Epizootiology
SF781-809	Communicable diseases of animals (General)
SF810	Veterinary parasitology
SF810.5-810.7	Predatory animals and their control
SF811-909	Veterinary medicine of special organs, regions, and systems
SF910 SF910.5	Other diseases and conditions Veterinary orthopedics
SF911-914.4	Veterinary surgery
SF914.3-914.4	Veterinary traumatology. Veterinary emergencies
SF914.5	Veterinary acupuncture
SF915-919.5	Veterinary pharmacology
SF925	Veterinary physical medicine
SF951-997.5	Diseases of special classes of animals

# Subclass SH

SH1-691 SH20.3-191 SH33-134.6 SH138 SH151-179 SH171-179 SH185-191 SH201-399 SH213-216.55 SH219-321 SH327.5-327.7 SH328-329 SH334 SH334.5-334.7 SH334.9-336.5 SH337 SH337.5 SH343.2-343.3 SH343.4 SH343.5 SH343.8 SH343.9	Aquaculture By region or country Mariculture Fish culture Diseases and adverse factors Frogs, leeches, etc. Fisheries By oceans and seas By region or country Fishery resources. Fishery conservation Fishery management. Fishery policy Economic aspects. Finance Fishery technology Fishery processing Packing, transportation, and storage Fishing port facilities Fishery oceanography. Fishery meteorology Fishery research vessels Exploratory fishing Navigation Safety measures
SH344-344.8	Methods and gear. Catching of fish
SH346-351 SH360-363	Fishery for individual species Seal fisheries. Fur sealing
SH364	Sea otter
SH365-380.92 SH381-385	Shellfish fisheries. Shellfish culture Whaling
SH387	Porpoises. Dolphins
SH388.7-391.5	Algae culture
SH393	Seagrasses
SH396	Sponge fisheries
SH400-400.8	Seafood gathering
SH401-691	Angling
	Including tackle, casting, methods of angling, angling for special kinds of fish

# Subclass SK

SK1-664	Hunting sports
SK37-39.5	Shooting
SK40-268	By country
SK281-293	Special methods and types of hunting
	Including bolos, game calling, tracking, trapping, dressing
SK284-287	Fox hunting
SK291-292	Coursing
SK293	Ferreting
SK295-305	Big game

SK311-335	Bird hunting. Fowling
SK336	Varmint hunting (General)
SK337	Predator hunting
SK341	Other game
SK351-579	Wildlife management. Game protection
	Including annual reports of game commissioners
SK590-593	Wild animal trade
SK650-664	Wildlife-related recreation

## LIBRARY OF CONGRESS CLASSIFICATION OUTLINE

# CLASS T - TECHNOLOGY

# Subclass T

T1-995	echnology (General)
T10.5-11.9	Communication of technical information
T11.95-12.5	Industrial directories
T55-55.3	Industrial safety. Industrial accident prevention
T55.4-60.8	Industrial engineering. Management engineering
T57-57.97	Applied mathematics. Quantitative methods
T57.6-57.97	Operations research. Systems analysis
T58.4	Managerial control systems
T58.5-58.64	Information technology
T58.6-58.62	Management information systems
T58.7-58.8	Production capacity. Manufacturing capacity
T59-59.2	Standardization
T59.5	Automation
T59.7-59.77	Human engineering in industry. Man-machine systems
T60-60.8	Work measurement. Methods engineering
T61-173	Technical education. Technical schools
T173.2-174.5	Technological change
T175-178	Industrial research. Research and development
T201-342	Patents. Trademarks
T351-385	Mechanical drawing. Engineering graphics
T391-995	Exhibitions. Trade shows. World's fairs

# Subclass TA

TA1-2040	Engineering (General). Civil engineering (General)
TA164	Bioengineering
TA165	Engineering instruments, meters, etc. Industrial instrumentation
TA166-167	Human engineering
TA168	Systems engineering
TA170-171	Environmental engineering
TA174	Engineering design
TA177.4-185	Engineering economy
TA190-194	Management of engineering works
TA197-198	Engineering meteorology
TA213-215	Engineering machinery, tools, and implements
TA329-348	Engineering mathematics. Engineering analysis
TA349-359	Mechanics of engineering. Applied mechanics
TA365-367	Acoustics in engineering. Acoustical engineering
TA401-492	Materials of engineering and construction. Mechanics of materials
TA495	Disasters and engineering
TA501-625	Surveying
TA630-695	Structural engineering (General)
TA703-712	Engineering geology. Rock mechanics. Soil mechanics.
	Underground construction

