

600

600 Technology (Applied sciences)

Class here inventions

See also 303.48 for technology as a cause of cultural change; also 306.4 for sociology of technology; also 338.1–338.4 for economic aspects of industries based on specific technologies; also 338.9 for technology transfer, appropriate technology

See Manual at 300 vs. 600; also at 363 vs. 302–307, 333.7, 570–590, 600; also at 363.1 vs. 600; also at 583–585 vs. 600

SUMMARY

601–609	Standard subdivisions and technical drawing, hazardous materials technology, patents
610	Medicine and health
620	Engineering and allied operations
630	Agriculture and related technologies
640	Home and family management
650	Management and auxiliary services
660	Chemical engineering and related technologies
670	Manufacturing
680	Manufacture of products for specific uses
690	Construction of buildings

601 Philosophy and theory

602 Miscellany

Do not use for patents; class in 608

Class interdisciplinary works on trademarks and service marks in 929.9

Interdisciplinary collections of standards relocated to 389

.9 Commercial miscellany

Class commercial miscellany of products and services used in individual and family living in 640.29; class commercial miscellany of manufactured products in 670.29; class interdisciplinary commercial miscellany in 381.029

603 Dictionaries, encyclopedias, concordances

604 Technical drawing, hazardous materials technology; groups of people

.2 Technical drawing

Including arrangement and organization of drafting rooms, preservation and storage of drawings; specific drafting procedures and conventions (e.g., production illustration, dimensioning; lettering, titling; shades, shadows, projections); preparation and reading of copies

Class here engineering graphics, mechanical drawing

For architectural drawing, see 720.28. For technical drawing in a specific subject, see the subject, e.g., map drawing 526, electronic drafting 621.381

See also 006.6 for computer graphics

.7 Hazardous materials technology

Methods of extracting, manufacturing, processing, utilizing, handling, transporting, storing solids, liquids, gases of corrosive, explosive, flammable, infectious, radioactive, toxic nature

Class interdisciplinary works on hazardous materials in 363.17. Class technology of a specific hazardous material with the technology, e.g., explosives 662; class safety techniques for a specific application of hazardous materials with the application outside 300, plus notation 028 from Table 1, e.g., safety techniques in working with hazardous paving materials 625.8028 (*not* 363.17)

See Manual at 604.7 vs. 660

.8 Groups of people

Add to base number 604.8 the numbers following —08 in notation 081–089 from Table 1, e.g., women 604.82

605 Serial publications**606 Organizations****[.8] Management**

Do not use; class in 658

607 Education, research, related topics

Class commercial aspects of fairs and exhibitions in 381; class interdisciplinary works on fairs and exhibitions in 907.4

.2 Research

Class here industrial research, products research

Class product planning in management, management of research for new and improved products in 658.5

[.4-.9] Museums, collections, exhibits; museum activities and services; review and exercise; use of apparatus and equipment in study and teaching; competitions, awards, financial support

Do not use; class in 607

608**Patents**

Do not use for history and description of technology with respect to groups of people; class in 604.8

Class here interdisciplinary collections of patents

Class interdisciplinary works on patents in 346.04

For patents in a specific subject, see the subject, plus notation 02 from Table 1, e.g., patents in chemical engineering 660.02

Use of this number for inventions discontinued; class in 600

[.09] History, geographic treatment, biography

Do not use for history and geographic treatment; class in 608.7

[.092] Biography

Do not use; class in 609.2

.7 History and geographic treatment

[.701–.708] Standard subdivisions

Do not use; class in 608.01–608.08

[.709] History, geographic treatment, biography

Do not use for historical and geographic treatment; class in 608.7

[.709 2] Biography

Do not use; class in 609.2

.71 Areas, regions, places in general; oceans and seas

Add to base number 608.71 the numbers following —1 in notation 11–18 from Table 2, e.g., patents from developing regions 608.7172

[.72] Biography of inventors, of patentees

Relocated to 609.2

.73–.79 Specific continents, countries, localities

Add to base number 608.7 notation 3–9 from Table 2, e.g., patents from Brazil 608.781

609 History, geographic treatment, biography

Class here technological aspects of industrial archaeology

Class history and geographic treatment of production and economic aspects of industrial archaeology in 338.09; class history of industrial archaeology in 900

See Manual at 300 vs. 600: Interdisciplinary works

.2 Biography

Class here biography of inventors, of patentees [*both formerly also 608.72*]

610 Medicine and health

Standard subdivisions are added for medicine and health together, for medicine alone

Class here technology of medical services

Class social welfare problems of and services to people with physical illness, interdisciplinary works on social provision of medical services and technology of medical services in 362.1; class home care by nonprofessionals of people with illnesses and disabilities in 649.8

For veterinary medicine, see 636.089

See Manual at 362.1–362.4 vs. 610; also at 571–573 vs. 610; also at 610 vs. 616

SUMMARY

- 610.1–9** [Standard subdivisions; medical personnel and relationships; nursing; services of allied health personnel]
- 611** Human anatomy, cytology, histology
- 612** Human physiology
- 613** Personal health and safety
- 614** Forensic medicine; incidence of injuries, wounds, disease; public preventive medicine
- 615** Pharmacology and therapeutics
- 616** Diseases
- 617** Surgery, regional medicine, dentistry, ophthalmology, otology, audiology
- 618** Gynecology, obstetrics, pediatrics, geriatrics

[.23] Medicine and health as a profession, occupation, hobby

Do not use; class in 610.69

.28 Auxiliary techniques and procedures; apparatus, equipment, materials

Class here comprehensive works on biomedical engineering

For biological aspects of biomedical engineering, see 570.28

.6 Organizations, management; medical personnel and relationships

Notation 06 from Table 1 as modified below

Including group practice

Class economics of group practice in 338.7–338.8; class social aspects in 362.1

.69

Medical personnel and relationships

Standard subdivisions are added for medical personnel and relationships together, for medical personnel alone

Nature of duties, characteristics of the professions of medical personnel

Class here medical missionaries

Class medical secretaries in 651.3; class medical records librarians in 651.5.

Class critical appraisal and description of work, individual and collected

biographies with the specialty, plus notation 092 from Table 1, e.g.,

biography of psychiatrists 616.890092; class nature of duties, characteristics

of profession, relationships of medical personnel of a specific specialty with

the specialty, e.g., obstetricians, obstetrical nurses 618.2

For allied health personnel, see 610.73; for nursing personnel, see 610.7306

.7

Education, research, nursing, services of allied health personnel

Notation 07 from Table 1 as modified below

.72

Research

Including comprehensive works on experimental biomedical research

For experimental biology, see 570.72; for clinical trials, see 615.5072; for experimental medicine, see 616.02

.73

Nursing and services of allied health personnel

Standard subdivisions are added for nursing and services of allied health personnel together, for nursing alone

Including specific kinds of nursing (e.g., private duty nursing, institutional nursing and ward management, public health nursing, long-term care nursing); services of medical assistants, medical technicians

Class here comprehensive works on the nursing process; comprehensive works on nursing care plans, on nursing interventions so long as the works cover both diagnosis and therapy

Class nonmedical aspects of ward management in 362.17; class home nursing by nonprofessionals in 649.8

For school nursing, see 371.7; for forensic nursing, see 614; for patient education by nurses, see 615.5071. For a specific part of the nursing process, a specific part of a nursing care plan, a specific type of nursing intervention, a specific part of the work of allied health personnel, see the part or type in 614–618, e.g., vaccinations provided by nurses 614.4, exercise therapy provided by nurses or medical technicians 615.8, nursing assessment and nursing diagnosis 616.07; for nursing or services of allied health personnel for a specific disease or group of diseases or a specific medical specialty, see the disease or group of diseases or medical specialty in 616–618, e.g., a work about cancer nursing 616.99, a work about geriatric nursing or services of medical technicians with respect to geriatric patients 618.97

[.730 23]

Nursing and work of allied health personnel as a profession, occupation, hobby

Do not use; class in 610.7306

- .730 6 Organizations and management
Including nursing personnel; comprehensive works on nursing personnel and allied health personnel
- Class allied health personnel, physician assistants, registered nursing assistants in 610.73; class comprehensive works on techniques of nursing operations in 610.73
- .730 68 Management
Do not use for management of services of nurses; class in 362.17
- .92 Biography

See Manual at 610.92 vs. 615.5

611 Human anatomy, cytology, histology

Standard subdivisions are added for human anatomy, cytology, histology together; for human anatomy alone

Including gross anatomy of specific systems and organs (e.g., cardiovascular organs; respiratory organs; digestive tract organs; hematopoietic, lymphatic, glandular systems; urogenital system; musculoskeletal system, integument; nervous system); anatomic embryology, cytology, histology; regional and topographical anatomy

For pathological anatomy, see 616.07

See Manual at 599.9 vs. 611; also at 612 vs. 611

Histology of blood relocated to 612.1; histology of lymph relocated to 612.4; cartilage tissues, bone tissues, muscle tissues relocated to 612.7; nerve tissues relocated to 612.8; cytology and cells of specific systems and organs, connective tissues of specific systems and organs, histology and tissues of specific systems and organs, comprehensive works on gross anatomy and tissue structure of specific systems and organs relocated to 612.1–612.8; cytology and cells of specific regions, connective tissues of specific regions, epithelial tissues of specific regions, histology and tissues of specific regions, comprehensive works on gross anatomy and tissue structure of specific regions relocated to 612.9

- .001–.009 Standard subdivisions

612**Human physiology**

Including biophysics and biochemistry; control processes and tissue and organ culture; physiology of specific activities; comprehensive works on the physiology of physical movements in relation to multiple physiological systems

Class here comprehensive works on human anatomy and physiology

Class physiological psychology in 152; class energy metabolism, vitamins in 612.3; class hormones in 612.4; class biochemistry of skin pigmentation in 612.7; class radiation sickness and radiation injuries, space medicine in 616.9

For human anatomy, cytology, histology, physiological genetics, nucleic acids, see 611; for pathological physiology, see 616.07. For physiology of physical movements in relation to a specific system, see the system, e.g., musculoskeletal system 612.7; for a specific application of radiometry, see the application, e.g., use of radiometry in radiotherapy 615.8, use for prevention of diseases due to radiation 616.9

See Manual at 612 vs. 611; also at 613 vs. 612, 615.8; also at 616 vs. 612

.001–.009 Standard subdivisions

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612.1–612.8 Specific functions, systems, organs

Class here cytology and cells of specific systems and organs, connective tissues of specific systems and organs, histology and tissues of specific systems and organs, comprehensive works on gross anatomy and tissue structure of specific systems and organs [*all formerly 611*]

Class comprehensive works in 612

.1

Circulatory system

Including histology of blood [*formerly 611*]; blood; cytology of blood; blood chemistry; blood vessels; vascular circulation; blood pressure; heart; vasomotors

Class here cardiovascular system, circulation

Class hematopoietic system in 612.4; class blood transfusion, blood plasma transfusion in 615.3; class comprehensive works in 612

For lymphatic system, see 612.4. For circulation in a specific system or organ, see the system or organ, e.g., brain 612.8

.2

Respiratory system

Including biophysics; respiratory mechanics; biochemistry; nose, paranasal sinuses, larynx, trachea, bronchi; lungs; pleura, diaphragm, mediastinum; tissue respiration; innervation of respiratory system

Class here respiration

For physiology of glottis as an organ of speech, see 612.7; for physiology of the nose as an olfactory organ, see 612.8

.3 Digestive system

Including mouth and esophagus; stomach; comprehensive works on gastrointestinal organs and secretions; intestine; pancreas; biliary tract and liver; large intestine; absorption; metabolism

Class here digestion, nutrition

Class bioenergetics, biosynthesis in 612; class glycemic index as dietetic guide in 613.2; class electrolytic, fluid balance; comprehensive works on fluid metabolism in 612

For physiology of tongue as a gustatory organ, see 612.8; for dietetics and applied nutrition, see 613.2; for metabolism of drugs, see 615.7; for metabolism of toxic substances, see 615.9. For metabolism within a specific function, system, or organ, see the function, system, or organ, e.g., metabolism of plasma 612.1

.4 Hematopoietic, lymphatic, glandular, urinary systems

Including histology of lymph [*formerly 611*]; hormones; spleen and bone marrow; hematopoiesis, comprehensive works on hematopoietic (blood-forming, hemopoietic) system; lymphatic system; lymph; thymus gland; thyroid and parathyroid glands; adrenal glands; urinary system; comprehensive works on excretion, excretory system; carotid body; pituitary and pineal glands

Class here endocrine system, exocrine glands, secretion

For liver, defecation, see 612.3. For glands and glandular activity in a specific system or organ, see the system or organ, e.g., salivary glands 612.3, mammary glands and lactation 612.6

.400 1-.400 9 Standard subdivisions

.6 Reproduction, development, maturation

Including postnatal development (e.g., child development, adult development and maturity, aging); male reproductive system; female reproductive system; pregnancy and childbirth; physiology of embryo and fetus; comprehensive works on embryology; longevity factors

Class here genital system, comprehensive medical works on sex

Class comprehensive works on pregnancy and childbirth in 618.2; class interdisciplinary works on sex in 306.7

For anatomic embryology, see 611. For postnatal development of a specific system, organ, region, see the system, organ, region, e.g., postnatal development of teeth 612.3; for a specific aspect of sex, see the aspect, e.g., sexual disorders 616.6

.7 Musculoskeletal system, integument

Standard subdivisions are added for musculoskeletal system, integument together; for musculoskeletal system alone

Including cartilage tissues, bone tissues, muscle tissues [*all formerly 611*]; muscles; bones, joints, connective tissues; locomotion, exercise, rest; voice and speech; organs of speech; integumentary system, skin

Class total physiology of physical movements (including muscle contractions, breathing, blood flow, digestion during exercise) in 612; class bone marrow in 612.4; class neurolinguistics in 612.8; class comprehensive works on histology of connective tissues in 611. Class muscles of a specific system or organ with the system or organ, e.g., cardiac muscles 612.1, eye muscles 612.8

For mastoid processes, ossicles, see 612.8

.8 Nervous system

Including nerve tissues [*formerly 611*]; special topics of nervous functions (e.g., neurochemistry, biophysics of nervous system); nerves and nerve fibers; peripheral nervous system; central nervous system; brain; spinal cord; eyes; eyeballs, physiological optics, vision; ears; hearing; nose; chemical senses, smelling; tongue; tasting; other sensory organs; autonomic nervous system

Class here neurophysiology, psychophysiology, sense organs, sensory functions

Class comprehensive works on physiology of nose in 612.2; class comprehensive works on physiology of the tongue in 612.3; class effect of sleep on other psychological activity, interdisciplinary works on sleep, dreams as phenomena that have meaning in themselves or in the life of the dreamer, interdisciplinary works on dreams in 154.6

For innervation and neural activity in a specific system or organ, see the system or organ, e.g., heart innervation 612.1

See Manual at 612.8 vs. 152

.9 Regional physiology

Including cytology and cells of specific regions, connective tissues of specific regions, epithelial tissues of specific regions, histology and tissues of specific regions, comprehensive works on gross anatomy and tissue structure of specific regions [*all formerly 611*]; back

Class physiology, cytology, histology of specific systems and organs in specific regions in 612.1–612.8

613**Personal health and safety**

Standard subdivisions are added for personal health and safety together, for personal health alone

Including personal health of people by gender, sex, or age group; comprehensive works on personal health and safety of specific gender, sex, and age groups; environmental factors; acclimatization, comprehensive works on personal environmental health; personal cleanliness and related topics; artificial environments

Class here measures to promote health and prevent disease taken by individuals and their medical advisers, comprehensive medical works on personal and public measures to promote health and prevent disease

Class industrial and occupational health, travel health, survival in 613.6; class personal safety of specific gender, sex, and age groups in 613.6081–613.6084; class breathing exercises in respiratory therapy in 615.8; class toxicology in 615.9; class clothing selection and dressing with style in 646; class cosmetics in grooming in 646.7; class comprehensive works on exercises in 613.7

For public measures to promote health and prevent disease, see 614; for personal measures to prevent poisoning, environmental toxicology, see 615.9; for environmental diseases, see 616.9. For personal measures to prevent a specific disease or group of diseases, see the disease or group of diseases in 616–618, e.g., personal measures to prevent cardiovascular diseases 616.1

See Manual at 613 vs. 612, 615.8

[.081–.084] People by gender, sex, or age group

Do not use; class in 613

.2**Dietetics**

Including calories; calorie counters; weight-gaining diet; weight-losing diet (reducing diet); caloric restriction, low-calorie diet; specific dietary regimens; specific nutritive elements (e.g., proteins, carbohydrates, fats and oils, minerals, vitamins, water)

Class here applied nutrition; guides to nutritional aspects of food, of beverages; comprehensive works on personal health aspects of food, of beverages

Class human nutritional requirements considered in relation to physiological processes and the role of nutrients in the body, physiology of carbohydrate metabolism in 612.3; class personal aspects of preventing alcohol abuse in 613.81; class diet therapy in 615.8; class diet therapy for obesity in 616.3; class nutritive values of specific beverages in 641.2; class nutritive values of specific foods in 641.3; class comprehensive works on diet and physical fitness, comprehensive works on exercise and diet for weight loss in 613.7; class interdisciplinary works on food safety in 363.19; class interdisciplinary works on breast feeding in 649. Class diets to prevent a specific disease with the disease, e.g., diets to prevent hypertension 616.1

For a specific medical aspect of breast feeding not provided for here, see the aspect, e.g., prolactin and physiology of human lactation 612.6

See also 616.3 for conditions resulting from nutritional deficiencies; also 641.5 for cooking for preventive and therapeutic diets

See Manual at 363.8 vs. 613.2, 641.3

- .208 2 Women
 Class dietetics for nursing women in 613.2; class dietetics for pregnant women in 618.2
- .208 3 Young people
 Class breast feeding in 613.2; class home economics and child-rearing aspects of feeding children, interdisciplinary works on feeding children in 649
- .208 5 Relatives
 Class dietetics for nursing mothers in 613.2

.6 Personal safety and special topics of health

Standard subdivisions are added for personal safety and special topics of health together, for personal safety alone

Including industrial and occupational health; self-defense; prevention of violent crimes for individuals; travel health; survival; survival housekeeping

Class here accident prevention for individuals, crime prevention for individuals

Class social services to victims of crimes in 362.88; class public safety programs, interdisciplinary works on safety in 363.1; class works on why individuals become victims of specific crimes in 364.1; class works on why people become victims of specific violent crimes in 364.15; class crime prevention for society as a whole in 364.4; class martial arts for self-defense, interdisciplinary works on martial arts in 796.8. Class survival as a safety aspect of a specific sport with the sport in 796, plus notation 028 from Table 1, e.g., survival as a safety aspect of mountaineering 796.522028

For prevention of identity theft, see 332.024; for household security, see 643. For personal safety in a specific field, see the field, plus notation 028 from Table 1, e.g., personal safety in recreational boating 797.1028

.7 Physical fitness

Including special topics of physical fitness (e.g., physical fitness of children, physical fitness of young people twelve to twenty, physical fitness of adults, physical fitness of adult women, physical yoga); exercise and sports activities; aerobic exercise, comprehensive works on care of physique and form; massage; massage for health, fitness, relaxation; correct posture; relaxation, rest, sleep

Class here comprehensive works on diet and physical fitness

Class breathing exercises, breathing for relaxation in 613; class therapeutic massage, interdisciplinary works on massage in 615.8; class exercise therapy for obesity in 616.3; class exercises to aid childbirth, exercise for pregnant women in 618.2; class parental supervision of children's exercise and sports activities in 649; class exercise and sports activities as recreation in 796; class comprehensive works on physiological processes of exercise and sports in 612

For diet, diet for weight loss, see 613.2; for weight lifting as a sport, bodybuilding contests, see 796.41

[.708 1–.708 4] People by gender, sex, or age group

Do not use; class in 613.7

.8 Substance abuse (Drug abuse)

Only personal preventive aspects

Including abuse of analgesics, depressants, inhalants, sedatives, tranquilizers; narcotics, hallucinogens, psychedelics, cannabis; stimulants and related substances

Class here appeals to the individual to avoid substance abuse for health reasons

Class nicotine in 613.85; class comprehensive medical works on addictive drugs in 615.7; class stopping substance abuse, comprehensive medical works on substance abuse as a disease in 616.86; class interdisciplinary works on substance abuse in 362.29