TA715-787	Earthwork. Foundations
TA800-820	Tunneling. Tunnels
TA1001-1280	Transportation engineering
TA1501-1820	Applied optics. Photonics
TA2001-2040	Plasma engineering. Applied plasma dynamics

# Subclass TC

TC1-978	Hydraulic engineering
TC160-181	Technical hydraulics
TC183-201	General preliminary operations. Dredging. Submarine building
TC203-380	Harbors and coast protective works. Coastal engineering. Lighthouses
TC401-506	River, lake, and water-supply engineering (General)
TC530-537	River protective works. Regulation. Flood control
TC540-558	Dams. Barrages
TC601-791	Canals and inland navigation. Waterways
TC801-978	Irrigation engineering. Reclamation of wasteland. Drainage
TC1501-1800	Ocean engineering

## Subclass TD

TD1-1066	Environmental technology. Sanitary engineering
TD159-168	Municipal engineering
TD169-171.8	Environmental protection
TD172-193.5	Environmental pollution
TD194-195	Environmental effects of industries and plants
TD201-500	Water supply for domestic and industrial purposes
TD419-428	Water pollution
TD429.5-480.7	Water purification. Water treatment and conditioning. Saline
	water conversion
TD481-493	Water distribution systems
TD511-780	Sewage collection and disposal systems. Sewerage
TD783-812.5	Municipal refuse. Solid wastes
TD813-870	Street cleaning. Litter and its removal
TD878-894	Special types of environment
	Including soil pollution, air pollution, noise pollution
TD895-899	Industrial and factory sanitation
TD896-899	Industrial and factory wastes
TD920-934	Rural and farm sanitary engineering
TD940-949	Low temperature sanitary engineering
TD1020-1066	Hazardous substances and their disposal

# Subclass TE

TE1-450	Highway engineering. Roads and pavements
TE175-176.5	Highway design. Interchanges and intersections
TE177-178.8	Roadside development. Landscaping
TE200-205	Materials for roadmaking
TE206-209.5	Location engineering
TE210-228.3	Construction details

Including foundations, maintenance, equipment

TE250-278.8 Pavements and paved roads

TE279 Streets

TE279.5-298 Pedestrian facilities

TE280-295 Sidewalks. Footpaths. Flagging

TE298 Curbs. Curbstones

#### Subclass TF

TF1-1620 Railroad engineering and operation

TF200-320 Railway construction

TF340-499 Railway equipment and supplies
TF501-668 Railway operation and management

TF670-851 Local and light railways

TF840-851 Elevated railways and subways

TF855-1127 Electric railways

TF1300-1620 High speed ground transporation

#### Subclass TG

TG1-470 Bridge engineering

#### Subclass TH

TH1-9745	Building construction

TH845-895 Architectural engineering. Structural engineering of buildings

TH900-915 Construction equipment in building TH1000-1725 Systems of building construction

Including fireproof construction, concrete construction

TH2025-3000 Details in building design and construction

Including walls, roofs

TH3301-3411 Maintenance and repair

TH4021-4977 Buildings: Construction with reference to use

Including public buildings, dwellings

TH5011-5701 Construction by phase of the work (Building trades)

TH6014-6081 Environmental engineering of buildings. Sanitary engineering of

buildings

TH6101-6887 Plumbing and pipefitting

TH7005-7699 Heating and ventilation. Air conditioning

TH7700-7975 Illumination. Lighting

TH8001-8581 Decoration and decorative furnishings

TH9025-9745 Protection of buildings

Including protection from dampness, fire, burglary

## Subclass TJ

TJ1-1570	Mechanical engineering an	d machinery
131-1370	Mechanical engineering and	

TJ163.13-163.25 Power resources
TJ163.26-163.5 Energy conservation

TJ170-179 Mechanics applied to machinery. Dynamics

TJ181-210 Mechanical movements

TJ210.2-211.47	Mechanical devices and figures. Automata. Ingenious mechanisms. Robots (General)
TJ212-225	Control engineering systems. Automatic machinery (General)
TJ227-240	Machine design and drawing
TJ241-254.7	Machine construction (General)
TJ255-265	Heat engines
TJ266-267.5	Turbines. Turbomachines (General)
TJ268-740	Steam engineering
TJ603-695	Locomotives
TJ751-805	Miscellaneous motors and engines Including gas, gasoline, diesel engines
TJ807-830	Renewable energy sources
TJ836-927	Hydraulic machinery
TJ940-940.5	Vacuum technology
TJ950-1030	Pneumatic machinery
TJ1040-1119	Machinery exclusive of prime movers
TJ1125-1345	Machine shops and machine shop practice
TJ1350-1418	Hoisting and conveying machinery
TJ1425-1475	Lifting and pressing machinery
TJ1480-1496	Agricultural machinery. Farm machinery
TJ1501-1519	Sewing machines
Subclass TK	
TK1-9971	Electrical engineering. Electronics. Nuclear engineering
TK1-9971 TK301-399	Electrical engineering. Electronics. Nuclear engineering Electric meters
TK301-399	Electric meters Electric apparatus and materials. Electric circuits. Electric
TK301-399 TK452-454.4	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central
TK301-399 TK452-454.4 TK1001-1841	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries
TK301-399 TK452-454.4 TK1001-1841 TK2000-2891	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers
TK301-399 TK452-454.4 TK1001-1841 TK2000-2891 TK2896-2985	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion
TK301-399 TK452-454.4  TK1001-1841 TK2000-2891 TK2896-2985 TK3001-3521	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power
TK301-399 TK452-454.4 TK1001-1841 TK2000-2891 TK2896-2985 TK3001-3521 TK4001-4102	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power Applications of electric power
TK301-399 TK452-454.4  TK1001-1841  TK2000-2891  TK2896-2985 TK3001-3521 TK4001-4102 TK4125-4399	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power Applications of electric power Electric lighting Electric heating Telecommunication
TK301-399 TK452-454.4  TK1001-1841  TK2000-2891  TK2896-2985 TK3001-3521 TK4001-4102 TK4125-4399 TK4601-4661 TK5101-6720	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power Applications of electric power Electric lighting Electric heating Telecommunication Including telegraphy, telephone, radio, radar, television
TK301-399 TK452-454.4  TK1001-1841  TK2000-2891  TK2896-2985 TK3001-3521 TK4001-4102 TK4125-4399 TK4601-4661	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power Applications of electric power Electric lighting Electric heating Telecommunication Including telegraphy, telephone, radio, radar, television Electronics
TK301-399 TK452-454.4  TK1001-1841  TK2000-2891  TK2896-2985 TK3001-3521 TK4001-4102 TK4125-4399 TK4601-4661 TK5101-6720  TK7800-8360 TK7885-7895	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power Applications of electric power Electric lighting Electric heating Telecommunication Including telegraphy, telephone, radio, radar, television Electronics Computer engineering. Computer hardware
TK301-399 TK452-454.4  TK1001-1841  TK2000-2891  TK2896-2985 TK3001-3521 TK4001-4102 TK4125-4399 TK4601-4661 TK5101-6720  TK7800-8360	Electric meters  Electric apparatus and materials. Electric circuits. Electric networks  Production of electric energy or power. Powerplants. Central stations  Dynamoelectric machinery and auxiliaries  Including generators, motors, transformers  Production of electricity by direct energy conversion  Distribution or transmission of electric power  Applications of electric power  Electric lighting  Electric heating  Telecommunication  Including telegraphy, telephone, radio, radar, television  Electronics  Computer engineering. Computer hardware  Photoelectronic devices (General)
TK301-399 TK452-454.4  TK1001-1841  TK2000-2891  TK2896-2985 TK3001-3521 TK4001-4102 TK4125-4399 TK4601-4661 TK5101-6720  TK7800-8360 TK7885-7895 TK8300-8360	Electric meters Electric apparatus and materials. Electric circuits. Electric networks Production of electric energy or power. Powerplants. Central stations Dynamoelectric machinery and auxiliaries Including generators, motors, transformers Production of electricity by direct energy conversion Distribution or transmission of electric power Applications of electric power Electric lighting Electric heating Telecommunication Including telegraphy, telephone, radio, radar, television Electronics Computer engineering. Computer hardware