.81 Alcohol**.85 Tobacco**

Class smoking cessation in 616.86

.9 Birth control, reproductive technology, sex hygiene, sexual techniques

Including sexual abstinence as a method of birth control and disease prevention; birth control and reproductive technology; family planning; techniques for disease prevention; techniques for enhancing sexual enjoyment

Class comprehensive medical works on human reproductive technology in 616.6; class comprehensive works on surgical methods of birth control for males in 617.4; class comprehensive medical works on birth control and family planning, comprehensive works on surgical methods of birth control for females in 618.1; class interdisciplinary works on birth control and family planning in 363.9

.907 1 Education

Class sex education of children in the home in 649

614 Forensic medicine; incidence of injuries, wounds, disease; public preventive medicine

Including forensic pathology, medical jurisprudence; disposal of the dead

Class social provision for public health services other than those concerned with incidence and prevention of disease in 362.1; class public safety programs and social provision for prevention of injuries in 363.1; class environmental problems and services, social aspects and services in 363.7; class incidence of injuries and wounds of a specific system, region, organ in 614.5; class incidence of poisoning in 615.9

.4

Incidence of and public measures to prevent disease

Including control of disease-carrying pests [*formerly also* 628.9]; specific preventive measures (e.g., patient isolation, quarantine, immunization, disinfection, fumigation, sterilization); prevalence; health surveys, medical geography; disease vectors and disease transmission by water; public preventive medicine

Class here epidemiology

Class medical microbiology of waterborne pathogens in 616.9; class comprehensive works on water supply in 363.6

For incidence of and public measures to prevent specific diseases and kinds of diseases, see 614.5

See also 353.5 for registration and certification of births and deaths

See Manual at 614.4; also at 362.1–362.4 and 614.4–614.5

.409

History, geographic treatment, biography

Class geographic treatment of incidence of diseases, history of epidemics in 614.4

.5

Incidence of and public measures to prevent specific diseases and kinds of diseases

Including salmonella infections, bacillary diseases, clostridium infections, diphtheria, cholera, dysenteries, influenza; smallpox, scarlet fever, measles, rubella, chickenpox, rickettsial diseases; protozoan infections; miscellaneous diseases (limited to yellow fever, tuberculosis, whooping cough [pertussis], mumps, puerperal septicemia and pyemia, Hansen's disease [leprosy], sexually transmitted diseases, poliomyelitis); parasitic diseases and diseases due to fungi (mycoses); zoonoses; bacterial diseases; comprehensive works on gram-negative bacterial infections; virus diseases; diseases of regions, systems, organs; other diseases; incidence of injuries and wounds of specific regions, systems, organs

Class incidence of and public measures to prevent mental and emotional illnesses and disturbances in 362.2; class public programs to control cancer-causing agents in 363.17; class public programs to control carcinogens in food in 363.19; class incidence of injuries and wounds in 614; class comprehensive works on nutrition surveys in 363.8; class comprehensive works on incidence of injuries and wounds in 614

See Manual at 362.1–362.4 and 614.4–614.5

615**Pharmacology and therapeutics**

Including prescription filling; drug compounding closely associated with filling prescriptions; methods of administering drugs; drug administration routes

Class methods of administering a specific drug or group of drugs in 615.2–615.3; class comprehensive works on pharmacology, comprehensive works on pharmacy in 615.1; class comprehensive works on therapeutics in 615.5. Class general works on a specific type of therapy with the therapy, e.g., drug therapy 615.5, inhalation therapy 615.8

SUMMARY

615.1	Drugs (Materia medica)
.2	Inorganic drugs
.3	Organic drugs
.5	Therapeutics
.7	Pharmacokinetics
.8	Specific therapies and kinds of therapies
.9	Toxicology

.1 Drugs (Materia medica)

Substances used for diagnosis, cure, mitigation, treatment, or prevention of disease

Including pharmacopoeias; formularies; dispensatories; prescription writing; dosage determination, posology; drug preservation techniques; packaging designed to preserve drug quality and potency; pharmaceutical chemistry; drug design, drug development, pharmaceutical technology, comprehensive works on drug compounding

Class here patent medicines, pharmacology, pharmacy

Class practical pharmacy, drug compounding closely associated with dispensing in 615; class drug therapy, clinical drug trials in 615.5; class toxicity testing of drugs in 615.7

For specific drugs and groups of drugs, see 615.2–615.3; for physiological and therapeutic action of drugs, see 615.7

See Manual at 615.1 vs. 615.2–615.3; also at 615.1 vs. 615.7

.101 Philosophy and theory

Do not use for arithmetic, chemistry; class in 615.1

.107 Education, research, related topics

.107.2 Research

Do not use for experimental research in development and manufacture of drugs; class in 615.1

Including experimental research on new drugs before they are ready for clinical trials, e.g., testing on cells in vitro or on animals; comprehensive works on drug testing

For clinical drug trials, see 615.5

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615.2–615.3 Specific drugs and groups of drugs

Class here pharmaceutical chemistry, preservation, general therapeutics

Class a specific drug or group of drugs affecting a specific system in 615.7; class comprehensive works in 615.1

See Manual at 615.1 vs. 615.2–615.3; also at 615.2–615.3 vs. 615.7

.2 Inorganic drugs

Class use of radioactive elements, of radioisotopes in 615.8

.3 Organic drugs

Including synthetic drugs; drugs derived from plants and microorganisms (e.g., drugs derived from bryophytes; vitamins; drugs derived from fungi, algae); fish-liver oils; enzymes; drugs of animal origin; drugs of animal origin prepared by recombinant DNA technology, hormones; immunologic drugs and immune serums; antitoxins, immune gamma globulins, immunoglobulins; human blood products and their substitutes

Class use of vaccines in 614.4; class use of specific vaccines, e.g., use of influenza vaccines, in 614.5

.5 Therapeutics

Including general therapeutic systems; pediatric and geriatric therapeutics; drug therapy; chemotherapy

Class here comprehensive works on alternative therapies, on iatrogenic diseases, on patient compliance, on placebo effect

Class works on alternative medicine that include pathology and etiology in addition to therapeutics in 610 (or, if arranged by kind of disease, in 616); class methods of administering drugs, chemical analysis of drugs in 615; class general therapeutics of a specific drug or group of drugs in 615.2–615.3; class adolescent therapeutics in 615.50835; class toxicity testing of drugs in 615.7; class comprehensive works on osteopathy as a medical science in 610. Class therapies applied to a specific disease or group of diseases with the disease or group of diseases in 616–618, e.g., therapies for cardiovascular diseases 616.1; class clinical trials for drugs for specific diseases or groups of diseases with the disease or group of diseases in 616–618, e.g., clinical trials of drugs for cancer 616.99; class a specific application of osteopathy with the application, e.g., osteopathic discussion of thyroid diseases 616.4

For specific therapies and kinds of therapies other than drug therapy, chemotherapy, see 615.8; for emergency care, intensive care, palliative and terminal care, see 616.02. For a specific aspect of pediatric or geriatric therapeutics, see the aspect, e.g., toxicity testing of drugs in children, in people in late adulthood 615.7; for a specific occurrence of iatrogenic diseases, patient compliance, placebo effect, see the occurrence, e.g., drug interactions not anticipated by a doctor 615.7, surgical infections 617.9

See Manual at 615.5; also at 610.92 vs. 615.5

.501 Philosophy and theory

Do not use for psychological principles; class in 615.8

.507 Education, research, related topics

.507 1 Education

Class here comprehensive works on patient education

For patient education on a specific topic, see the topic, plus notation 071 from Table 1, e.g., patient education about diseases of cardiovascular system 616.10071

.507 2

Research

Including comprehensive works on clinical trials

For clinical trials of diagnostic procedures, see 616.07. For clinical trials of a specific therapy, see the therapy, e.g., clinical trials of nutrition therapy 615.8; for clinical trials of therapies for a specific disease or group of diseases, see the disease or group of diseases in 616–618, plus notation 072 from Table 1, e.g., clinical trials of therapies for diseases of respiratory system 616.20072

.508

Groups of people

.508 3

Young people

Do not use for therapeutics for infants and children up to puberty, comprehensive works on child and adolescent therapeutics; class in 615.5

.508 35

Young people twelve to twenty

Do not use for therapeutics for young people twelve to twenty who have not reached puberty; class in 615.5

Class here therapeutics for adolescents

.508 4

People in specific stages of adulthood

Do not use for people in late adulthood; class in 615.5

.7

Pharmacokinetics

Including special effects and actions of drugs; adverse reactions, toxic reactions; drugs affecting cardiovascular and hematopoietic systems; drugs affecting respiratory system; drugs affecting digestive system and metabolism; drugs affecting lymphatic and glandular systems; drugs affecting urogenital system; drugs affecting musculoskeletal system, integument; drugs affecting nervous system; addictive drugs, psychopharmacology; miscellaneous classes of drugs (limited to anti-infective agents, anti-inflammatory agents, anti-allergic agents, antineoplastic agents)

Class here biopharmaceutics, pharmacodynamics

Class personal aspects of preventing drug addiction in 613.8; class drug therapy for mental disorders in 616.89; class drug allergies in 616.97; class comprehensive medical works on addictions as diseases in 616.86; class interdisciplinary works on drug addiction in 362.29; class interdisciplinary works on antibiotics in 615.3. Class use of a drug to treat a specific disease or group of diseases with the disease or group of diseases in 616–618, e.g., drug treatment for diseases of liver 616.3

For toxicology, see 615.9

See Manual at 615.1 vs. 615.7; also at 615.2–615.3 vs. 615.7; also at 615.7 vs. 615.9

.8 Specific therapies and kinds of therapies

Including physical therapies; physiotherapy, therapeutic manipulations and exercises; phototherapy, thermotherapy, climatotherapy, respiratory therapy; therapeutic use of sound; radiotherapy, electric stimulation therapy, magnetotherapy; miscellaneous therapies (limited to psychological and activity therapies, religious and psychic therapies, hydrotherapy and balneotherapy, nutrition therapy, parenteral therapy, controversial and spurious therapies); traditional remedies; folk remedies, home remedies; other therapies (e.g., acupuncture, gene therapy)

Class works on traditional medicine that include pathological or etiological beliefs in 610 (or, if arranged by class of disease, in 616); class aromatherapy in 615.3; class theoretical works on traditional general therapeutic systems, comprehensive works on specific therapies and kinds of therapies in 615.5; class comprehensive works on psychotherapy in 616.89. Class a specific kind of traditional remedy with the kind, e.g., medicinal herbs 615.3; class works that focus on the therapy animal and training it for therapeutic use with the animal in 636, e.g., training therapy dogs 636.7

For massage for health and fitness, see 613.7; for drug therapy, see 615.5; for surgery, cryosurgery, see 617. For diet therapy emphasizing a single food, see the food as a type of drug in 615.3, e.g., a diet emphasizing soy 615.3; for a specific kind of parenteral therapy, see the kind, e.g., parenteral drug therapy 615.5

See Manual at 615.8; also at 613 vs. 612, 615.8; also at 615.8 vs. 203, 234, 292–299

[.801–.809] Standard subdivisions

Do not use; class in 615.501–615.509

.9 Toxicology

Including industrial toxicology; environmental toxicology; incidence of poisoning; prevention of poisoning; tests, analysis, detection of poisons and poisoning; diagnoses and prognoses of poisoning; treatment of poisoning; antidotes; gaseous poisons; lethal gases; inorganic poisons; animal poisons; organic poisons

Class here poisons and poisoning

Class public safety programs and social provision for prevention of poisoning in 363.17; class forensic toxicology in 614; class toxic reactions and interactions of drugs in 615.7; class environmental diseases, environmental medicine in 616.9. Class effects of poisons on a specific system or organ with the system or organ in 616–618, e.g., effect of poisons on the liver 616.3; class comprehensive medical works on a specific type of communicable disease that involves poisons with the type of disease in 616.9, e.g., salmonella infections 616.9

For radiation poisoning, see 616.9

- .900 1 Philosophy and theory
- .900 2 Miscellany
- .900 28 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing and measurement; class in 615.9

.900 3-.900 9 Standard subdivisions

616 Diseases

Including special medical conditions (e.g., genetic diseases [hereditary diseases], congenital diseases, chronic diseases, symptoms and general pathological processes as problems in their own right); case histories

Class here clinical medicine, evidence-based medicine, internal medicine

Class immunogenetics, interpretation of symptoms for diagnosis and prognosis in 616.07; class headaches in 616.8; class infections in 616.9; class results of injuries and wounds in 617.2; class surgical complications and sequelae in 617.9. Class symptoms and pathological processes of a specific disease or class of diseases with the disease or class of diseases, e.g., symptoms of heart diseases 616.1

For incidence of and public measures to prevent disease, see 614.4; for therapeutics, see 615.5; for gene therapy, see 615.8; for injuries and wounds, surgical treatment of diseases, diseases by body region, diseases of teeth, eyes, ears, see 617; for shock associated with injury or surgery, see 617.2; for gynecologic, obstetrical, fetal, pediatric, geriatric diseases, see 618; for prenatal procedures to diagnose genetic diseases (e.g., amniocentesis and chorionic villus biopsy), see 618.3

See Manual at 610 vs. 616; also at 616 vs. 612; also at 616 vs. 616.07; also at 616 vs. 617.4; also at 616 vs. 618.92

SUMMARY

616.001-.009	Standard subdivisions
.02-.08	[Special topics of diseases, pathology, psychosomatic medicine]
.1	Diseases of cardiovascular system
.2	Diseases of respiratory system
.3	Diseases of digestive system
.4	Diseases of endocrine, hematopoietic, lymphatic, glandular systems; diseases of male breast
.5	Diseases of integument
.6	Diseases of urogenital system
.7	Diseases of musculoskeletal system
.8	Diseases of nervous system and mental disorders
.9	Other diseases

.001 Philosophy and theory

Do not use for psychosomatic medicine; class in 616.08

Class comprehensive works in 616

.002 Miscellany

[.002 3] Work with diseases as a profession, occupation, hobby

Do not use; class in 610.69

.002 8 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing and measurement; class in 616.07

.003-.006 Standard subdivisions

.007 Education, research, related topics

- .007 2 Research
 Do not use for experimental research; class in 616.02
- .008 Groups of people
 Do not use for incidence of disease in groups of people; class in 614.4
- .008 3 Young people
 Do not use for diseases of infants and children up to puberty, comprehensive works on child and adolescent medicine; class in 618.92
- .008 35 Young people twelve to twenty
 Do not use for diseases of young people twelve to twenty who have not reached puberty; class in 618.92
 Class here adolescent medicine
- .008 4 People in specific stages of adulthood
 Do not use for people in late adulthood; class in 618.97
- .009 History, geographic treatment, biography
 Do not use for history and geographic treatment of incidence of disease, history of epidemics, class in 614.4
- [.009 11–.009 13] Frigid, temperate, tropical zones
 Do not use; class in 616.9
- .009 2 Biography
 Class life with a physical disease in 362.19. Class life with a mental disorder with the disorder in 616.85–616.89, e.g., life with manic-depressive illness 616.89
- .02 Special topics of diseases
 Including domestic medicine; medical emergencies; emergency care nursing, resuscitation, comprehensive works on emergency medicine; experimental medicine; intensive care; critical care, intensive care nursing; palliative and terminal care; terminal care nursing
 Class ethics of animal experimentation in 179; class special topics applied to special medical conditions in 616; class fetal tissue transplantation in 617.9; class breeding, genetic engineering, care, maintenance of laboratory animals in 636; class ethics of experimentation on human subjects and comprehensive works on ethics of medical experimentation in 174.2; class comprehensive works on clinical trials in 615.5072; class comprehensive works on clinical trials of diagnostic procedures in 616.07
 For a specific kind of therapy, see the therapy in 615, e.g., drug therapy 615.5, oxygen therapy 615.8; for palliative treatment of a specific symptom, see the symptom, e.g., pain 616; for a specific kind of resuscitation, see the kind, e.g., cardiopulmonary resuscitation 616.1
- [.020 1–.020 9] Standard subdivisions
 Do not use; class in 616.02

.07

Pathology

Including etiology; pathogenesis, risk factors; diagnosis and prognosis; differential diagnosis; disability evaluation; nursing assessment, nursing diagnosis; death; immunity; disease resistance, immune system, immunochemistry, immunology, leukocytes, lymphocytes

Class social factors contributing to spread of a disease in 362.1; class forensic autopsy in 614; class immune serums and immunologic drugs in 615.3; class symptoms and general pathological processes as problems in their own right, pathology, psychosomatic medicine, case histories applied to special medical conditions, genetic diseases, genetic aspects of diseases with complex causation in 616; class nonprofessional diagnosis in 616.02; class diseases of hematopoietic system in 616.4; class urinary manifestations of diseases of urogenital system in 616.6; class diseases of immune system in 616.97; class comprehensive works on clinical trials of diagnostic procedures and therapy in 615.5072; class interdisciplinary works on human death in 306.9

For cytopathology, histopathology, see 611; for forensic pathology, see 614; for ultrasonic therapy, radiotherapy, see 615.8; for medical microbiology, pathogenic microorganisms as causes of communicable diseases, see 616.9; for endoscopic surgery, see 617

See Manual at 616 vs. 616.07

.08

Psychosomatic medicine

Use only for psychosomatic aspects of diseases defined in 616.1–616.7, 616.9

Class somatoform disorders in 616.85; class diseases caused by stress in 616.9; class comprehensive works on psychological and psychosomatic aspects of disease in 616.001

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616.1–616.9 Specific diseases

Except for modifications shown under specific entries, use the following modified standard subdivisions:

001	Philosophy and theory
002	Miscellany
[0023]	The subject as a profession, occupation, hobby Do not use; class in the number for the disease without adding 0023
0028	Auxiliary techniques and procedures; apparatus, equipment, materials Do not use for self-help devices for people with disabilities, testing and measurement; class in the number for the disease without adding 0028
003–006	Standard subdivisions
007	Education, research, related topics
0072	Research Do not use for experimental research; class in the number for the disease without adding 0072
008	Groups of people Do not use for incidence of specific diseases or kinds of diseases in groups of people; class in 614.5
0083	Young people Do not use for diseases of infants and children up to puberty, comprehensive works on diseases of children and adolescents; class in 618.92
00835	Young people twelve to twenty Do not use for diseases of young people twelve to twenty who have not reached puberty; class in 618.92 Class here diseases of adolescents
0084	People in specific stages of adulthood Do not use for people in late adulthood; class in 618.97
009	History, geographic treatment, biography Do not use for history and geographic treatment of incidence of specific diseases or kinds of diseases; class in 614.5
0092	Biography Class life with a physical disease in 362.19. Class life with a mental disease with the disease in 616.85–616.89, e.g., life with depression 616.85

Class social factors contributing to spread of a disease in 362.19; class comprehensive works on public and private measures for preventing diseases in 613; class public measures for preventing a specific disease, use of specific vaccines in 614.5; class comprehensive works on therapy in 615.5; class comprehensive works on medical toxicology in 615.9; class comprehensive works on specific diseases in 616; class comprehensive works on rehabilitation in 617. Class a work treating all the complications of a disease with the disease, e.g., all the complications of diabetes mellitus 616.4; class a work that focuses on one specific complication with the complication, e.g., peripheral nerve disorders associated with diabetes mellitus 616.8

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616.1–616.8 Diseases of specific systems and organs

Class comprehensive works in 616

*For diseases of immune system, see 616.97; for tumors, cancers, tuberculosis of specific systems and organs, see 616.99***.1****Diseases of cardiovascular system**

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; diseases of endocardium and pericardium; diseases of heart; cardiology; diseases of blood vessels; angiology; diseases of arteries; diseases of blood vessels in a specific region, e.g., abdominal and pelvic cavities; diseases of veins and capillaries; diseases of blood; hematology, comprehensive works on hemic and lymphatic diseases

Class here cardiopulmonary diseases

Class diseases of blood-forming system in 616.4; class implantation of heart pacers and defibrillators, functioning of heart pacers and implanted defibrillators in 617.4. Class diseases of blood vessels in a specific system or organ with the system or organ, e.g., cerebrovascular diseases 616.8

*For pulmonary diseases, pulmonary hypertension, pulmonary embolisms and thromboses, see 616.2; for portal hypertension, see 616.3; for lymphatic diseases, see 616.4; for bacterial blood diseases, see 616.9***.100 1–.100 9**

Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.2**Diseases of respiratory system**