# Subclass TL

TL1-4050	Motor vehicles. Aeronautics. Astronautics
TL1-484	Motor vehicles. Cycles
TL500-777	Aeronautics. Aeronautical engineering
TL780-785.8	Rocket propulsion. Rockets

TL787-4050 Astronautics. Space travel

### Subclass TN

TN1-997 Mining engineering. Metallurgy

TN263-271 Mineral deposits. Metallic ore deposits. Prospecting

TN275-325 Practical mining operations. Safety measures

TN331-347 Mine transportation, haulage and hoisting. Mining machinery

TN400-580 Ore deposits and mining of particular metals

TN600-799 Metallurgy

TN799.5-948 Nonmetallic minerals

TN950-997 Building and ornamental stones

#### Subclass TP

TP1-1185 Chemical technology
TP155-156 Chemical engineering

TP200-248 Chemicals: Manufacture, use, etc.

TP248.13-248.65 Biotechnology

TP250-261 Industrial electrochemistry
TP267.5-301 Explosives and pyrotechnics

TP315-360 Fuel

TP368-456 Food processing and manufacture

TP480-498 Low temperature engineering. Cryogenic engineering.

Refrigeration

TP500-660 Fermentation industries. Beverages. Alcohol

TP670-699 Oils, fats, and waxes

TP690-692.5 Petroleum refining. Petroleum products

TP700-746 Illuminating industries (Nonelectric)

TP751-762 Gas industry

TP785-869 Clay industries. Ceramics. Glass

TP875-888 Cement industries

TP890-933 Textile bleaching, dyeing, printing, etc.

TP934-945 Paints, pigments, varnishes, etc.
TP1080-1185 Polymers and polymer manufacture

### Subclass TR

TR1-1050	Photography
TR250-265	Cameras

TR287-500 Photographic processing. Darkroom technique

TR504-508 Transparencies. Diapositives

TR510-545 Color photography TR550-581 Studio and laboratory

TR590-620 Lighting

TR624-835 Applied photography

Including artistic, commercial, medical photography,

photocopying processes

TR845-899 Cinematography. Motion pictures

TR925-1050 Photomechanical processes

# Subclass TS

TS1-2301	Manufactures
TS155-194	Production management. Operations management
TS195-198.8	Packaging
TS200-770	Metal manufactures. Metalworking
TS780-788	Stonework
TS800-937	Wood technology. Lumber
TS840-915	Wood products. Furniture
TS920-937	Chemical processing of wood
TS940-1047	Leather industries. Tanning
TS1060-1070	Furs
TS1080-1268	Paper manufacture and trade
TS1300-1865	Textile industries
TS1870-1935	Rubber industry
TS1950-1982	Animal products
TS2120-2159	Cereals and grain. Milling industry
TS2220-2283	Tobacco industry
TS2284-2288	Animal feeds and feed mills. Pet food industry

# Subclass TT

TT1-999	Handicrafts. Arts and crafts
TT161-170.7	Manual training. School shops
TT174-176	Articles for children
TT180-200	Woodworking. Furniture making. Upholstering
TT201-203	Lathework. Turning
TT205-267	Metalworking
TT300-382.8	Painting. Wood finishing
TT387-410	Soft home furnishings
TT490-695	Clothing manufacture. Dressmaking. Tailoring
TT697-927	Home arts. Homecrafts
	Including sewing, embroidery, decorative crafts
TT950-979	Hairdressing. Beauty culture. Barbers' work
TT980-999	Laundry work

# Subclass TX

TX1-1110	Home economics
TX301-339	The house
	Including arrangement, care, servants
TX341-641	Nutrition. Foods and food supply
TX642-840	Cookery
TX851-885	Dining-room service
TX901-946.5	Hospitality industry. Hotels, clubs, restaurants, etc. Food service
TX950-953	Taverns, barrooms, saloons
TX955-985	Building operation and housekeeping
TX1100-1105	Mobile home living
TX1110	Recreational vehicle living