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; croup; respiratory allergies; hay fever; influenza; whooping cough (pertussis); common cold; hyperventilation; sleep apnea syndromes; snoring; diseases of nose, nasopharynx, paranasal sinuses, larynx; rhinology; diseases of larynx, epiglottis, glottis, vocal cords; laryngology; diseases of trachea and bronchi; diseases of lungs; comprehensive works on diseases of lungs and bronchi; diseases of pleura; diseases of mediastinum

Class here dyspnea

Class cystic fibrosis in 616.3; class pulmonary sarcoidosis in 616.4; class pulmonary tuberculosis in 616.99; class comprehensive works on cardiopulmonary diseases, comprehensive works on embolisms, on thromboses in 616.1; class otolaryngology, comprehensive works on diseases of ears, nose, throat in 617.5

For cardiac asthma, see 616.1

.200 1–.200 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.3 Diseases of digestive system

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; diseases of mouth and throat; diseases of pharynx and esophagus; diseases of stomach; gastroenteritis, comprehensive works on gastroenterology (gastrointestinal diseases); diseases of intestine; diseases of rectum and anus; proctology; diseases of biliary tract and liver; diseases of pancreas; diseases of peritoneum; nutritional and metabolic diseases

Class diseases of pancreatic internal secretion in 616.4; class anorexia nervosa in 616.85; class allergies of digestive system in 616.97; class oral region (a broader concept than mouth as a digestive organ) in 617.5; class diseases of teeth and gums in 617.6. Class nutritional and metabolic diseases of a specific system or organ outside the digestive system with the system or organ, e.g., iron-deficiency anemia 616.1

For diseases of larynx, see 616.2; for endocrinology, see 616.4; for Sjogren's syndrome, see 616.7; for hepatic encephalopathy, Reye syndrome, see 616.8; for eating disorders, see 616.85; for typhoid fever, cholera, dysentery, see 616.9; for hernias, see 617.5

See also 616.07 for use of analysis of gastroenteric contents in diagnosis of diseases in general

.300 1–.300 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.4 Diseases of endocrine, hematopoietic, lymphatic, glandular systems; diseases of male breast

Standard subdivisions are added for diseases of endocrine, hematopoietic, lymphatic systems, of male breast together; for diseases of endocrine system alone

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; diseases of thymus gland; diseases of thyroid and parathyroid glands; diseases of adrenal glands; diseases of islands of Langerhans; diseases of pituitary gland; diseases of other glands of endocrine system; diseases of spleen and bone marrow

Class here endocrinology, comprehensive works on diseases of glands

Class endocrinopathy in 616.3; class diabetic nephropathies in 616.6; class filarial elephantiasis in 616.9; class Hodgkin disease in 616.99; class comprehensive works on diseases of breast in 618.1. Class diseases of glands in a specific system or organ with the system or organ, e.g., diseases of female sex glands 618.1

For anemia, see 616.1; for myxedema, see 616.85

.400 1-.400 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.5 Diseases of integument

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; dermatitis, photosensitivity disorders, urticaria; eczema; viral and bacterial skin diseases; psoriasis; diseases of sebaceous glands; skin hypertrophies and ulcerations; diseases of scalp, hair, nails; pigmentary changes; diseases of sweat glands; parasitic and fungal skin diseases; chapping, chilblains, frostbite

Class here dermatology, skin diseases

Class porphyria in 616.3; class mastocytosis, urticaria pigmentosa in 616.7; class leishmaniasis in 616.9; class herpes genitalis in 616.95; class comprehensive works on herpesvirus diseases in 616.9

For allergies of skin, dermatological manifestations of food and drug allergies, allergic contact dermatitis, see 616.97; for birthmarks that are capillary hemangiomas, see 616.99

.500 1-.500 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.6 Diseases of urogenital system

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; specific aspects of diseases of urinary system (e.g., diseases of kidneys and ureters, diseases of bladder and urethra, urinary manifestations of diseases of urogenital system, diseases of male urethra); diseases of genital system; diseases of male genital system, diseases of prostate gland; diseases of penis; diseases of scrotum; diseases of testes and accessory organs; sexual disorders; male sexual disorders

Class here diseases of urinary system; urology

Class renal hypertension in 616.1; class kidney dialysis, hemodialysis, peritoneal dialysis in 617.4; class comprehensive works on climacteric disorders in 618.1; class interdisciplinary works on intersexuality in 306.76. Class a specific sex differentiation disorder with the disorder, e.g., congenital adrenal hyperplasia 616.4, congenital adrenal hyperplasia in children 618.92

For enuresis, see 616.8; for psychiatric sexual disorders, impotence as a psychological disorder, see 616.85; for diseases of female genital system, female sexual disorders, female infertility, artificial insemination, human reproductive technology applied to female infertility, see 618.1

.600 1-.600 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.7**Diseases of musculoskeletal system**

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; diseases of bones; chronic diseases of skeletal system; diseases of joints; diseases of spine; diseases of muscles; diseases of tendons and fasciae; diseases of bursae and sheaths of tendons; diseases of connective tissues; collagen diseases

Class here comprehensive works on orthopedics

Class myalgic encephalomyelitis in 616; class pituitary gigantism, pituitary dwarfism in 616.4; class neuromuscular diseases resulting from disorders of central nervous system, carpal tunnel syndrome in 616.8; class backache in 617.5. Class diseases of muscles in a specific system or organ with the system or organ, e.g., diseases of heart muscle (myocardium) 616.1

For rickets, gout, see 616.3; for fractures, see 617.1; for orthopedic surgery of musculoskeletal system, see 617.4; for orthopedic regional medicine, orthopedic regional surgery, see 617.5

.700 1–.700 9

Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.8**Diseases of nervous system and mental disorders**

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; case histories; cerebrovascular diseases; stroke; meningeal diseases; other organic diseases of central nervous system; diseases of basal ganglia, of spinal cord; comprehensive works on dementia, on memory disorders, on movement disorders; manifestations of nervous system diseases

Class here diseases of brain; neurology; neuropsychiatry

Class phenylketonuria in 616.3; class manifestations of mental disorders in 616.89; class comprehensive works on urinary incontinence in 616.6; class comprehensive works on syphilis in 616.95; class comprehensive works on neurological and surgical aspects of paraplegia in 617.5. Class diseases of nerves needed to make a specific system or organ function properly with the system or organ, e.g., neuromuscular diseases 616.7, diseases of optic nerves 617.7; class diagnostic and prognostic interpretation of symptoms of a specific disease or class of diseases with the disease or class of diseases, e.g., interpretation of symptoms of epilepsy 616.85

For sleep apnea and snoring, see 616.2; for orthopedic aspects of spina bifida, see 616.7

.800 1–.800 9

Standard subdivisions

.801–.809

Standard subdivisions of neurology, of diseases of nervous system, of brain diseases

Notation from Table 1 as modified under 616.1–616.9

.85 Miscellaneous diseases of nervous system and mental disorders

Limited to Huntington disease; neuroses; epilepsy; speech and language disorders; articulation disorders, communication disorders; diseases of cranial, spinal, peripheral nerves; diseases of autonomic nervous system; personality, sexual, gender-identity, impulse-control, factitious, developmental, learning disorders; violent behavior; mental retardation

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; case histories

Class phenylketonuria in 616.3; class neurofibromatosis in 616.99; class abused children, sexually abused children in 618.92; class comprehensive works on impotence in 616.6; class comprehensive works on overuse injuries in 617.1; class interdisciplinary works on gender identity in 305.3; class interdisciplinary works on homosexuality, interdisciplinary works on transgenderism in 306.76. Class neurotic aspects of a specific disease with the disease, e.g., neurotic aspects of asthma 616.2

For shingles, see 616.5; for substance abuse, see 616.86; for manic-depressive illness, see 616.89; for diseases of optic nerves, see 617.7; for diseases of aural nervous system, see 617.8; for postpartum depression, see 618.7

See Manual at 616.85

[.850 1-.850 9] Standard subdivisions

Do not use; class in 616.85

.86 Substance abuse (Drug abuse)

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; case histories; abuse of analgesics, depressants, inhalants, sedatives, tranquilizers; alcohol; alcoholism; substances other than alcohol (e.g., narcotics, hallucinogens, psychedelics, cannabis, stimulants and related substances, tobacco); effect of substance abuse on people close to substance abusers; adult children of substance abusers, codependent spouses of substance abusers

Class here addiction, dependence, habituation, intoxication

Class personal measures to prevent substance abuse in 613.8; class food addiction in 616.85; class minor children of alcoholics, minor children of substance abusers in 618.92; class comprehensive medical works on addictive drugs in 615.7; class comprehensive works on compulsive behavior in 616.85; class interdisciplinary works on substance abuse in 362.29. Class a specific problem of people close to substance abusers with the problem, e.g., depression 616.85

See Manual at 616.86 vs. 158.1, 204, 248.8, 292–299, 362.29

.860 01-.860 09 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.89

Mental disorders

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; pathology; case histories; manifestations of mental disorders; therapy; manic-depressive illness (bipolar disorder); circular and alternating manic-depressive psychoses; paranoid disorders; schizophrenia

Class here abnormal and clinical psychologies, comparative abnormal behavior of animals, psychiatry, psychoses

Class comprehensive works on depression, on mood disorders in 616.85. Class psychotherapy applied to a specific disorder with the disorder, e.g., psychotherapy applied to borderline personality disorder 616.85; class a specific organic psychosis not provided for here with the psychosis, e.g., psychosis due to brain tumors 616.99

For neuroses, personality, sexual, gender-identity, impulse-control, factitious, developmental, learning disorders, violent behavior, see 616.85; for psychosurgery, see 617.4; for puerperal mental disorders, see 618.7

See Manual at 616.89 vs. 150.19

.890 01–.890 09

Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.9**Other diseases**

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; virus diseases; bacterial diseases; comprehensive works on gram-negative bacterial infections; clostridium infections, diphtheria, cholera, dysenteries, protozoan infections; bacterial blood diseases; parasitic diseases and diseases due to fungi (mycoses); medical parasitology; diseases caused by microorganisms or parasites even if the diseases are not communicable; noncommunicable diseases and environmental medicine; communicable diseases as part of environmental medicine, diseases due to stress

Class here communicable diseases, infections

Class resistance to specific drugs in 615; class giardiasis in 616.3; class retroviridae as oncogenic viruses in 616.99; class comprehensive works on radiation dosimetry in 612; class comprehensive works on etiology of diseases in 616.07. Class a specific retroviridae infection not provided for here with the infection, e.g., HIV infections 616.97; class medical microbiology of a specific disease or group of diseases with the disease or group of diseases, e.g., medical microbiology of tuberculosis 616.99

For poisoning, see 615.9; for parasitic skin diseases, fungal skin diseases, diseases due to light, chapping, chilblains, frostbite, see 616.5; for sports medicine, see 617.1; for puerperal septicemia, see 618.7. For a specific virus disease or group of virus diseases not provided for here, see the disease or group of diseases, e.g., viral hepatitis 616.3; for a specific communicable disease not provided for here, see the disease, e.g., mumps 616.3; for a specific herpesvirus disease or group of herpesvirus diseases not provided for here, see the disease or group of diseases, e.g., shingles 616.5; for a specific bacterial disease or group of bacterial diseases not provided for here, see the disease or group of diseases, e.g., bacterial skin diseases 616.5; for a specific entomological disease, see the disease, e.g., lice infestations 616.5; for a specific noncommunicable or environmentally linked disease or type of disease provided for elsewhere, see the disease or type of disease, e.g., mental disorders 616.89

[.900 1–.900 9] Standard subdivisions of other diseases

Do not use; class in 616.001–616.009

.901–.909 Standard subdivisions of communicable diseases

Notation from Table 1 as modified under 616.1–616.9

[.909 11–.909 13] Frigid, temperate, tropical zones

Do not use; class in 616.9

- .95 Sexually transmitted diseases, zoonoses
Including rabies; glanders; anthrax; brucellosis; psittacosis
Class comprehensive works on chlamydia infections, comprehensive works on human papillomavirus infections, comprehensive works on herpesvirus diseases in 616.9
For neurosyphilis, see 616.8; for acquired immune deficiency syndrome (AIDS), see 616.97. For a specific zoonotic disease, see the disease, e.g., influenza 616.2, rabies 616.9
- [.950 1–.950 9] Standard subdivisions
Do not use; class in 616.95
- .97 Diseases of immune system
Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; therapy, alternative therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; contact allergies; allergic contact dermatitis, allergies of skin; food and drug allergies; allergies of digestive system; autoimmune diseases; autoimmunity; immune deficiency diseases
Class here comprehensive works on allergies
Class sarcoidosis in 616.4; class comprehensive works on contact dermatitis in 616.5
For a specific allergy not provided for here, see the allergy, e.g., hay fever 616.2; for a specific autoimmune disease, see the disease, e.g., systemic lupus erythematosus 616.7
- .970 01–.970 09 Standard subdivisions
Notation from Table 1 as modified under 616.1–616.9
- .99 Tumors and miscellaneous communicable diseases
Miscellaneous communicable diseases limited to rheumatic fever; tuberculosis; pulmonary tuberculosis; Hansen's disease (leprosy)
Including benign tumors; cancers; carcinoma, oncology
- [.990 1–.990 9] Standard subdivisions
Do not use; class in 616.99

617 Surgery, regional medicine, dentistry, ophthalmology, otology, audiology

Standard subdivisions are added for surgery alone; however, do not add for surgery, regional medicine, dentistry, ophthalmology, otology, audiology together; class in 616.001–616.009

Including special topics of surgery (e.g., personnel, minor surgery, emergency surgery); comprehensive works on rehabilitation; surgery utilizing specific instruments and techniques or specific groups of instruments and techniques; nonsurgical therapy; rehabilitative therapy; pathology

Except for modifications shown under specific entries, use the following modified standard subdivisions:

001–007	Standard subdivisions
008	Groups of people
0083	Young people Class regional medicine, ophthalmology, otology, audiology for infants and children up to puberty, comprehensive works on pediatrics in 618.92; class comprehensive works on dentistry for infants and children up to puberty in 617.6; class comprehensive works on surgery for infants and children up to puberty in 617.9
00835	Young people twelve to twenty Notation 00835 is used for adolescent medicine aspects of all topics in 617, e.g., adolescent dentistry 617.600835, comprehensive works on surgery for adolescents 617.00835
0084	People in specific stages of adulthood Class regional medicine, dentistry, ophthalmology, otology, audiology for people in late adulthood, comprehensive works on geriatrics in 618.97; class comprehensive works on geriatric surgery in 617.9
0088	Occupational and religious groups Class military surgery in 617.9
[009]	History, geographic treatment, biography Do not use; class in 09
09	History, geographic treatment, biography Add to 09 notation 1–9 from Table 2, e.g., the subject in India 0954

Class social factors contributing to spread of a disease in 362.19; class public measures for preventing specific diseases in 614.5; class radiosurgery in 617.4; class orthopedic self-help devices for people with disabilities in 617.9; class comprehensive works on prevention in 613; class comprehensive works on medical toxicology in 615.9; class comprehensive works on endoscopy; comprehensive works on a diagnostic technique used in general medicine (including techniques that involve minor surgery, e.g., biopsy), in 616.07; class comprehensive works on operative surgery and special fields of surgery in 617.9. Class rehabilitation from a specific disease or injury with the disease or injury in 616–618, e.g., rehabilitation for patients with heart disease 616.1

For surgical treatment of tumors, see 616.99

See Manual at 618.92 vs. 617; also at 618.97 vs. 617

SUMMARY

617.001–.008	Standard subdivisions of surgery
.09	History, geographic treatment, biography of surgery
.1	Injuries and wounds
.2	Results of injuries and wounds
.4	Surgery by systems
.5	Regional medicine
.6	Dentistry
.7	Ophthalmology
.8	Otology and audiology
.9	Operative surgery and special fields of surgery

- > 617.001–617.008 Standard subdivisions of surgery
- Class comprehensive works in 617
- .001 Philosophy and theory of surgery
 - .002 Miscellany of surgery
 - [.002 3] Surgery as a profession, occupation, hobby
 - Do not use; class in 617
 - [.002 8] Auxiliary techniques and procedures; apparatus, equipment, materials
 - Do not use for testing and measurement; class in 617. Do not use; class in 617.9
 - .003–.007 Standard subdivisions of surgery
 - .008 Surgery for groups of people
 - .008 3 Young people
 - Do not use for surgery for infants and children up to puberty; class in 617.9
 - Young people twelve to twenty
 - Do not use for comprehensive works on surgery for young people twelve to twenty who have not reached puberty; class in 617.9
 - Class here adolescent surgery
 - .008 4 People in specific stages of adulthood
 - Do not use for people in late adulthood; class in 617.9
 - .008 8 Occupational and religious groups
 - Do not use for military personnel; class in 617.9
 - [.009] History, geographic treatment, biography of surgery
 - Do not use; class in 617.09
 - .09 History, geographic treatment, biography of surgery
 - Add to base number 617.09 notation 1–9 from Table 2, e.g., biographies of surgeons 617.092

.1 Injuries and wounds

Standard subdivisions are added for either or both topics in heading

Including special topics of injuries and wounds (e.g., emergencies, athletic and dance injuries, crash injuries); rehabilitation; nonsurgical therapy; rehabilitative therapy; pathology; burns and scalds; injuries from electricity; abrasions, contusions, lacerations; penetrating wounds; fractures; dislocations; sprains and strains; asphyxia; blast injuries

Class here traumatology

Class frostbite in 616.5; class heat stress disorders, motion sickness in 616.9; class results of injuries and wounds in 617.2. Class a specific branch of sports medicine with the branch, e.g., promotion of health of athletes 613.7

For a specific cumulative trauma disorder, see the disorder, e.g., carpal tunnel syndrome 616.8; for injuries and wounds of a specific system, region, or organ, see the system, region, or organ in 617.4–617.5, e.g., thoracic injuries 617.5

.100 1–.100 9 Standard subdivisions

.2 Results of injuries and wounds

Standard subdivisions are added for either or both topics in heading

Including traumatic and surgical shock; fever, infections, inflammation

Class comprehensive medical works on shock in 616

For results of injuries and wounds of a specific system, region, or organ, see the system, region, or organ in 617.4–617.5, e.g., results of thoracic injuries 617.5

See also 617.1 for rehabilitation, rehabilitative therapy; also 617.9 for fever, infections, inflammation as surgical complications

>

617.4–617.5 Surgery by systems and regions

Class here injuries and wounds of specific systems, regions, organs; surgery of specific organs

Class comprehensive works in 617

.4 Surgery by systems

Including cardiovascular system; digestive system; blood-forming, lymphatic, glandular systems; endocrine system; urogenital system; musculoskeletal system, integument; orthopedic surgery; nervous system; neurosurgery

Class chronic diseases of skeletal system in 616.7; class orthopedic regional surgery, spine surgery involving both spinal column and spinal cord in 617.5

For fractures, dislocations, sprains and strains, abrasions, see 617.1; for respiratory system, surgery of specific organs of digestive system, surgery of a specific gland, amputations, skull, jaws, joints of extremities, see 617.5; for ophthalmologic surgery, see 617.7; for otologic surgery, see 617.8; for gynecologic and obstetrical surgery, see 618

See Manual at 616 vs. 617.4

.5 Regional medicine

Including head; otolaryngology, otorhinolaryngology, comprehensive works on diseases of ears, nose, throat; face; neck; thorax (chest) and respiratory system; abdominal and pelvic cavities; back; upper extremities; surgery of joints of upper extremities; lower extremities; legs; comprehensive works on extremities, on paraplegia

Class here regional surgery; orthopedic regional medicine, orthopedic regional surgery

Class nonsurgical medicine of specific systems or organs in specific regions in 616; class nonsurgical works on mouth as a digestive organ in 616.3; class carpal tunnel syndrome in 616.8; except for spleen, thyroid and parathyroid glands, respiratory system, specific organs of digestive system, class surgery of a specific system in a specific region in 617.4; class eyes in 617.7; class comprehensive works on kinds of oral surgery commonly performed by dentists in 617.6; class comprehensive works on surgery of breast in 618.1

For neurological aspects of paraplegia, see 616.8; for surgery of heart, urogenital system, see 617.4; for teeth, see 617.6; for eyes, see 617.7; for ears, see 617.8

See also 617.1 for fractures

See Manual at 617.5

.508 3

Young people

Do not use for nonsurgical regional medicine of infants and children up to puberty, comprehensive works on child and adolescent medicine; class in 618.92

.508 35

Young people twelve to twenty

Do not use for nonsurgical regional medicine of young people twelve to twenty who have not reached puberty; class in 618.92

Class here comprehensive works on nonsurgical regional medicine of adolescents

.508 4

People in specific stages of adulthood

Do not use for nonsurgical regional medicine of people in late adulthood; class in 618.97

.6

Dentistry

Including special topics (e.g., personnel, domestic medicine, emergencies, experimental medicine, intensive care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases, injuries and wounds, trauma; therapy, rehabilitative therapy; pathology; psychosomatic medicine; oral hygiene and preventive dentistry; dental hygiene; surgery; dental diseases; diseases of teeth; orthodontics and pediatric dentistry; extraction; exodontics; caries (cavities); prosthodontics; dental restoration

Class adolescent dentistry in 617.600835

For tumors of teeth and surrounding tissues, tuberculosis of teeth and surrounding tissues, see 616.99

- .600 1-.600 7 Standard subdivisions
 Notation from Table 1 as modified under 617
- .600 8 Groups of people
- .600 83 Young people
 Do not use for dentistry for infants and children up to puberty; class in 617.6
- .600 835 Young people twelve to twenty
 Do not use for dentistry for young people twelve to twenty who have not reached puberty; class in 617.6
 Class here adolescent dentistry
- [.600 9] History, geographic treatment, biography
 Do not use; class in 617.609
- .609 History, geographic treatment, biography
 Add to base number 617.609 notation 1–9 from Table 2, e.g., biographies of dentists 617.6092

.7**Ophthalmology**

Including special topics (e.g., personnel, domestic medicine, emergencies, experimental medicine, intensive care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases, injuries and wounds, trauma; preventive measures; therapy, rehabilitative therapy; psychosomatic medicine; pathology and surgery of eyes; diseases of uveas; diseases of optic nerves, of retinas; diseases of eyeballs; disorders of refraction and accommodation, color vision defects; optometry; diseases of ocular neuromuscular mechanism and lacrimal apparatus; diseases of eyelids and conjunctivas; diseases of orbits; artificial eyes

Class here eye diseases

For Sjogren's syndrome, see 616.7; for tumors of eyes, tuberculosis of eyes, see 616.99

- .700 1-.700 8 Standard subdivisions
 Notation from Table 1 as modified under 617
- [.700 9] History, geographic treatment, biography
 Do not use; class in 617.709
- .709 History, geographic treatment, biography
 Add to base number 617.709 notation 1–9 from Table 2, e.g., biographies of ophthalmologists 617.7092

.8 Otology and audiology

Standard subdivisions are added for either or both topics in heading

Including surgical complications; preoperative, intraoperative, postoperative care; special topics (e.g., personnel, domestic medicine, emergencies, experimental medicine, intensive care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases, injuries and wounds, trauma; preventive measures; surgery; therapy, rehabilitative therapy; pathology; psychosomatic medicine; diseases of external ears; diseases of auricles; diseases of auditory canals; diseases of middle ears; diseases of tympanic membranes; diseases of eustachian tubes; diseases of mastoid processes; diseases of internal ears and of aural nervous system; correction of impaired hearing

Class here deafness, partial hearing loss

Class vertigo as a symptom of neurological disease in 616.8; class motion sickness in 616.9

For tumors of ears, tuberculosis of ears, see 616.99

.800 1-.800 8 Standard subdivisions

Notation from Table 1 as modified under 617

[.800 9] History, geographic treatment, biography

Do not use; class in 617.809

.809 History, geographic treatment, biography

Add to base number 617.809 notation 1-9 from Table 2, e.g., biographies of audiologists 617.8092

.9**Operative surgery and special fields of surgery**

Including surgical techniques, procedures, apparatus, equipment, materials (e.g., surgical dressings, cosmetic and restorative plastic surgery, transplantation of tissue and organs, implantation of artificial organs, anesthesiology); special fields of surgery (e.g., geriatric surgery; pediatric surgery; military surgery)

Class here orthopedic equipment; auxiliary techniques and procedures; apparatus, equipment, materials; comprehensive works on surgical equipment, on prostheses

Class blood and blood plasma transfusion in 615.3; class acupuncture anesthesia in 615.8; class transplantation of fetal tissue in experimental medicine, resuscitation in 616.02; class comprehensive works on orthopedic and nonorthopedic self-help devices for people with disabilities in 617

For surgery of tumors and cancers, see 616.99; for adolescent surgery, see 617.00835; for surgical shock, see 617.2; for gynecologic surgery, see 618.1. For surgery of a specific organ, system, region, or disorder, see the organ, system, region, or disorder in 617, e.g., brain surgery 617.4, abdominal surgery 617.5; for cosmetic and restorative plastic surgery of a specific system, region, or organ; transplantation of tissue of a specific system, region, or organ; transplantation of a specific organ; implantation of artificial tissue of a specific system, region, or organ; implantation of an artificial substitute, artificial part, or assistive device for a specific organ, see the system, region, or organ in 617.4–617.5, e.g., plastic surgery of face 617.5; skin transplantation, heart transplantation, implantation of bone substitutes, implantation of heart-assist devices 617.4; for a specific piece of equipment or prosthesis, see the use of the equipment or prosthesis, e.g., dentures 617.6; for cosmetic and restorative plastic surgery in gynecologic and obstetrical surgery, see the tissue or organ in 618, e.g., mammoplasty 618.1; for transplantation of tissue of a specific system, region, or organ; transplantation of a specific organ in gynecological or obstetrical surgery; implantation of artificial tissue, artificial organs, or medical devices in gynecologic and obstetrical surgery, see the tissue, system, region, or organ in 618, e.g., transplantation of ovarian tissue, breast implants 618.1

[.901–.909]

Standard subdivisions

Do not use; class in 617.9

618**Gynecology, obstetrics, pediatrics, geriatrics**

Standard subdivisions are added for gynecology, obstetrics, pediatrics, geriatrics together; for gynecology and obstetrics together

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; surgery; therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories

SUMMARY

- 618.01–09 Standard subdivisions**
- .1 Gynecology
 - .2 Obstetrics
 - .3 Diseases and complications of pregnancy
 - .4 Childbirth
 - .5 Labor complications
 - .6 Normal puerperium
 - .7 Puerperal diseases
 - .8 Obstetrical surgery
 - .9 Pediatrics and geriatrics
- .01 Philosophy and theory
- .02 Miscellany
- .028 Auxiliary techniques and procedures; apparatus, equipment, materials
- Do not use for testing and measurement; class in 618
- .03–07 Standard subdivisions
- .08 Groups of people
- .083 Young people
- Do not use for infants and children up to puberty; class in 618.92
- .083 5 Young people twelve to twenty
- Do not use for young people twelve to twenty who have not reached puberty; class in 618.92
- Class here adolescent gynecology and obstetrics
- .084 People in specific stages of adulthood
- Do not use for people in late adulthood; class in 618.97
- .09 History, geographic treatment, biography
- Class life with a disease in 362.19

>

618.1–618.8 Gynecology and obstetrics

Medical and surgical

Class comprehensive works in 618

.1 Gynecology

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; surgery; therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; endocrine gynecology, endometriosis; diseases of ovaries; diseases of fallopian tubes; diseases of uterus; diseases of uterine cervix; diseases of vagina; diseases of vulva; functional and systemic disorders; female sexual disorders; birth control; contraception, family planning; diseases of breast; comprehensive works on diseases of male and female breast

Class personal health aspects of birth control in 613.9; class pharmacokinetics of chemical contraceptives in 615.7; class tumors of genital system in 616.99; class comprehensive medical works on sexual disorders, comprehensive works on male and female infertility, comprehensive works on human reproductive technology in 616.6; class interdisciplinary works on birth control in 363.9

For diseases of male breast, see 616.4; for male climacteric disorders, nonsurgical methods of birth control in males, see 616.6; for tumors of breast, see 616.99; for surgery of male breast, see 617.5; for puerperal diseases, diseases of lactation, see 618.7

See also 616.9 for toxic shock syndrome

.100 1–.100 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.2 Obstetrics

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; prenatal care and preparation for childbirth; multiple pregnancy and childbirth; nonsurgical methods of abortion; use of abortifacient agents

Class here midwifery, comprehensive works on pregnancy and childbirth

Class surgical abortion, comprehensive works on induced abortion in 618.8

For physiology of pregnancy and childbirth, see 612.6; for diagnosis of diseases and complications of pregnancy, see 618.3; for diseases, disorders, management of pregnancy, childbirth, puerperium, see 618.3–618.8; for diagnosis of labor complications, see 618.5; for diagnosis of puerperal diseases, see 618.7

.200 1–.200 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

> 618.3–618.8 Diseases, disorders, management of pregnancy, childbirth, puerperium

Class comprehensive works in 618.2

See also 618.2 for multiple pregnancy and childbirth

.3 Diseases and complications of pregnancy

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; surgery; therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; ectopic pregnancy; fetal disorders; perinatal medicine (perinatology); diseases of placenta and amniotic fluid; pregnancy complications due to co-occurrence of pregnancy and disease in the mother; miscarriage, stillbirth, premature labor

Class neonatal medicine in 618.92; class comprehensive works on congenital diseases in 616

For childbirth, see 618.4; for puerperal eclampsia, see 618.7

.300 1–.300 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.4 Childbirth

Including presentation; natural childbirth

Class here labor

Class a specific aspect not provided for here with the aspect, e.g., Cesarean section 618.8

.5 Labor complications

Class here dystocia

.6 Normal puerperium

Class here postnatal care

.7 Puerperal diseases

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; genetic diseases (hereditary diseases), congenital diseases; preventive measures; surgery; therapy, rehabilitative therapy; pathology; psychosomatic medicine; case histories; postpartum hemorrhage, Sheehan's syndrome; diseases of lactation; puerperal infections; childbed fever, puerperal septicemia; puerperal mental disorders; postpartum depression; maternal death

Class comprehensive works on depression in 616.85

.700 1–.700 9 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.8 Obstetrical surgery

Including version and extraction; minor surgery; cesarean section; surgical abortion; comprehensive medical works on abortion

Class embryo transfer in 618.1; class interdisciplinary works on abortion in 362.1988

For nonsurgical methods of abortion, see 618.2

.9 Pediatrics and geriatrics**.92 Pediatrics**

Medicine for infants and children up to puberty

Including newborn infants (neonates); neonatal medicine (neonatology); chronic diseases; symptoms and general pathological processes as problems in their own right; special branches of medicine (e.g., regional medicine, ophthalmology, otology, audiology, gynecology); specific diseases

Class here comprehensive works on child and adolescent medicine

Class pediatric sports medicine in 617.1; class perinatal medicine in 618.3; class comprehensive works on congenital diseases in 616

For medicine for young people who have reached puberty (adolescent medicine), see 616.00835; for pediatric aspects of injuries and wounds, see 617.10083; for pediatric aspects of results of injuries and wounds, see 617.2083; for pediatric dentistry, pediatric dental diseases, see 617.6; for pediatric surgery, see 617.9; for pediatric gynecologic surgery, see 618.1

See Manual at 616 vs. 618.92; also at 618.92 vs. 617

.920 001–.920 009 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

.97 Geriatrics

Including medical microbiology; special topics (e.g., personnel, domestic medicine, medical emergencies, experimental medicine, intensive care, palliative and terminal care); rehabilitation; pathology; psychosomatic medicine; case histories; genetic diseases (hereditary diseases), congenital diseases, chronic diseases, symptoms and general pathological processes as problems in their own right; specific diseases; miscellaneous branches of medicine other than surgery (limited to regional medicine, dentistry, ophthalmology, otology, audiology); gynecology

For geriatric aspects of injuries and wounds, see 617.10084; for geriatric aspects of results of injuries and wounds, see 617.2084; for geriatric surgery, see 617.9; for geriatric gynecologic surgery, see 618.1

See Manual at 618.97 vs. 617

.970 01–.970 09 Standard subdivisions

Notation from Table 1 as modified under 616.1–616.9

[619] [Unassigned]

Most recently used in Edition 13

620

Engineering and allied operations

Standard subdivisions are added for engineering and allied operations together, for engineering alone

Including design, quality; engineering for specific kinds of geographic environments, fine particle and remote control technology, surface engineering; nanotechnology

Class here manufacturing of products of various branches of engineering

Class comprehensive works on manufacturing in 670; class comprehensive works on computer-aided design and computer-aided manufacturing (CAD/CAM) in 670.285; class interdisciplinary works on measurement in 530.8. Class a specific technology in a specific kind of geographic environment with the technology, plus notation 091 from Table 1 when the environment is not inherent in the subject, e.g., work environment engineering for deserts 620.80915, nautical engineering 623.8; class a specific application of nanotechnology with the technology, e.g., nanostructured materials 620.1, nanotechnology used in manufacturing thin-film circuits 621.3815

For chemical engineering, see 660. For maintenance and repair in a specific subject, see the subject, plus notation 028 from Table 1, e.g., radio repair 621.384028

SUMMARY

620.001–.009	Standard subdivisions
.1–.8	[Engineering mechanics and materials, sound and related vibrations, mechanical vibration, human factors and safety engineering]
621	Applied physics
622	Mining and related operations
623	Military and nautical engineering
624	Civil engineering
625	Engineering of railroads and roads
627	Hydraulic engineering
628	Sanitary engineering
629	Other branches of engineering

.001 Philosophy and theory

Do not use for mechanical principles in engineering; class in 620.1. Do not use for principles of sound and related vibrations in engineering; class in 620.2. Do not use for other physical principles in engineering; class in 621

Class design of engineering systems, computer-aided design in 620; class manufacturing systems in 670.1; class interdisciplinary works on systems in 003; class interdisciplinary works covering systems of agriculture, home economics, or management in addition to engineering in 601

.002 Miscellany

.002 8 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing and measurement, maintenance and repair; class in 620. Do not use for safety measures; class in 620.8

.003–.008 Standard subdivisions

.009 History, geographic treatment, biography

- .009 1 Areas, regions, places in general
Class engineering to overcome problems of specific kinds of geographic environments in 620
- .009 2 Biography
Class biography of engineers known primarily as entrepreneurs in 338.7
- .009 9 Australasia, Pacific Ocean islands, Atlantic Ocean islands, Arctic islands, Antarctica
- [.009 99] Extraterrestrial worlds
Do not use; class in 620

.1 Engineering mechanics and materials

Standard subdivisions are added for engineering mechanics and materials together, for engineering mechanics alone

Including applied statics; applied dynamics; applied solid mechanics; applied fluid mechanics; applied hydromechanics, comprehensive works on fluid-power technology; applied gas mechanics; applied aeromechanics; engineering materials; specific kinds of materials (e.g., wood, masonry materials, ceramic and allied materials, metals, ferrous metals, nonferrous metals, other engineering materials [e.g., soils and related materials, polymers, nonmetallic elements, elastomers, insulating materials, bituminous materials, organic fibrous materials, adhesives and sealants])

Class here applied mechanics

Class fine particle technology in 620; class structural theory, foundation soils in 624.1. Class manufacturing and chemical properties of a specific kind of material with the material, e.g., wood 674. Class comprehensive works on friction in 621.8; class comprehensive works on materials, manufacture of materials in 670; class interdisciplinary works on soils in 631.4

For mechanical vibration, see 620.3; for steam engineering, see 621.1; for hydraulic-power technology, see 621.2; for pneumatic and vacuum technology, see 621.5; for hydraulic engineering, see 627; for aeromechanics of flight, see 629.132; for air-conditioning engineering, see 697.9

- .100 1–.100 9 Standard subdivisions

.2 Sound and related vibrations

Standard subdivisions are added for sound and related vibrations together, for sound alone

Including specific aspects of applied acoustics (acoustical engineering) (e.g., general topics of applied acoustics, noise and countermeasures, acoustics in specific physical environments; applied subsonics and ultrasonics)

Class here applied acoustics (acoustical engineering)

Class electroacoustical communications in 621.382; class engineering works on architectural acoustics in 690; class interdisciplinary works on architectural acoustics in 729

For ultrasonic testing of materials, see 620.1

See also 534 for physics of sound

.3 Mechanical vibration

Including generation and transmission; effects and countermeasures

Class effects of vibrations on materials in 620.1

For sound and related vibrations, see 620.2

.8 Human factors and safety engineering

Class here work environment engineering

Class interdisciplinary works on safety in 363.1. Class a specific application of human factors engineering with the application, e.g., engineering of the home kitchen work environment 643

For safety engineering of a specific technology, see the technology, plus notation 028 from Table 1, e.g., safety in machine engineering 621.8028

See also 628 for environmental protection engineering

621

Applied physics

Class here mechanical engineering

Class a specific application of applied physics with the application, e.g., military engineering 623

For engineering mechanics, see 620.1; for applied acoustics, see 620.2

SUMMARY

621.04	Special topics of applied physics
.1	Steam engineering
.2	Hydraulic-power technology
.3	Electrical, magnetic, optical, communications, computer engineering; electronics, lighting
.4	Prime movers and heat engineering
.5	Pneumatic, vacuum, low-temperature technologies
.6	Blowers, fans, pumps
.8	Machine engineering
.9	Tools

.04 Special topics of applied physics

- .042 Energy engineering
 Class here engineering of alternative and renewable energy sources
 Class interdisciplinary works on energy in 333.79
- .044 Plasma engineering
 Class interdisciplinary works on plasma in 530.4

> **621.1–621.2 Fluid-power technologies**

- Class comprehensive works in 620.1
- .1 Steam engineering**
 Including specific kinds of steam engines (e.g., portable engines, stationary engines); generating and transmitting steam; central stations
 Class interdisciplinary works on cogeneration of electricity and heat in 333.793
For marine steam engines, see 623.87; for steam locomotives, see 625.26; for steam tractors and rollers, see 629.22
- .2 Hydraulic-power technology**
 Including special topics of hydraulic-power technology (e.g., specific liquids, water, hydraulic fluids); water mills; comprehensive works on waterwheels; turbines; pumps and accumulators; hydraulic transmission; rams
 Class hydraulic control in 629.8; class comprehensive works on pumps in 621.6
For waterwheels used as water-lifting devices, see 621.6

.3 Electrical, magnetic, optical, communications, computer engineering; electronics, lighting

- Standard subdivisions are added for electromagnetic engineering, for combined electrical and electronic engineering, for electrical engineering alone
 Including superconductivity; superconductors
 Class superconductor circuits in 621.3815
See also 537 for physics of electricity and electromagnetism

SUMMARY

621.302 8	Auxiliary techniques and procedures; apparatus, equipment, materials
.31	Generation, modification, storage, transmission of electric power
.32	Lighting
.33	Electric power transmission for railroads
.34	Magnetic engineering
.36	Optical engineering
.37	Testing and measurement of electrical quantities
.38	Electronics, communications engineering
.39	Computer engineering

- .302 8 Auxiliary techniques and procedures; apparatus, equipment, materials
 Do not use for electrical equipment; class in 621.31. Do not use for electrical testing and measurement; class in 621.37
- .31 Generation, modification, storage, transmission of electric power
 Including special topics of generation, modification, storage, transmission of electric power (e.g., electrical machinery and equipment); machinery and equipment for generation, modification, control (e.g., generating machinery and converters, transformers, capacitors [condensers], details and parts of generators, control devices)
 Class here alternating current
 Class switches at service end of line in 621.319; class engineering of dams for hydroelectric power in 627; class comprehensive works on electrochemical engineering in 660. Class a specific application with the application, e.g., refrigerators 621.5
 For electric motors, see 621.46; for nuclear steam-powered generation of electricity, see 621.48
- .319 Transmission
 Including power failure; systems (e.g., direct-current systems, alternating-current systems, composite current systems); networks (circuitry and lines); equipment and components (e.g., wires, cables, insulators)
 Class here electrification
 Class equipment for generation, modification, control in 621.31; class interdisciplinary works on electrification, on power failure in 333.793
 For electric power transmission for railroads, see 621.33
- .319 01 Philosophy and theory
 Do not use for systems; class in 621.319
- .32 Lighting
 Including principles of lighting (e.g., layouts, calculations, photometry, floodlighting); lighting in specific situations; interior lighting; specific forms of lighting (e.g., nonelectrical lighting, gas lighting, arc lighting, incandescent lighting, vapor lighting [luminous-tube lighting])
 Class here electric lighting
 For public lighting, see 628.9; for lighting of airports, see 629.136
- .33 Electric power transmission for railroads
- .34 Magnetic engineering
 Class here artificial magnets, electromagnets
 Class electromagnets as parts of generators in 621.31; class electromagnets as parts of electric motors in 621.46; class comprehensive works on electromagnetic technology in 621.3
 See also 538 for physics of magnetism, for natural magnets

.36

Optical engineering

Including spectroscopy; infrared and ultraviolet technology; photonics; lasers; technological photography and photo-optics; image processing, optical data processing; other branches of applied optics (e.g., fiber optics, integrated optics, nonlinear optics)

Class here applied optics; works on infrared and ultraviolet technology together

Class manufacture of optical instruments in 681; class interdisciplinary works on photography in 770

For photogrammetry, see 526.9; for lighting, see 621.32; for photoelectric and photoelectronic devices, see 621.3815; for laser communications, optical communications, see 621.382

See also 535 for optics and light as subjects in physics; also 620.1 for optical properties of engineering materials

See Manual at 006.3 vs. 006.4, 621.36, 621.39

.37

Testing and measurement of electrical quantities

Instruments and their use

Including units and standards of measurement; recording meters; instruments for measuring specific electrical quantities (e.g., instruments for measuring capacitance, inductance, resistance; instruments for measuring potential; instruments for measuring current; instruments for measuring energy; instruments for measuring power; instruments for measuring frequency; instruments for measuring phase)

For testing and measurement of a specific apparatus, part, or function, see the apparatus, part, or function, plus notation 028 from Table 1, e.g., testing electromagnets 621.34028

.38

Electronics, communications engineering

Unless other instructions are given, class a subject with aspects in two or more subdivisions of 621.38 in the number coming last, e.g., antennas for amateur radio 621.3841 (*not* 621.382)

SUMMARY

621.381	Electronics
.382	Communications engineering
.383	Telexygraphy
.384	Radio and radar
.385	Telephony
.386	Telephone terminal equipment
.387	Telephone transmission and nonterminal equipment
.388	Television
.389	Security, sound recording, related systems

.381

Electronics

Including special topics of electronics (e.g., power and energy in electronic systems, optoelectronics, packaging); microwave electronics

Class here microelectronics, molecular electronics

Class signal processing, electronic interference and noise in 621.382.

Class a specific application of electronics with the application, e.g., laser technology 621.36

See also 537.5 for physics of electronics

.381 5

Components and circuits

Standard subdivisions are added for either or both topics in heading

Including specific components (e.g., electronic tubes, semiconductors); printed circuits and circuits for specific functions; supplementary components (e.g., photoelectric and photoelectronic components, testing and measuring components); analog-to-digital and digital-to-analog converters

Class here analog, digital, integrated, microelectronic, semiconductor, superconductor, thin-film circuits; circuits and components common to electronics and communications engineering

Class microwave components and circuits in 621.381; class components and circuits of a specific branch of communications engineering in 621.383–621.389; class very large scale integration, operational amplifiers, switching theory in logic circuit design, analog-to-digital and digital-to-analog converters in data communications engineering in 621.39. Class testing and measuring a specific circuit or component with the circuit or component, plus notation 028 from Table 1, e.g., testing thin-film circuits 621.3815028; class instrumentation in a specific field with the field, e.g., electronic control 629.8

.381 502 8

Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing and measurement; class in 621.3815

.382

Communications engineering

Including communications networks; signal processing; information theory; miscellaneous topics (limited to studios, transmission facilities, power supply, recording devices, facsimile transmission, space communication); antennas and propagation; relay communication; satellite communication; optical communications; laser communications; acoustical communications; electroacoustical communications

Class here analog, digital, electronic communications; telecommunications; comprehensive works on digital data and telecommunications engineering

Class audio systems limited to recording and reproduction of sound in 621.389; class comprehensive works on wireless communication in 621.384; class interdisciplinary works on information theory in 003.

Class a component or circuit common to electronics and communications engineering with the component or circuit in 621.3815, e.g., amplifiers, switching circuits

For specific communications systems, see 621.383–621.389; for data communications engineering, see 621.39. For a recording device of a specific communication system, see the device in 621.383–621.389, e.g., video recorders 621.388, sound recorders 621.389; for communications networks based on a specific technology, see the technology, e.g., telephone networks 621.385

See Manual at 004.6 vs. 621.382, 621.39

[.382 028 5]

Computer applications

Do not use; class in 621.382

>

621.383–621.389 Specific communications systems

Class comprehensive works in 621.382

.383

Telegraphy

For radiotelegraphy, see 621.384

.384

Radio and radar

Standard subdivisions are added for radio and radar together, for radio alone

Including digital audio broadcasting; radiotelegraphy

Class here broadcasting stations; comprehensive engineering works on radio and television, on wireless communication

Class interdisciplinary works on radio and television in 384.5; class interdisciplinary works on broadcasting stations in 384.54

For satellite communication, see 621.382; for television, see 621.388

.384 028

Auxiliary techniques and procedures; apparatus, equipment, materials

Class maintenance and repair of radio receiving sets in 621.384

.384 1

Specific topics in general radio

Including wave propagation and transmission; circuits; components and devices (e.g., transmitters, tubes, semiconductor devices, antennas); systems by wave type, satellite and relay systems (e.g., shortwave systems, frequency-modulation [FM] systems, long-wave systems, relay and satellite systems); amateur radio (ham radio); comprehensive works on amateur and citizens band radio; radio receiving sets; special developments (e.g., direction and position finding, identification and locating, radio control, space communication)

For citizens band radio, see 621.3845

[.384 101-.384 109]

Standard subdivision

Do not use; class in 621.38401–621.38409

.384 5

Radiotelephony

Including portable radios, walkie-talkies; citizens band radio; cellular telephone systems

Class here mobile radio stations, comprehensive works on radio transmission in telephony

Class comprehensive works on amateur and citizens band radio in 621.3841

For radio relays, see 621.387

.384 8

Radar

Including specific instruments and devices; systems

.385

Telephony

Including network analysis; automatic and semiautomatic switching systems

Class here telephone systems based on wires, cables, lasers, optical fibers; Internet telephony

Class cellular telephone systems in 621.3845; class data communications engineering in 621.39; class interdisciplinary works on telephony in 384.6

For radiotelephony, see 621.3845; for telephone terminal equipment, see 621.386; for telephone transmission and nonterminal equipment, see 621.387

.386

Telephone terminal equipment

Dialing, transmitting, receiving equipment

Including telephone answering and message recording devices; pay telephones

.387

Telephone transmission and nonterminal equipment

Including switching systems

Class comprehensive works on radio transmission in telephony in 621.3845

.388

Television

Including black-and-white television; color television; high-definition television (HDTV); digital television; wave propagation and transmission; components and devices (e.g., transmitters, semiconductors, transistors, tubes, video recorders and video recordings, cameras and components, antennas); communication systems (e.g., satellite television, cable television); stations; television sets

Class here interactive television (TV programming with interactive content and/or enhancements, e.g., interactive program guides, personalized multi-camera angles, real-time voting, video-on-demand)

.388 001

Philosophy and theory

.388 002

Miscellany

.388 002 8

Auxiliary techniques and procedures; apparatus, equipment, materials

Including maintenance and repair of broadcast and transmission equipment, comprehensive works on television repair

Class maintenance and repair of receiving sets in 621.388

.388 003–.388 009

Standard subdivisions

.389

Security, sound recording, related systems

Including public address, security, related systems; sound recording and reproducing systems; digital audio engineering; sonar; audiovisual engineering

Class telephone message recording in 621.386; class comprehensive works on acoustical communications, on audio systems covering transmission as well as recording and reproduction in 621.382

For fire alarms, see 628.9

.39

Computer engineering

Including general works on specific types of computers; specific types of processors, e.g., multiprocessors; systems analysis and design, computer architecture; circuitry; logic circuits, logic design of circuits, very large scale integration (VLSI); storage; interfacing and communications devices, peripherals (e.g., peripherals combining input and output functions, input peripherals, output peripherals); devices for special computer methods

Class here electronic digital computers, central processing units, computer reliability, general computer performance evaluation

Class selection and use of computer hardware, works treating both hardware and either programming or programs in 004; class storage of pictorial data in optical storage devices in 621.36; class Internet telephony in 621.385; class programmable calculators in 681. Class a specific application of computers with the application, e.g., use of computers to regulate processes automatically 629.8

See Manual at 004–006 vs. 621.39; also at 004.6 vs. 621.382, 621.39; also at 006.3 vs. 006.4, 621.36, 621.39

.390 28 Auxiliary techniques and procedures, apparatus, equipment, materials
 Do not use for testing and measurement; class in 621.39

.4 Prime movers and heat engineering

Standard subdivisions are added for prime movers and heat engineering together, for prime movers alone

Including Stirling engines and air motors; wind engines

Class here engines, power plants, propulsion systems

Class wind-powered generation of electricity in 621.31

For steam engineering, see 621.1; for hydraulic-power technology, see 621.2

.400 1-.400 9 Standard subdivisions

.402 Heat engineering

Including thermodynamics; heat transfer; fuels and combustion; insulation; equipment; specific heat systems not provided for elsewhere

Class solar furnaces in 621.47; class pollution by-products of combustion in 628.5

For low-temperature technology, see 621.5. For a kind of heat engineering, see the kind, e.g., geothermal engineering 621.44, heating buildings 697

See also 536 for physics of heat

.406 Turbines

Class here turbomachines

.43 Internal-combustion engines

Including specific internal-combustion engines (e.g., gas turbines and free-piston engines, spark-ignition engines, jet and rocket engines, diesel and semidiesel engines); parts and accessories of internal-combustion engines

Class generation of electricity by internal-combustion engines in 621.31

For a specific aspect of rocketry, see the aspect, e.g., rocket weapons 623.4, booster rockets 629.47; for internal-combustion engines for a specific type of transportation, see the type, e.g., internal-combustion engines of ships 623.87

.44 Geothermal engineering

.46 Electric and related motors

Standard subdivisions are added for electric and related motors together, electric motors alone

- .47 Solar-energy engineering
Including general topics of solar-energy engineering; solar collectors; solar engines; solar furnaces
Class engineering of secondary sources of solar energy with the secondary source, e.g., generation of electricity from solar radiation 621.31, wind energy 621.4
- .48 Nuclear engineering
Fission and fusion technology
Including nuclear reactors, power plants, by-products; fission reactors, nuclear steam-powered generation of electricity; comprehensive works on fission and fusion reactor, power plants, by-products; fusion reactors, fusion power plants, by-products; nuclear propulsion
For a specific application of radioisotopes, see the application, e.g., radioactive isotope therapy 615.8, radioisotope thermoelectric generation 621.31
See also 539.7 for nuclear physics
- .5 Pneumatic, vacuum, low-temperature technologies
Including air compression technology, air compressors; compressed-air transmission; pneumatic conveying and cleaning; refrigeration; freezers and refrigerators; ice manufacture; cryogenic technology
For a specific kind of pneumatic technology, see the kind, e.g., pneumatic control 629.8
- .6 Blowers, fans, pumps
Including blowers and fans; rotary blowers and fans; centrifugal blowers and fans; hand pumps, reciprocating pumps, rotary pumps, centrifugal pumps, pneumatic pumps; water-lifting devices, comprehensive works on pumps
For a specific kind of pump, see the kind, e.g., hydraulic pumps 621.2
- .8 Machine engineering
Including general topics of machine engineering (e.g., physical principles, power and speed control devices, machine design, maintenance and repair); machine parts; gears and cams; valves and pistons; power transmission systems; materials-handling equipment; cranes and elevators; fasteners; tribology; friction
Class coal pipelines in 662.6; class petroleum pipelines in 665.5; class industrial gases pipelines in 665.7. Class a specific kind of machinery not provided for here with the kind, e.g., hydraulic machinery 621.2; class a specific use of machinery with the use, e.g., gears in clocks 681.1; class manufacturing pipes of a specific material with the material, e.g., metal pipes 671.8
- .801 Philosophy and theory
Do not use for physical principles; class in 621.8
- .802 Miscellany

- .802 8 Auxiliary techniques and procedures; apparatus, equipment, materials
 Do not use for maintenance and repair; class in 621.8
 Including strength tests of mechanisms

.9 Tools

Including machine tools; pneumatic tools; hand tools; planing and milling tools; abrading and grinding tools; cutting, disassembling, sawing tools; turning tools; perforating and tapping tools; punching tools; fastening and joining equipment; pressing, impressing, molding equipment

Class here fabricating equipment

Class fasteners in 621.8. Class a specific use with the use, e.g., lathes in woodworking 684

- .900 1-.900 9 Standard subdivisions

622 Mining and related operations

Standard subdivisions are added for mining and related operations together, for mining alone

Including prospecting; exploratory operations; excavation techniques; underground (subsurface) mining; mining for specific materials (e.g., carbonaceous materials, metals, structural and sculptural stone, gems); extraction techniques of specific materials; nonextractive mining technologies (e.g., mine environment, mine drainage, mine transport systems, ore dressing, mine health and safety); nonextractive mining technologies relating to specific materials

Class reclamation after surface mining in 631.6; class extraction of oils from oil shale and tar sands in 665; class archaeological methods and equipment in 930.1028; class comprehensive technical works on petroleum in 665.5; class interdisciplinary works on mine safety in 363.11; class interdisciplinary works on petroleum in 553.2

For prospecting for water, see 628.1

See Manual at 622 vs. 662.6, 669

- .028 Auxiliary techniques and procedures; apparatus, equipment, materials
 Do not use for safety measures; class in 622

623**Military and nautical engineering**

Standard subdivisions are added for military and nautical engineering together, for military engineering alone

Including special topics of military engineering (e.g., optical engineering, electronic engineering, nuclear engineering, mechanical engineering, construction engineering); fortifications; forts and fortresses; mine laying and clearance, demolition; engineering of defense; ballistics and gunnery; military transportation technology

Class range and sighting apparatus in 623.4; class vehicles, aircraft, spacecraft in 623.74; class naval engineering in 623.8; class architectural aspects of fortifications, architectural aspects of moats, architectural aspects of naval facilities, architectural aspects of air facilities in 725

See Manual at 355–359 vs. 623

.4**Ordnance**

Including artillery; specific pieces of artillery; gun mounts; small arms and other weapons; side arms; ammunition and other destructive agents; accessories

Class mine laying and clearance in 623; class combat ships in 623.82; class artistic aspects of arms and armor in 739.7; class comprehensive works on rocketry in 621.43; class interdisciplinary works on bombs in 355.8; class interdisciplinary works on missiles in 358.1. Class vehicle-mounted small arms with the vehicle, e.g., armored cars 623.74

For combat vehicles, see 623.74

.7**Communications, vehicles, sanitation, related topics**

Including intelligence and reconnaissance topography; photography and photogrammetry; communications technology; sanitation and safety engineering; health engineering; electrical engineering; camouflage and concealment

Class comprehensive works on military electronics in 623

.74**Vehicles**

Support vehicles, combat vehicles and their ordnance

Including lighter-than-air aircraft; specific types of lighter-than-air aircraft (e.g., free balloons, airships [dirigibles], barrage balloons); comprehensive works on military balloons; heavier-than-air aircraft; comprehensive works on aircraft; motor land vehicles; air-cushion vehicles; spacecraft

Class railroad rolling stock in 623

For ammunition and other destructive agents, charge-containing devices, see 623.4; for nautical craft, see 623.82

See Manual at 629.04 vs. 388

.8 Nautical engineering and seamanship

Nautical engineering: engineering of ships and boats and their component parts

Standard subdivisions are added for nautical engineering and seamanship together, for nautical engineering alone

Including naval architecture; shipyards; design of nautical craft; hulls of nautical craft; engineering systems of nautical craft; equipment and outfit of nautical craft

Class here naval engineering, comprehensive works on military water transportation

Class naval facilities in 623; class power plants in 623.87; class use of equipment and outfit, cargo handling, comprehensive works on marine safety technology in 623.88; class harbors, ports, roadsteads in 627; class comprehensive works on nautical craft in 623.82

For onshore cargo-handling equipment, see 627

.802 8 Auxiliary techniques and procedures; apparatus, equipment, materials
 Do not use for equipment and outfit of nautical craft; class in 623.8

.82 Nautical craft

Including general types of craft (e.g., small craft, sailing ships, power-driven ships, submersible craft); craft of specific materials; ancient and medieval craft; small and medium power-driven ships; power-driven merchant and factory ships; nonmilitary submersible craft, other power-driven ships; hand-propelled and towed craft

Class shipyards, naval architecture, works limited to hulls of specific materials in 623.8; class overwater hovercraft in 629.3; class ships in bottles in 745.5928

For power plants of nautical craft, see 623.87

See Manual at 629.04 vs. 388

Lightships relocated to 623.89

.820 01 Philosophy and theory
.820 02 Miscellany
.820 022 Illustrations

Do not use for models and miniatures; class in 623.82

.820 03–.820 09 Standard subdivisions

.822 Modern wind-driven ships

Including rotor ships; pleasure craft; merchant ships; warships; work ships

Class comprehensive works on ancient, medieval, and modern wind-driven ships in 623.82

.822 022 Illustrations

Do not use for models and miniatures; class in 623.82

- .825 Power-driven warships
Including naval ordinance; specific types of combat warships (e.g., battleships, cruisers, destroyers and destroyer escorts, aircraft carriers, landing craft, submarines, light combat craft); armor, weapons
Class comprehensive works on submersible craft in 623.82
For naval artillery, charge-containing devices, see 623.4; for support warships, see 623.826
- .825 022 Illustrations
Do not use for models and miniatures; class in 623.82
- .826 Support warships and other government ships
Including minelayers and minesweepers; coast guard ships, police boats, revenue cutters; hospital ships and military transports; military supply ships
Illustrations
Do not use for models and miniatures; class in 623.82
- .87 Power plants of nautical craft
Including specific kinds of engines (e.g., steam engines, internal-combustion engines, electric engines, solar engines, nuclear engines); engine auxiliaries; fuels
Class here marine engineering
- .88 Seamanship
Including ship handling; handling various specific types of craft; specific topics of seamanship (e.g., loading and unloading of nautical craft, knotting and splicing ropes and cables, prevention of collision and grounding, wreckage studies, fire fighting technology, rescue operations); marine safety technology
Class safety equipment, wreckage studies in marine architecture in 623.8
For navigation, see 623.89. For a specific application of knotting and splicing, see the application, e.g., knotting in camping 796.54
- .880 28 Auxiliary techniques and procedures; apparatus, equipment, materials
Do not use for safety measures; class in 623.88
- .89 Navigation
Selection and determination of course
Including lightships [*formerly 623.82*]; lighthouses, light beacons, buoys, daymarks [*all formerly 627*]; navigation aids [*formerly also 627*]; geonavigation; geonavigation aids; electronic aids to geonavigation; nonelectronic aids to geonavigation
Class navigation procedures to prevent collision and grounding in 623.88; class interdisciplinary works on lighthouses in 387.1

624**Civil engineering**

Including engineering of landscape architecture

Class here construction engineering

For military construction engineering, see 623. For a specific branch of civil engineering not provided for here, see the branch, e.g., construction of buildings 690

See Manual at 624 vs. 624.1; also at 624 vs. 690

.029

Commercial miscellany

Class interdisciplinary works on quantity surveying in 692

.1**Structural engineering and underground construction**

Standard subdivisions are added for structural engineering and underground construction together, for structural engineering alone

Including foundation engineering and engineering geology; supporting structures other than foundations; structural analysis and design; mechanics of structures, structural elements, structural theory, interdisciplinary works on structural analysis and design; materials; design and construction; ventilation

Class subsurface mining in 622; class architectural aspects in 725; class comprehensive works on underwater construction in 627; class interdisciplinary works on soil surveys in 631.4. Class a specific application of structural engineering with the application, e.g., structural engineering of dams 627

For military tunnel engineering, see 623; for construction of underground waste disposal facilities, see 628.4. For a specific application of structural analysis and design, see the application, e.g., structural analysis of aircraft 629.134

See Manual at 624 vs. 624.1

.101

Philosophy and theory

Class structural theory, theory of structure in 624.1

.2**Bridges**

Including specific kinds of bridges (e.g., girder and related kinds of bridges, arch bridges, suspension and cable-stayed bridges, movable bridges); structural analysis and design; floors and foundations

Class here compound bridges, long-span bridges

Class architecture of bridges in 725

For military bridge engineering, see 623

.209 3–.209 9

Specific continents, countries, localities

Class specific bridges of a specific kind in 624.2

625**Engineering of railroads and roads**

Class tunnel engineering in 624.1; class bridge engineering in 624.2; class land transportation engineering in 629.04

.1 Railroads

Including comprehensive works on special-purpose railroads; surveying and design; permanent way (e.g., earthwork, protective structures, track, rails, track accessories); railroad yards; model and miniature railroads and trains

Class here comprehensive works on broad-gage, narrow-gage, standard-gage railroads

Class electrification of railroads in 621.33; class play with model railroads and trains in 790.1; class interdisciplinary works on railroads in 385

For military railroad engineering, see 623; for railroad rolling stock, see 625.2; for special-purpose railroads, permanent way of special-purpose railroads, see 625.3–625.6. For models and miniatures of a specific kind of special-purpose railroad, see the kind in 625.3–625.6, e.g., models of subways 625.4

Monorail systems, monorail tracks relocated to 625.4

.100 1 Philosophy and theory

.100 2 Miscellany

.100 22 Illustrations

Do not use for models and miniatures; class in 625.1

.100 3–.100 9 Standard subdivisions

.2 Railroad rolling stock

Including running gear; running gear for specific types of cars; specific types of cars (e.g., work cars [nonrevenue rolling stock], passenger-train cars, freight cars); accessory equipment; accessory equipment for specific types of cars; mechanical operation

Class here comprehensive works on specific types of cars, on rolling stock for roads with two running rails

For rolling stock for special-purpose railroads, see 625.3–625.6

See Manual at 629.04 vs. 388

Monorail rolling stock relocated to 625.4

.202 2 Illustrations

Do not use for models and miniatures; class in 625.1

.26 Locomotives

Including steam locomotives; gas-turbine locomotives; electric locomotives; air-compression-powered locomotives; diesel and semidiesel locomotives

Class running gear, accessory equipment in 625.2

.260 22 Illustrations

Do not use for models and miniatures; class in 625.1

>

625.3–625.6 Special-purpose railroads

Class here roadbeds, tracks and accessories, rolling stock

Class comprehensive works in 625.1

For mine railroads, see 622

.3

Inclined, mountain, ship railroads

Including funicular railroads; rack railroads

.4

Local rail transit systems

Including monorail systems, monorail tracks [*both formerly 625.1*]; monorail rolling stock [*formerly 625.2*]; guided-way systems; underground systems (subways); elevated systems

Class here local surface rail systems using conventional (heavy) rail technology [*formerly 625.6*], commuter rail systems, rapid transit rail systems, urban and suburban rail systems; comprehensive works on local rail transit systems with multiple transit modes

For light rail transit systems, see 625.6

.5

Cable and aerial railways

For funicular railroads, see 625.3

.6

Light rail transit systems

Including trolleybus systems; roadbeds, tracks, accessories; rolling stock; streetcars, trams, trolley cars

Class here interurban railroads (streetcar lines running between urban areas or from urban to rural areas); streetcar systems, tramways, trolley-car systems

Local surface rail systems using conventional (heavy) rail technology relocated to 625.4

.7

Roads

Including surveying and design; earthwork; dirt roads; surfacing dirt roads; maintenance and repair; roadside areas; ice crossings, traffic control equipment, protective roadside barriers

Class here highways, streets

Class grade crossings (road crossings of railroads) in 625.1; class curbs in 625.8; class interdisciplinary works on roads and highways in 388.1; class interdisciplinary works on urban roads and streets in 388.4

For military road engineering, see 623; for artificial road surfaces, see 625.8; for public lighting for roads, see 628.9; for forestry roads, see 634.9

.702 8

Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for maintenance and repair; class in 625.7

.8 Artificial road surfaces

Including pavements in specific materials (e.g., flagstones, brick and stone, wood, concretes, bituminous materials, macadam and telford surfaces); sidewalks and auxiliary pavements

Class here comprehensive works on paving

For a paving surface not provided for here, see the surface, e.g., airport runways 629.136

- 802.8 Auxiliary techniques and procedures; apparatus, equipment, materials
 Do not use for maintenance and repair; class in 625.7

[626] [Unassigned]

Most recently used in Edition 6

627 Hydraulic engineering

The branch of engineering dealing with utilization and control of natural waters of the earth

Including special topics of hydraulic engineering (e.g., hydrodynamics of waterways and water bodies, recreational waters); inland waterways; harbors, ports, roadsteads; port facilities; flood control; use of dams and reservoirs for flood control; reclamation, irrigation, related topics; comprehensive technological works on erosion and its control; underwater operations; dams and reservoirs; construction of dams and reservoirs for specific purposes

Class here hydraulic structures, water resource engineering

Class tunnels carrying canals in 624.1; class bridges carrying canals in 624.2; class architectural aspects of port facilities in 725; class comprehensive works on ocean engineering in 620; class comprehensive works on cargo-handling equipment in 623.88; class comprehensive works on engineering of groundwater in 628.1; class dune stabilization by revegetation, comprehensive works on dune stabilization in 631.6; class interdisciplinary works on land reclamation in 333.73; class interdisciplinary works on canals in 386; class interdisciplinary works on harbors, ports, roadsteads in 387.1; class interdisciplinary works on erosion in 551.3; class interdisciplinary works on rivers and streams in 551.48. Class a specific use of offshore structures with the use, e.g., use of drilling platforms in petroleum extraction 622; class flood control for and wreckage studies of a specific type of structure with the structure, e.g., flood wreckage studies of bridges 624.2; class a specific use of dams and reservoirs with the use, e.g., water storage and conservation 628.1

For water supply engineering, see 628.1; for erosion of agricultural soils and its control, see 631.4; for on-farm irrigation, see 631.5; for reclamation of agricultural soils, revegetation and surface mine reclamation, see 631.6; for diving sports, see 797.2

Navigation aids, lighthouses, light beacons, buoys, daymarks relocated to 623.89

.01 Philosophy and theory

Do not use for hydrodynamics; class in 627

628**Sanitary engineering**

Including sewers; sanitary engineering for rural and sparsely populated areas

Class here environmental engineering (environmental health engineering, environmental protection engineering), green technology (environmental technology), municipal engineering, public sanitation technology, sustainable engineering

Class road drainage in 625.7; class water pollution from agricultural wastes in 628.1; class pollution in rural and sparsely populated areas in 628.509173; class pest control in rural and sparsely populated areas in 628.9; class interdisciplinary works on environmental protection in 363.7

For military sanitary engineering, see 623; for plumbing, see 696. For a specific aspect of environmental engineering, green technology, sustainable engineering not provided for here, see the aspect, plus notation 028 from Table I, e.g., green technology in electronic circuits 621.3815028; for a specific aspect of municipal engineering not provided for here, see the aspect, e.g., road and street engineering 625.7, laying gas pipelines 665.7; for utilization of agricultural wastes in a specific technology, see the technology, e.g., utilization for biogas 665.7

See Manual at 300 vs. 600; also at 363 vs. 302–307, 333.7, 570–590, 600

.091 73

Socioeconomic regions by concentration of population

Do not use for rural regions; class in 628

.1**Water supply**

Including sources (e.g., lakes, rivers, springs, groundwater, seawater); protection and engineering evaluation of sources; storage and conservation; collection and distribution systems; water mains and service pipes; aqueducts; testing, analysis, treatment, pollution countermeasures (e.g., mechanical treatment, aeration, chemical treatment, desalinization)

Class here comprehensive works on engineering of water supply, sewers, sewage treatment and disposal

Class economic and social evaluation of adequacy, development requirements, conservation of sources in 333.91; class hydraulic engineering, construction of dams for water storage and conservation, engineering of reservoirs for water supply, comprehensive works on protection of reservoirs in 627; class sewers, water supply for rural and sparsely populated areas in 628; class interdisciplinary works on water supply in 363.6; class interdisciplinary works on water pollution countermeasures in 363.739; class interdisciplinary works on sources, on evaluation of sources in 553.7; class interdisciplinary works on fluoridation in 614.5

For construction of dams and reservoirs, see 627; for sewage treatment and disposal, pollution countermeasures that consist of sewage treatment, see 628.3. For pollution countermeasures in a specific technology other than sanitary engineering, see the technology, plus notation 028 from Table I, e.g., pollution control in metallurgy plants 669.028

See Manual at 363.6

.102 8

Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing; class in 628.1

.3 Sewage treatment and disposal

Standard subdivisions are added for sewage treatment and disposal together, for sewage treatment alone

Including treatment (e.g., disinfection, primary treatment, secondary and tertiary treatment); incineration of sludge; utilization of sludge; biosolids; disposal of sewage, sewage effluent, sewage sludge into water

Class unsewered sewage disposal in 628

For disposal by artificial recharge of groundwater, see 627; for treatment for reuse as water supply, see 628.1. For treatment and disposal of sewage in a specific technology, see the technology, plus notation 028 from Table 1, e.g., treatment of sewage from beverage plants by beverage makers 663.028; for a specific use of sludge, see the use, e.g., use as fertilizer 631.8

See Manual at 363.6

.4 Waste technology, public toilets, street cleaning

Standard subdivisions are added for waste technology, public toilets, street cleaning together; for waste technology alone

Including hazardous and toxic wastes; liquid wastes; solid wastes (refuse)

Class here industrial waste treatment and disposal

Class social services for hazardous and toxic wastes, interdisciplinary works on wastes in 363.72; class waste technology for rural and sparsely populated areas in 628; class pollution from wastes in 628.5

For liquid wastes released into bodies of water, see 628.1; for sewage treatment and disposal, see 628.3; for gaseous wastes, hazardous and toxic gaseous wastes, see 628.5. For control and utilization of wastes in a specific technology, see the technology, plus notation 028 from Table 1, e.g., waste technology in petroleum industry 665.5028; for a specific conversion technology, see the technology, e.g., converting garbage into fertilizer 668

.5 Pollution control technology and industrial sanitation engineering

Standard subdivisions are added for pollution control technology and industrial sanitation engineering together, for pollution control technology alone

Including plant sanitation; specific kinds of pollutants (e.g., pesticides); movement through environment; air pollution; gaseous wastes, dispersal of pollutants from source; soil pollution

Class here industrial pollution technology

Class air quality surveys in 363.739; class specific kinds of pollutants in water in 628.1; class interdisciplinary works on pollution in 363.73

For noise control, see 620.2; for water pollution control, see 628.1. For pollution control technology in a specific technology, see the technology, plus notation 028 from Table 1, e.g., engineering to control pollution in petroleum industry 665.5028

.9**Other branches of sanitary and municipal engineering**

Including fire safety and fire fighting technology; public lighting; pest control; household pests, comprehensive works on pest control technology; control of plant pests

Class lighting of airports in 629.136; class interdisciplinary works on fire hazards and their control in 363.37; class interdisciplinary works on pest control in 363.7

For shipboard fire fighting technology, see 623.88; for fire fighting technology in airports, see 629.136; for construction of fire engines, see 629.225; for control of agricultural pests, see 632; for forest fire technology, see 634.9. For a specific disaster and rescue technology, see the technology, e.g., first aid 616.02; for manufacture of a specific kind of equipment and supplies, see the kind, e.g., nautical fire fighting equipment 623.8, fire resistant clothing 687, fire stations 690; for fireproofing a specific product, see the product, e.g., textiles 677, buildings 693.8

Control of disease-carrying pests relocated to 614.4

629**Other branches of engineering****SUMMARY**

629.04	Transportation engineering
.1	Aerospace engineering
.2	Motor land vehicles, cycles
.3	Air-cushion vehicles (Ground-effect machines, Hovercraft)
.4	Astronautics
.8	Automatic control engineering

.04**Transportation engineering**

Including navigation; transportation equipment; vehicles; stationary transportation facilities; trafficways; engineering of transportation in specific mediums (e.g., water transportation engineering, land transportation engineering)

Class military transportation technology in 623; class operation of transportation equipment for recreational purposes in 796–797; class interdisciplinary works on transportation in 388; class interdisciplinary works on remote-control models in 796.15. Class technical problems peculiar to transportation of a specific commodity with the commodity, e.g., slurry transportation of coal 662.6

For celestial navigation, see 527; for pipes and pipelines, see 621.8; for nautical engineering and seamanship, see 623.8; for railroads, roads, highways, see 625; for inland waterways, harbors, ports, roadsteads, see 627; for aerospace engineering, see 629.1; for motor land vehicles, cycles, see 629.2; for overwater air-cushion vehicles, overland air-cushion vehicles, see 629.3; for nonmotor land vehicles, see 688.6; for transportation buildings, see 690

See Manual at 629.04 vs. 388; also at 796.15 vs. 629.04

.1 Aerospace engineering

Including mechanics and operation of aerospace flight; aerospace vehicles and stationary facilities; portable flight vehicles

Class military aerospace engineering in 623; class vehicles that function primarily in the atmosphere in 629.133; class hang gliding as a sport in 797.5. Class a specific facility with the facility, e.g., air-cushion vehicles 629.3; class mechanics and operation of a specific type of aerospace flight with the type, e.g., astromechanics 629.4

For astronautics, see 629.4; for vehicles that function primarily in space, see 629.47

.13 Aeronautics

See Manual at 629.04 vs. 388

.130 01–.130 09 Standard subdivisions

.130 1 Philosophy and theory of flight

Do not use for aeromechanics of flight, aviation meteorology; class in 629.132

.130 2–.130 8 Standard subdivisions of flight

.130 9 History, geographic treatment, biography of flight

Do not use for flight guides; class in 629.132

Record of flying activities in all types of aircraft

.130 92 Biography of flight

Class here fliers, pilots

.132 Mechanics of flight; flying and related topics

Including aerostatics; aerodynamics; comprehensive works on aeromechanics; aviation meteorology; automatic control

Class hang gliding in 629.1; class flying model airplanes, flying kites in 796.15; class air sports in 797.5

See Manual at 796.15 vs. 629.04

[.132 01–.132 09] Standard subdivisions

Do not use; class in 629.1301–629.1309

.133 Aircraft types

Including lighter-than-air aircraft; heavier-than-air aircraft

Class models and miniatures of a specific type of military aircraft, comprehensive works on models and miniatures of military aircraft in 623.74; class hang gliders in 629.1; class components of specific aircraft types in 629.134; class flying kites, flying model aircraft, interdisciplinary works on building and flying model aircraft in 796.15. Class models and miniatures of a specific aircraft component with the component in 629.134–629.135, e.g., models of flight instrumentation 629.135

See Manual at 796.15 vs. 629.04

- .133 022 **Illustrations**
 Do not use for models and miniatures; class in 629.133
- .133 028 **Auxiliary techniques and procedures; apparatus, equipment, materials**
 Do not use for testing and measurement, maintenance and repair; class in 629.134
 Class safety equipment in 629.134
- .134 **Aircraft components and general techniques**
 Including analysis and design; manufacturing and assembling; parts (e.g., airframes, airfoils, control surfaces, fuselages, engines and fuels, propellers and vertical lift rotors, rigging and bracing equipment, landing gear, escape equipment); interiors and special equipment (e.g., comfort equipment, safety equipment); tests and measurements (e.g., ground tests and inspection, flight tests)
 Class wreckage studies in 629.132
 For test and measurements, maintenance and repair of a specific type of aircraft other than airplanes in general, see 629.133. For aircraft instrumentation, see 629.135
- .134 028 **Auxiliary techniques and procedures; apparatus, equipment, materials**
 Do not use for testing and measurement, maintenance and repair; class in 629.134
- .135 **Aircraft instrumentation (Avionics)**
 Including navigation instrumentation; flight instrumentation; power-plant monitoring instrumentation; electrical systems; electronic systems
- .136 **Airports**
 Including types other than commercial land airports; details of airports (e.g., runways, lighting systems, air traffic control systems, fire fighting equipment)
 Class here commercial land airports
See Manual at 629.136 vs. 387.7

.2 Motor land vehicles, cycles

Standard subdivisions are added for motor land vehicles, cycles together; for motor land vehicles alone

Including special topics of motor land vehicles (e.g., safety engineering of motor land vehicles); design, materials, construction; chassis; bodies; specialized land vehicles (e.g., nonsurface motor land vehicles, vehicles for extraterrestrial surfaces)

Class here automotive engineering

Class military motor land vehicles in 623.7; class materials for, design, and construction of engines, electronic fuel injection systems, electronic systems of internal-combustion engines in 629.25; class comprehensive works on customizing and detailing in 629.28

For highway safety engineering, see 625.7028; for overland air-cushion vehicles, see 629.3

See Manual at 629.04 vs. 388

.202 2 Illustrations

Do not use for models and miniatures; class in 629.22

.202 8 Auxiliary techniques and procedures; apparatus, equipment

Do not use for materials; class in 629.2. Do not use for testing and measurement, maintenance and repair; class in 629.28

Class safety engineering of motor land vehicles in 629.2

.22 Types of vehicles

Including special topics of types of vehicles (e.g., off-road vehicles, natural gas vehicles); models and miniatures; other types of vehicles (e.g., steam-powered vehicles, electric-powered vehicles, air-compression-powered vehicles, solar energy-powered vehicles, nuclear-powered vehicles)

Class design, materials, construction of a specific type of vehicle; parts of a specific type of vehicle; nonsurface motor land vehicles; vehicles for extraterrestrial surfaces in 629.2; class driving a specific type of vehicle in 629.28; class operating remote-control models in 796.15; class comprehensive works on models and miniatures of military motor land vehicles in 623.74; class comprehensive works on tractors in 629.225

For trolleybuses, see 625.6

See Manual at 796.15 vs. 629.04

.220 22 Illustrations

Do not use for models and miniatures; class in 629.22

.220 28 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing and measurement, maintenance and repair; class in 629.28

Class safety accessories in 629.2

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- > 629.222–629.228 Gasoline-powered, oil-powered, man-powered vehicles
Class comprehensive works in 629.22
- .222 *Passenger automobiles
Including dune buggies, minivans, station wagons; sports cars; specific named passenger automobiles; passenger automobiles for public transportation
Class passenger automobiles rebuilt or modified for high speed, racing cars in 629.228
For guided-way systems, see 625.4; for trolleybuses, see 625.6
See also 629.223 for vans
- .223 *Light trucks
Including pickup trucks; vans
- .224 *Trucks (Lorries)
Class here tractor trailers (articulated lorries, semi-trailers)
For light trucks, see 629.223
- .225 *Work vehicles
Including bulldozers, fire engines; tractors
Class steam tractors in 629.22
For automotive materials-handling equipment, see 621.8; for trucks, see 629.224
- .226 *Campers, motor homes, trailers (caravans)
Standard subdivisions are added for any or all topics in heading
Class here comprehensive works on recreational vehicles (RVs)
Class construction of towed mobile homes in 690
For a specific kind of recreational vehicle not provided for here, see the vehicle, e.g., dune buggies 629.222
See also 629.224 for tractor trailers
See Manual at 643, 690, 728.7 vs. 629.226
- .227 *Cycles
Including monocycles; bicycles; tricycles; motorcycles; motorscooters; tandem bicycles

*Do not use notation 022 from Table 1 for models and miniatures; class in 629.22. Do not use notation 028 from Table 1 for testing and measurement, maintenance and repair; class in 629.28

- .228 *Racing cars
 Conventional and converted
 Including karts; hot rods
- .25 Engines
 Including specific types of engines (e.g., steam engines, electric engines, internal-combustion engines, air-compression engines, solar engines, nuclear engines); parts and auxiliary systems of internal-combustion engines (e.g., motor parts of internal-combustion engines; fuel systems and fuels of internal-combustion engines; ignition, electrical, electronic systems of internal-combustion engines; lubricating systems of internal-combustion engines; cooling systems of internal-combustion engines; starting devices of internal-combustion engines; throttles and spark control devices of internal-combustion engines); comprehensive works on specific kinds of parts and auxiliary systems of automotive engines
 Class here pollution control
 Class lighting equipment in 629.2
- .250 01-.250 09 Standard subdivisions
- .28 Tests, driving, maintenance, repair
 Including tests and related topics (e.g., road tests [performance tests], periodic inspection and roadability tests, wreckage studies); driving private passenger automobiles; driving vehicles other than internal-combustion passenger vehicles; services provided by garages and service stations; customizing, detailing
 Class factory inspection, maintenance and repair, testing and measurement of specific parts of vehicles other than engines in 629.2; class maintenance and repair, testing and measurement of engines, works on car tune-ups limited to maintenance and repair of engines in 629.250028
- .3 Air-cushion vehicles (Ground-effect machines, Hovercraft)**
 Including general topics of air-cushion vehicles (e.g., lift systems, propulsion systems); types of vehicles (e.g., overland air-cushion vehicles, overwater air-cushion vehicles, amphibious air-cushion vehicles)
 Class military air-cushion vehicles in 623.74
- .4 Astronautics**
 Including space flight
 Class military astronautics in 623; class unmanned space flight in 629.43; class interdisciplinary works on space policy in 333.9. Class preparation for flight to a specific celestial body with the flight, e.g., preparation for manned lunar flight 629.45
See also 500.5 for space sciences
See Manual at 629.04 vs. 388

*Do not use notation 022 from Table 1 for models and miniatures; class in 629.22. Do not use notation 028 from Table 1 for testing and measurement, maintenance and repair; class in 629.28

- .401 **Philosophy and theory**
 Do not use for astromechanics; class in 629.4
- .409 2 **Astronautical engineers**
 Class astronauts in 629.450092
- .43 **Unmanned space flight**
 Including launching; guidance and homing; mission control; flight of artificial satellites; astronautical exploratory and data-gathering flights; communications and tracking
 Class satellite flight for a specific purpose with the purpose, e.g., weather satellites 551.63
See Manual at 629.43, 629.45 vs. 559.9, 919.904
- .44 **Auxiliary spacecraft**
 Including space shuttles; space stations; space colonies, laboratories
- .45 **Manned space flight**
 Including selection and training of astronauts; launching and takeoff; guidance, homing, navigation; mission control; circumterrestrial and lunar flights; planetary flights; flights to planetary satellites; communications and tracking; piloting and related activities (e.g., rendezvous with other spacecraft, extravehicular activities, rescue operations, atmospheric entry and landing)
 Class auxiliary spacecraft in 629.44
For communication and tracking, see 629.43
See Manual at 629.43, 629.45 vs. 559.9, 919.904
- .450 01-.450 09 **Standard subdivisions**
- .46 **Engineering of unmanned spacecraft**
 Class here artificial satellites
- .47 **Astronautical engineering**
 Including structural analysis and design of spacecraft; spacecraft materials and components; spacecraft construction; spacecraft engineering systems; propulsion systems; booster rockets, engines; environmental control and life-support systems; terrestrial facilities
 Class here comprehensive works on spacecraft
 Class comprehensive works on rocketry in 621.43
For auxiliary spacecraft, see 629.44; for engineering of unmanned spacecraft, see 629.46

.8 Automatic control engineering

Including special topics of automatic control engineering (e.g., hydraulic control, electric control, pneumatic control); open-loop systems; closed-loop systems (feedback systems); computer control; electronic control, comprehensive works on computer control

Class here automatas that are not computer controlled

Class interdisciplinary works on control theory in 003. Class a specific application with the application, e.g., numerical control of machine tools 621.9

For computer factory operations in manufacturing, see 670.42

.801 Philosophy and theory

Class control theory in 629.8

630 Agriculture and related technologies

Standard subdivisions are added for agriculture and related technologies together, for agriculture alone

Class here farming, farms, plant crops; interdisciplinary works on plants of agricultural importance

Class agricultural sociology in 306.3; class agricultural economics in 338.1

For a specific nonagricultural aspect of domestic plants, see the aspect, e.g., biology of domestic plants 580

See also 307.72 for rural sociology; also 333.76 for agricultural land economics; also 909 for general works on rural conditions and civilization; also 930–990 for rural conditions and civilization in specific areas

See Manual at 571–575 vs. 630; also at 630 vs. 579–590, 641.3

SUMMARY

630.1–9	Standard subdivisions
631	Specific techniques; apparatus, equipment, materials
632	Plant injuries, diseases, pests
633	Field and plantation crops
634	Orchards, fruits, forestry
635	Garden crops (Horticulture)
636	Animal husbandry
637	Processing dairy and related products
638	Insect culture
639	Hunting, fishing, conservation, related technologies

.1 Philosophy and theory

Do not use for scientific principles; class in 630.2

.2 Miscellany

Including scientific principles

For agricultural genetics, see 631.5

[.22-.29] Specific miscellany

Do not use for specific miscellany other than apparatus, equipment, materials; class in 630.2. Do not use for apparatus, equipment, materials; class in 631

631 Specific techniques; apparatus, equipment, materials

Topics common to plant and animal husbandry or limited to plant culture

Class comprehensive works on apparatus, equipment, materials used in a specific auxiliary technique or procedure in 630.2, e.g., computers 630.2

For plant injuries, diseases, pests, see 632; for specific techniques, apparatus, equipment, materials for specific plant crops, see 633–635; for specific techniques, apparatus, equipment, materials for animal husbandry, see 636.08

[.01–.09] Standard subdivisions

Do not use; class in 630.1–630.9

.2 Agricultural structures

Including farmhouses; general-purpose buildings; barns; machine and equipment sheds; fences, hedges, walls; roads, bridges, dams

Class construction of bridges in 624.2; class construction of farm roads in 625.7; class construction of dams in 627; class construction of farm buildings and structures, construction of farmhouses in 690

For housing for domestic animals, see 636.08

.3 Tools, machinery, apparatus, equipment

Including workshops; equipment for care and shelter of plants; power and power machinery

Class manufacture of tools, machinery, apparatus, equipment in 681. Class manufacture of a specific article with the article, e.g., tractors 629.225

For equipment for a specific purpose, see the purpose, e.g., greenhouses 631.5; for a specific use of power and power machinery, see the use, e.g., use of combines 633.1

See also 631.2 for agricultural structures

.4 Soil science

Including soil chemistry; soil fertility, acidity, alkalinity; soil physics; soil classification; soil erosion; control of soil erosion, soil conservation, comprehensive agricultural works on soil and water conservation; soil biology; soil and land-use surveys

Class here interdisciplinary works on soils

Class use of soil conditioners in 631.8; class comprehensive technological works on soil erosion in 627; class comprehensive works on crop rotation in 631.5; class interdisciplinary works on soil conservation in 333.73; class interdisciplinary works on soil erosion in 551.3; class interdisciplinary works on soil mechanics in 624.1

For tillage for water conservation, see 631.5; for revegetation, see 631.6; for water conservation, see 631.7; for use of fertilizers, see 631.8. For a specific aspect of soils, see the aspect, e.g., soil formation 551.3, engineering use of soils 624.1

.401 Philosophy and theory

Do not use for classification of soils, scientific principles; class in 631.4

[.409] History, geographic treatment, biography

Do not use; class in 631.4

.5 Cultivation and harvesting

Standard subdivisions are added for cultivation and harvesting together, for cultivation alone

Including soil working (tillage); cultivation limited to tillage; production of seeds, bulbs, tubers, new varieties; nursery practice, plant breeding; plant propagation; comprehensive works on plant propagation and nursery practice; grafting, pruning, training; operations subsequent to harvesting; varieties and kinds of organisms used in agriculture; description of cultivated varieties that contain little or no information on how to grow them; special methods of cultivation

Use this number for irrigation only for works describing what is done on the farm, e.g., installation and use of sprinkler systems

Class special methods of cultivation as topics in land economics in 333.76; class special methods of cultivation as topics in agricultural economics in 338.1; class biology of varieties of agricultural plants in 580; class digging wells in 628.1; class interdisciplinary works on irrigation in 333.91; class interdisciplinary works on germ plasm in 333.95; class interdisciplinary works on technological aspects of irrigation, works on obtaining irrigation water from off-farm sources in 627

Most works on grafting and pruning will be classed in 634 or in 635.9. Most works on use of artificial light in agriculture and on soilless culture will be classed in 635

For sewage irrigation, see 628.3; for conservation tillage, crop rotation to control erosion, see 631.4; for greenhouse gardening, organic gardening, see 635. For a specific aspect of organic farming, see the aspect, e.g., compost 631.8

See Manual at 338.1 vs. 631.5

.6 Clearing, drainage, revegetation

Class here reclamation

Class reforestation in 634.9; class interdisciplinary works on technological aspects of reclamation, off-farm drainage projects, interdisciplinary works on technological aspects of drainage in 627

.7 Water conservation

For tillage for water conservation, see 631.5

.8 Fertilizers, soil conditioners, growth regulators

Standard subdivisions are added for fertilizers, soil conditioners, growth regulators together; for fertilizers alone

Including specific kinds of fertilizers (e.g., potassium fertilizers, nitrogen fertilizers, phosphorus fertilizers, organic fertilizers, vegetable manures and converted household garbage); nutritive principles, complete fertilizers, methods of application; animal wastes

Class here interdisciplinary works on agricultural chemicals

Class comprehensive works on soil fertility in 631.4

For pesticides, see 632; for manufacture of agricultural chemicals, see 668

632 Plant injuries, diseases, pests

Standard subdivisions are added for plant injuries, diseases, pests together; for plant injuries alone

Including specific diseases and pests (e.g., galls, fungus diseases, weeds, animal pests, insect pests, virus diseases); control of specific diseases; damages caused by environmental factors; damages caused by climatic change, by weather; general topics of pest and disease control; control of animal pests, integrated pest management; interdisciplinary works on pesticides [formerly also 668]

Class here pathology of agricultural plants; comprehensive works on plant and animal injuries, diseases, pests

Class works on both physiology and pathology of agricultural plants in 571.2; class use of agricultural plants in studies of basic pathological processes in 571.9; class interdisciplinary works on pests, works on pest control services in 363.7; class interdisciplinary works on environmental effects of pesticides in 363.738; class interdisciplinary works on pest control technology in 628.9

For injuries, diseases, pests of specific plant crops, see 633–635; for predator control in animal husbandry, see 636.08; for veterinary medicine, see 636.089; for manufacture of pesticides, see 668

>

633–635 Specific plant crops

Class comprehensive works in 630

See Manual at 633–635

633 Field and plantation crops

Large-scale production of crops intended for agricultural purposes or industrial processing other than preservation

Standard subdivisions are added for either or both topics in heading

Class truck farming in 635

For a specific field or plantation crop not provided for here, see the crop, e.g., bananas 634

[.028] Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for auxiliary techniques and procedures; class in 630.2. Do not use for apparatus, equipment, materials; class in 631

.1 Cereals

Including grain amaranths; cultivation, harvesting, related topics; wheat; buckwheat; oats; rye; corn; barley; millets, grain sorghums, upland and wild rice; rice

Class sweet sorghums in 633.6; class sweet corn in 635

For cereal crops grown for forage, see 633.2; for popcorn, see 635

.2 Forage crops

Including pastures and their grasses; range management; cultivation, harvesting, related topics of forage crops; bluegrasses; orchard grass; bent grasses; timothy; cereal grasses; sedges

Class here forage grasses, Pooideae grasses

Class pasture use of forests in 634.9; class comprehensive works on ranches and farms devoted to livestock in 636

For forage crops other than grasses, see 633.3

.200 1-.200 9 Standard subdivisions

.3 Legumes, forage crops other than grasses and legumes

Standard subdivisions are added for legumes and forage crops other than grasses and legumes together, for legumes alone

Including cultivation, harvesting, related topics; alfalfa; trifolium clovers; trefoils; cowpeas; soybeans; vetches; bush clovers, sweet clovers, lupines, peanuts, field peas

Class here forage legumes, grain legumes

Class interdisciplinary works on legumes as food in 641.3

For leguminous fruits, see 634; for garden legumes, see 635

.5 Fiber crops

Including specific soft fibers (e.g., cotton, flax, hemp [*cannabis sativa*], jute, ramie); hard fibers

Class here soft-fiber crops

Class fiber plants grown for paper pulp in 633.8

.6 Sugar, syrup, starch crops

Standard subdivisions are added for sugar, syrup, starch crops together; for sugar crops alone; for syrup crops alone

Including sugarcane; sorgo; sugar beets; sugar maples

Class a crop raised for starch and another product with the other product, e.g., potatoes 635

.7 Alkaloidal crops

Including tobacco; tea; coffee; cacao; poppies (*Papaver somniferum*); kola nuts (cola nuts); maté; chicory; marijuana; hashish

.8 Other crops grown for industrial processing

Including perfume-producing plants; flavoring-producing plants; spices; sweet spices; hot spices; plants producing nonvolatile oils; oilseed plants; dye-producing plants; tannin-producing plants; medicine-producing plants; crops grown for other industrial purposes (e.g., rubber-producing and resin-producing plants, insecticide-producing plants)

For alliaceous plants, aromatic and sweet herbs, see 635. For a specific plant producing a nonvolatile oil not provided for here, see the plant, e.g., corn 633.1; coconuts 634; olives 634

For a crop producing medicine as a secondary product, see the primary product, e.g., poppy 633.7

634**Orchards, fruits, forestry**

Fruits: reproductive bodies of seed plants having an edible more or less sweet pulp associated with the seed

Standard subdivisions are added for orchards, fruits, forestry together; for orchards alone; for fruits alone

Including cultivation, harvesting, related topics of orchards, of fruits, of trees; specific orchards and their fruits (e.g., pomaceous fruits, stone fruits, citrus and moraceous fruits, nuts, tropical and subtropical fruits); berries and herbaceous tropical and subtropical fruits; comprehensive works on small fruits

Class here comprehensive works on tree crops

Class comprehensive works on legumes in 633.3

For trees grown for plantation crops, see 633; for pepos, see 635; for ornamental trees, see 635.9

.8 Grapes

Including injuries, diseases, pests; varieties and kinds; cultivation and harvesting

Class here viticulture

.9 Forestry

Including general topics of forestry (e.g., forest management, access and safety features, silviculture, injuries, diseases, pests); kinds of trees (e.g., dicotyledons, monocotyledons, gymnosperms); forest exploitation and products; logging, logs, comprehensive works on lumbering; agroforestry

Class nonwoody plants grown for paper pulp in 633.8; class lumber in 674; class comprehensive works on management in forestry in 634.9068; class interdisciplinary works on afforestation, interdisciplinary works on reforestation in 333.75. Class trees cultivated for a specific product other than lumber or pulp with the product, e.g., turpentine trees 633.8, pecan trees 634

For sawmill operations, see 674

.906 8 Management

Do not use for management of production; class in 634.9

635 Garden crops (Horticulture)

Including cultivation, harvesting, related topics; specific edible garden crops (e.g., edible roots; edible tubers and bulbs; edible leaves, flowers, stems; cooking greens, rhubarb; salad greens; edible garden fruits and seeds; aromatic and sweet herbs; mushrooms and truffles)

Class here vegetables (crops grown primarily for human consumption without intermediate processing other than cooking and preservation); home gardening, truck farming

Class orchards in 634; class comprehensive works on legumes in 633.3

For cassava, taro, see 633.6

.9 Flowers and ornamental plants

Standard subdivisions are added for either or both topics in heading

Including groupings of plants (e.g., groupings by life duration; taxonomic groupings, plants propagated from bulbs and tubers, groupings by environmental factors, groupings by special areas and purposes, other groupings of ornamental plants [e.g., everlasting, vines, foliage plants, shrubs and hedges, trees]), specific techniques; apparatus, equipment, materials; injuries, diseases, pests; special methods of cultivation in floriculture (e.g., controlled-environment gardening, bell-jar gardening, container gardening, organic gardening)

Class here floriculture

Class hedges used as fences in 631.2; class landscape architecture of flower gardens in 712; class flower arrangement in 745.92; class comprehensive works on special methods of cultivating vegetables and ornamental plants in 635

For planting and cultivation of roadside vegetation, see 625.7; for butterfly gardening, see 638

See Manual at 635.9 vs. 582.1

.902 8

Auxiliary techniques and procedures

Do not use for apparatus, equipment, materials; class in 635.9

636 Animal husbandry

Including ranches and farms; young of animals

Class here interdisciplinary works on species of domestic mammals

Class feeding livestock, production and maintenance, rearing for specific purposes, veterinary medicine of young animals in 636.08

For culture of nondomesticated animals, see 639. For a specific nonagricultural aspect of domestic mammals, see the aspect, e.g., biology 599

See Manual at 800 vs. 398.24, 590, 636

SUMMARY

636.001-.009		Standard subdivisions
	.08	Specific topics in animal husbandry
	.1	Horses
	.2	Cattle and related animals
	.3	Sheep and goats
	.4	Swine
	.5	Chickens and other kinds of domestic birds
	.6	Birds other than poultry
	.7	Dogs
	.8	Cats
	.9	Other mammals

.001

Philosophy and theory

Do not use for genetics; class in 636.08

.002

Miscellany

Do not use for ownership marks; class in 636.08

- .003-.006 Standard subdivisions
- .007 Education, research, related topics
- .007 9 Competitions, festivals, awards, financial support
Do not use for animal shows and related awards; class in 636.08
- .008-.009 Standard subdivisions
- .08 Specific topics in animal husbandry
Including selection, showing, ownership marks; breeding; care, maintenance, training; stable management; feeding; feeds and applied nutrition; field-crop feeds
Class growing forage crops in 633.2; class ranches and farms, young of animals in 636; class training for a specific purpose in 636.088; class veterinary care of animals in 636.089; class construction of housing for domestic animals in 690; class interdisciplinary works on livestock genetic resources in 333.95
For development of pasturage, see 633.2; for pasture use of forests, see 634.9; for predator control in wildlife conservation, see 639.9
- [.080 1-.080 9] Standard subdivisions
Do not use; class in 636.001–636.009
- .088 Animals for specific purposes
Including beasts of burden; draft animals, pack animals; animals raised for food; animals raised for special products (e.g., animals raised for eggs and milk, animals raised for hide, animals raised for hair and feathers); laboratory animals; work animals; pets; obedience training; sport and stunt animals; zoo animals
Class show animals in 636.08; class veterinary medicine of animals for specific purposes in 636.089; class fur farming in 636.97; class milk processing, egg processing in 637; class reminiscences about and true accounts of pets in 808.88. Class reminiscences about and true accounts of pets in a specific literature with the literature in 800, plus notation 8 from Table 3 under the appropriate language, e.g., reminiscences in English about pets 828; class literary treatment of pets other than reminiscences with the appropriate literary form in 800, e.g., a late 20th century English novel about pets 823
See Manual at 800 vs. 398.24, 590, 636
- .089 Veterinary medicine
Class here veterinary sciences
Class animal welfare, animal hospitals in 636.08

.1 Horses

Including miniature horses; specific breeds and kinds of horses (e.g., oriental horses, racehorses, saddle horses [riding horses], carriage horses, draft horses, ponies, light harness horses); other equines (e.g., donkeys [burros], mules)

Class here equines

Class training of riders and drivers, comprehensive works on training horses and their riders and drivers in 798

For wild mustang, see 599.665

.100 1-.100 9 Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

.2 Cattle and related animals

Standard subdivisions are added for cattle and related animals together, for cattle alone

Including cattle for specific purposes; production, maintenance, training; specific breeds of cattle (e.g., British breeds of cattle; German, Dutch, Danish, Swiss breeds of cattle; French and Belgian breeds of cattle; other European breeds of cattle; non-European breeds of cattle); other larger ruminants and Camelidae

Class here bovids, bovines, ruminants

Class milking and milk processing in 637

For sheep and goats, see 636.3; for Tragulidae, see 636.9

.200 1-.200 9 Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

.3 Sheep and goats

Standard subdivisions are added for sheep and goats together, for sheep alone

Including sheep for specific purposes; production, maintenance, training; specific breeds of sheep (e.g., British breeds of sheep; German, Dutch, Swiss breeds of sheep; French and Belgian breeds of sheep; Italian breeds of sheep; Merino breeds; other European breeds of sheep; non-European breeds of sheep)

.300 1-.300 9 Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

.4 Swine

Including specific breeds of swine (e.g., European breeds of swine; non-European breeds of swine)

.400 1-.400 9 Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

.5**Chickens and other kinds of domestic birds**

Standard subdivisions are added for chickens and other kinds of domestic birds together, for chickens alone

Including poultry for specific purposes; production, maintenance, training; specific breeds of chickens (e.g., European breeds of chickens; Non-European and diminutive breeds of chickens); other poultry (e.g., turkeys, guinea fowl, pheasants, peafowl, pigeons, ducks, geese)

Class here poultry, comprehensive works on raising birds, interdisciplinary works on species of domestic birds

For birds other than poultry, see 636.6. For a specific nonagricultural aspect of domestic birds, see the aspect, e.g., biology of domestic birds 598

.500 1–500 9

Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

.6**Birds other than poultry**

Including birds raised for feathers; game birds; ornamental birds, songbirds, hawks; aviary birds, cage birds; ratites

Class comprehensive works on birds in 636.5

For peafowl, see 636.5

.7**Dogs**

Including breeds of dogs

Class specific breeds in 636.72–636.75

See Manual at 636.7 vs. 636.73, 636.752

.700 1–700 9

Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

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636.72–636.75 Specific breeds and groups of dogs

Class comprehensive works in 636.7

For toy dogs of any breed, see 636.76

See Manual at 636.72–636.75

.72**Nonsporting dogs**

Including bichon frise, Boston terrier, bulldog, Chinese Shar-Pei, chow chow, Dalmatian, Finnish spitz, French bulldog, Keeshond, Lhasa apso, Schipperke, Tibetan spaniel, Tibetan terrier; poodles; miniature poodle

Class here utility breeds (United Kingdom)

Class comprehensive works on terriers in 636.755

.73

Working and herding dogs

Standard subdivisions are added for working and herding dogs together, for working dogs alone

Including sled dogs, watchdogs (guard dogs)

Including akita, Alaskan Malamute, Bernese mountain dog, boxer, bullmastiff, Eskimo dogs, Great Dane, Great Pyrenees, Komondor, Kuvasz, mastiffs, Newfoundland, Portuguese water dog, Rottweiler, Saint Bernard, Samoyed, Schnauzers (standard and giant), Siberian husky; Doberman pinscher

Class Finnish spitz in 636.72; class Norwegian elkhound in 636.753; class miniature Schnauzer in 636.755; class miniature pinscher in 636.76

See also 636.7 for dogs as working animals

See Manual at 636.7 vs. 636.73, 636.752

.737

Herding dogs

Including Australian cattle dog, Belgian Malinois, Belgian Tervuren, Bouvier des Flandres, Briard, Puli, Welsh corgis; sheep dogs; collies; German shepherd dog

.75

Sporting dogs, hounds, terriers

Class here hunting dogs, sporting dogs (United Kingdom)

.752

Sporting dogs

Including Brittany, Vizsla, Weimaraner, wirehaired pointing griffon; spaniels; pointers; setters; retrievers

Class here bird dogs, gundogs (United Kingdom)

See also 636.7 for dogs as sport animals

.753

Hounds

Including Norwegian elkhound; gazehounds (sighthounds); Afghan hound; greyhound; wolfhounds; beagle; dachshund

Class Italian greyhound, miniature dachshund in 636.76; class greyhound racing in 798.8

.755

Terriers

Including miniature Schnauzer; bull terriers; pit bull terriers

For Boston and Tibetan terriers, see 636.72; for toy terriers, see 636.76

.76

Toy dogs

Including affenpinscher, Brussels griffon, Chihuahua, Chinese crested, English toy spaniel, Italian greyhound, Japanese chin, Maltese, Mexican hairless (xoloitzcuintli), miniature dachshund, miniature pinscher, Papillon, Pekingese, Pomeranian, pug, shih tzu, silky terrier, toy Manchester terrier, toy poodle, Yorkshire terrier

Class miniature poodle in 636.72; class miniature Schnauzer in 636.755

.8 Cats

Including specific breeds and kinds of domestic cats (e.g., shorthair cats, longhair cats); nondomestic cats

.800 1–.800 9 Standard subdivisions

Notation from Table 1 as modified under 636.001–636.009

.9 Other mammals

Class here other mammals as pets

Add to base number 636.9 the numbers following 599 in 599.2–599.8, e.g., rodents 636.935, fur-bearing animals 636.97; however, for equines, see 636.1; for ruminants other than mouse deer, see 636.2; for cat family, see 636.8

637 Processing dairy and related products

Including milk processing; butter processing; cheese processing; manufacture of frozen desserts; ice cream; egg processing

Class raising hens for eggs, raising poultry other than chickens for eggs in 636.5; class comprehensive works on dairy farming in 636.2

638 Insect culture

Including bee keeping (apiculture); silkworms

639 Hunting, fishing, conservation, related technologies

Including trapping; mollusk fisheries and culture; comprehensive works on harvest and culture of invertebrates, on shellfish fisheries and culture; crustacean fisheries; crustacean culture; harvest and culture of invertebrates other than mollusks and crustaceans

Class here culture of nondomesticated animals

Class comprehensive works on commercial and sports hunting in 799.2

For insect culture, see 638; for sports hunting and fishing, see 799

.091 6 Treatment in air and water

Class aquaculture in 639.8

.2 Commercial fishing, whaling, sealing

Standard subdivisions are added for commercial fishing, whaling, sealing together; for commercial fishing alone

Including fishing in specific types of water (e.g., fishing in fresh water, fishing in salt waters); deep-sea fishing; fishing for specific kinds of fishes

Class here works on fisheries encompassing culture as well as capture, on fisheries encompassing invertebrates as well as fishes

Class fisheries for invertebrates in 639; class comprehensive works on aquaculture in 639.8

For culture of fishes, see 639.3

.3 Culture of cold-blooded vertebrates

Including fish culture in fresh water; fishponds, freshwater fish farming; fish culture in salt waters; culture of amphibians and specific kinds of fishes; reptile culture

Class here cold-blooded vertebrates as pets; culture of fishes

Class fish culture in freshwater aquariums, fish culture in marine aquariums in 639.34

.34 Fish culture in aquariums

Including marine aquariums; institutional aquariums

Class here freshwater aquariums, home aquariums

Class interdisciplinary works on aquariums, on educational and scientific aquariums in 597.073

.8 Aquaculture

Including aquaculture of plants

Class here mariculture

Class hydroponics in 631.5. Class aquaculture of a specific kind of animal with the kind, e.g., aquaculture of fishes 639.3

.9 Conservation of biological resources

Including specific topics in conservation (e.g., habitat improvement; population control; maintenance of reserves and refuges; control of injuries, diseases, pests); plant conservation

Class here conservation of animals, game animals, mammals, vertebrates, wildlife; game protection

Class specific topics in conservation of specific kinds of animals in 639.97; class comprehensive works on pest control in agriculture in 632; class comprehensive works on predator control in agriculture in 636.08; class interdisciplinary works on conservation of biological resources, interdisciplinary works on conservation of animals, vertebrates, mammals in 333.95

See also 636.088 for raising warm-blooded game animals

.97 Specific kinds of animals

Other than vertebrates taken as a whole, mammals taken as a whole

Class comprehensive works on conservation of mammals in 639.9

See Manual at 333.95 vs. 639.97

[.970 1–.970 9] Standard subdivisions

Do not use; class in 639.901–639.909

640 Home and family management

Standard subdivisions are added for home and family management together, for home management alone

Including specific aspects of home management (e.g., helpful hints and miscellaneous recipes, time management, management of household employees)

Class here home economics, household management

Use 640 for housekeeping covering activities related to running the home, e.g., preparing meals and doing routine repairs as well as cleaning. Use 648 for housekeeping limited to cleaning

Class personal health in 613; class management of public households, management of institutional household employees in 647; class interdisciplinary works on time management in 650.1

SUMMARY

640.1–9 Standard subdivisions; evaluation and purchasing guides

641 Food and drink

642 Meals and table service

643 Housing and household equipment

644 Household utilities

645 Household furnishings

646 Sewing, clothing, management of personal and family life

647 Management of public households (Institutional housekeeping)

648 Housekeeping

649 Child rearing; home care of people with disabilities and illnesses

.28 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for maintenance and repair; class in 643

.29 Commercial miscellany

Do not use for evaluation and purchasing manuals; class in 640.73

.6 Organizations

[.68] Management

Do not use; class in 640

.7 Education, research, related topics; evaluation and purchasing guides

Notation 07 from Table 1 as modified below

.73 Evaluation and purchasing guides

Class here consumer education for home and personal needs

Class comprehensive works on managing household money in 332.024; class interdisciplinary evaluation and purchasing guides and works on consumer education in 381.3. Class evaluation and purchasing guides for a specific product or service with the product or service, plus notation 029 from Table 1, e.g., manual on evaluating automobiles 629.222029

641**Food and drink**

Class applied nutrition in 613.2

For meals and table service, see 642

SUMMARY

641.01	Philosophy and theory
.2	Beverages (Drinks)
.3	Food
.4	Food preservation and storage
.5	Cooking
.6	Cooking specific materials
.7	Specific cooking processes and techniques
.8	Cooking specific kinds of dishes and preparing beverages

.01 Philosophy and theory

Including gastronomy; pleasures of food and drink, comprehensive works on the slow food movement

For a specific aspect of the slow food movement, see the aspect, e.g., purchasing food at farmers markets 381, growing heirloom tomatoes 635, slow food cooking in restaurants 641.5

.2 Beverages (Drinks)

Including alcoholic beverages; wine; grape wine; brewed and malted beverages; beer, ale; distilled liquor; nonalcoholic beverages

Class here interdisciplinary works on beverages

Class home preparation of alcoholic beverages, bartending, home preparation of wine, home brewing in 641.87; class comprehensive works on nutritive values of beverages in 613.2

For specific nonalcoholic beverages made from a single principal ingredient, e.g., orange juice, see 641.3; for nonalcoholic beverages made from multiple ingredients, see 641.87. For a specific aspect of beverages, see the aspect, e.g., manufacture (commercial preparation) 663

.3 Food

Including health foods; natural foods, organically grown foods; food from plants; vegetarian foods; food from animals; food additives; evaluation and purchasing manuals; specific food from plant crops; nutritive values; specific food from animals (e.g., meat, dairy and related products, honey, game and seafood)

Class here interdisciplinary works on food

Class dietetics in 613.2; class comprehensive works on applied nutrition in 613.2

For interdisciplinary works on specific dishes, see 641.8. For a specific aspect of food, see the aspect, e.g., manufacture (commercial preparation) 664

See Manual at 363.8 vs. 613.2, 641.3; also at 630 vs. 579–590, 641.3

.300 1

Philosophy and theory

- .300 2 Miscellany
 .300 29 Commercial miscellany
 Do not use for evaluation and purchasing manuals; class in 641.3

.300 3–.300 9 Standard subdivisions

.4 Food preservation and storage

Standard subdivisions are added for food preservation and storage together, for food preservation alone

Including preservation techniques for fruit and vegetables, for food as a whole (e.g., preliminary treatment; canning; drying and dehydrating; low-temperature techniques; pickling, brining, smoking); meat

Class interdisciplinary works on food preservation in 664

.5 Cooking

Preparation of food with and without use of heat

Including cooking specific meals (e.g., first meal of the day, light meals, main meal of the day); beginner and gourmet cooking; money-saving and timesaving cooking; cooking for special situations, reasons, ages (e.g., cooking for one or two people; cooking for health, appearance, personal reasons; seasonal cooking; cooking for Christian church limitations and observances; cooking for religious limitations and observances; cooking for special occasions); quantity, institutional, travel, outdoor cooking; short-order cooking; cooking with specific fuels, appliances, utensils

Class menus and meal planning in 642; class comprehensive works on vegetarian foods in 641.3; class comprehensive works on baby food in 641.30083; class comprehensive works on techniques of barbecuing in 641.7; class comprehensive works on food service and cooking for parties in 642. Class a specific use of a specific appliance or utensil with the use, e.g., frying with frying pans 641.7

For cooking specific materials, see 641.6; for specific cooking processes and techniques, see 641.7; for cooking specific kinds of dishes, preparing beverages, see 641.8

- .502 Miscellany
 .502 8 Auxiliary techniques and procedures
 Do not use for apparatus, equipment, materials; class in 643
- .508 Cooking with respect to groups of people
 .508 3 Cooking with respect to young people
 Do not use for cooking by children, cooking for young people; class in 641.5
- .508 4 Cooking with respect to people in specific ages of adulthood
 Do not use for cooking for people in specific ages of adulthood; class in 641.5
- .508 7 Cooking with respect to people with disabilities, gifted people
 Do not use for cooking for people with illnesses; class in 641.5

- .508 8 Cooking with respect to occupational groups
Do not use for cooking with respect to religious groups; class in 641.5
- [.508 9] Cooking with respect to ethnic and national groups
Do not use for Jewish cooking; class in 641.5. Do not use for cooking with respect to other ethnic and national groups; class in 641.59
- .509 History, geographic treatment, biography
Do not use for cooking characteristic of specific geographic environments; class in 641.59
Class here collections of recipes from specific restaurants
- .59 Cooking characteristic of specific geographic environments, ethnic cooking
Including cooking characteristic of areas, regions, places in general
Class here gourmet cooking characteristic of specific geographic environments, ethnic cooking together; international cooking
Class Jewish cooking in 641; class cooking specific meals; beginner and gourmet cooking; money-saving and timesaving cooking; cooking for special situations, reasons, ages; quantity, institutional, travel, outdoor cooking; short-order cooking; cooking with specific fuels, appliances, utensils in 641.5; class history and geographic treatment of general cooking, collections of recipes from specific restaurants, in 641.509
- .593–.599 Cooking characteristic of specific continents, countries, localities
Add to base number 641.59 notation 3–9 from Table 2, e.g., Mexican cooking 641.5972
Class ethnic cooking of nondominant groups in 641.59
- .6 Cooking specific materials**
Including cooking preserved foods; cooking with beverages and their derivatives; specific foods (e.g., cooking food derived from plant crops and domesticated animals, cooking with honey, cooking game and seafood)
Class home preservation in 641.4; class vegetarian cooking in 641.5; class specific kinds of dishes featuring specific materials in 641.8; class home preparation of beverages in 641.87
For leftovers, see 641.5
- .7 Specific cooking processes and techniques**
Including baking and roasting; braising, boiling, simmering, steaming, stewing; barbecuing, broiling, grilling; frying and sautéing; preparation of cold dishes; chilled dishes
Class specific processes applied to specific materials in 641.6; class specific processes applied to specific kinds of dishes, preparing beverages in 641.8
For barbecuing, broiling, grilling at outdoor grills, see 641.5
- [.701–.709] Standard subdivisions
Do not use; class in 641.501–641.509

.8 Cooking specific kinds of dishes and preparing beverages

Class here interdisciplinary works on specific dishes

For manufacture (commercial preparation) of complete dishes, see 664

[.801-.809] Standard subdivisions

Do not use; class in 641.501–641.509

.81 Side dishes, sauces, garnishes

Standard subdivisions are added for side dishes, sauces, garnishes together; for side dishes alone

Side dishes other than salads, sandwiches, desserts

Including fondues, stuffing; appetizers; finger foods, hors d'oeuvres, savories, starters, tapas; soups; sauces and salad dressings; bread and bread-like foods; yeast breads, comprehensive works on baked goods

Class here specific side dishes treated as entrées

Class main dishes based on bread and bread-like foods in 641.82; class sandwiches and related dishes in 641.84

For pastries, see 641.86

.82 Main dishes

Including quiches, soufflés, sushi; casserole dishes; noodle and pasta dishes; stews; meat and cheese pies

Class here entrées, one-dish cooking

Class a side dish, salad, sandwich or stuffed food regarded as a main dish with the topic elsewhere in 641.8, e.g., soup 641.81, hamburger on a roll 641.84

.83 Salads**.84 Sandwiches and related dishes**

Standard subdivisions are added for either or both topics in heading

Class here sandwiches and related dishes of any type, e.g., open-faced sandwiches, grilled sandwiches, wraps

.85 Preserves and candy

Including jams, jellies, marmalades, preserves

.86 Desserts

Including frozen desserts; ice cream; ices, sherbet, sorbet; gelatin desserts; puddings; pastries

Class here comprehensive works on candies and desserts

Class comprehensive works on baked goods in 641.81

For preserves and candy, see 641.85

.87

Preparing beverages

Including wine; alcoholic brewed beverages; beer, ale; alcoholic beverages; bartending, comprehensive works on cocktails (mixed drinks); nonalcoholic beverages; nonalcoholic brewed beverages

Class cooking with cocoa, coffee, tea in 641.6; class interdisciplinary works on beverages in 641.2

For bottled and canned cocktails, see 663

See also 641.6 for cooking with beverages

642**Meals and table service**

Including meals in specific situations (e.g., meals for home, family, individuals; meals for camp, picnic, travel; meals for social and public occasions; meals in public and institutional eating places); comprehensive works on meals and table service in specific situations; table service at specific meals, waiting on tables; table furnishings; table decorations

Class here menus, menu cookbooks, specific meals

Class party cooking, comprehensive works on cookbooks in 641.5; class catering that includes restaurant operations, operation of public eating places in 647.95; class interdisciplinary works on entertaining in 793.2

643**Housing and household equipment**

Works for owner-occupants or renters covering activities of members of household

Including specific areas of the home (e.g., kitchens, eating and drinking areas, other areas of the home [e.g., bathrooms; bedrooms; living rooms, drawing rooms, parlors; recreation areas; study and work areas]); special-purpose housing and special kinds of housing; appliances and laborsaving installations; renovation, improvement, remodeling; do-it-yourself work, home repairs; comprehensive works on maintenance and repair in home economics, on maintenance and repair by members of household

Class burglary in 364.16; class cooking with specific appliances and utensils not limited to a specific kind of cooking in 641.5; class household utilities; plumbing, plumbing fixtures; appliances and installations for specific household utilities; renovation, improvement, remodeling of specific household utilities in 644; class household furnishings; appliances and installations for specific kinds of household furnishings; renovation, improvement, remodeling of specific kinds of household furnishings in 645; class management of condominiums and cooperative apartment houses in 647; class moving in 648. Class a specific appliance or utensil used for a specific kind of cooking with the kind of cooking, e.g., frying with frying pans 641.7; class appliances and installations for a specific purpose with the purpose, e.g., sewing machines 646.2

For maintenance and repair of a specific item in the home, see the item, e.g., repair of furniture 645

See Manual at 363.5 vs. 643; also at 643, 690, 728.7 vs. 629.226; also at 690 vs. 643

Bedclothes relocated to 645

.028 Auxiliary techniques and procedures

Do not use for apparatus, equipment, materials, maintenance and repair, class in 643

644 Household utilities

Works for owner-occupants or renters covering activities by members of household

Including heating; lighting; ventilation and air conditioning; plumbing; water fixtures

Class here home energy conservation

Class lighting fixtures as furnishings in 645

See Manual at 647 vs. 647.068, 658.2, T1—068

645 Household furnishings

Works for owner-occupants or renters covering activities by members of household

Including specific kinds of interior furnishings (e.g., floor covering, wall and ceiling coverings, window furnishings, furniture and accessories, lighting fixtures); special topics of household furnishings (e.g., fabrics); furnishings for specific rooms; outdoor furnishings; outdoor furniture and accessories; bedclothes
[formerly also 643]

Class here household furnishings of residential buildings, comprehensive works on household furnishings and interior decoration

Class home construction of household articles made of fabric in 646.2; class manufacture of household furnishings in 684; class home construction of furniture in 684.1; class artistic aspects of furniture and accessories in 749

For home construction of fabric furnishings, see 646.2; for interior decoration, see 747

646 Sewing, clothing, management of personal and family life

Including sewing materials and equipment; clothing and accessories; casual wear (sportswear); care of clothing and accessories

Class sewing machines in 646.2; class clothing and accessories construction in 646.4; class interdisciplinary works on clothing and accessories in 391

For laundering and related operations, see 648. For fabrics for a specific use, see the use, e.g., use in furnishings 645

See Manual at 391 vs. 646, 746.9

.2 Sewing and related operations

Standard subdivisions are added for sewing and related operations together, for sewing alone

Including basic sewing operations; darning; construction of home furnishings; reweaving

Class here mending, sewing for the home

Class mending clothes in 646; class clothing construction in 646.4; class artistic and decorative aspects of construction of interior furnishings in 746.9

For a specific technique in textile arts, see the technique in 746, e.g., weaving 746.1

.202 8 Auxiliary techniques and procedures

Do not use for apparatus, equipment, materials; class in 646. Do not use for sewing machines, maintenance and repair, class in 646.2

.4 Clothing and accessories construction

Standard subdivisions are added for clothing and accessories construction together, for clothing construction alone

Including patterns; fitting and alterations; specific kinds of clothing (e.g., construction of undergarments and hosiery, construction of specific kinds of garments, construction of outerwear, construction of garments for special purposes, accessories construction)

Class here dressmaking, tailoring; construction of casual wear (sportswear)

Class headwear in 646.5; class footwear in 685; class handcrafted costume jewelry in 745.594

For construction of headwear, see 646.5; for commercial manufacture of clothing, see 687. For clothing construction by a specific technique in textile arts, see the technique in 746, e.g., knitting sweaters 746.43

.400 1–.400 7 Standard subdivisions

.400 8 Clothing with respect to groups of people

[.400 811] Clothing for men

Do not use; class in 646.4

[.400 82] Clothing for women

Do not use; class in 646.4

.400 83 Clothing for young people

Do not use for children under twelve; class in 646.4

.400 84 Clothing for people in specific stages of adulthood

Do not use for clothing for men in specific stages of adulthood, clothing for women in specific stages of adulthood; class in 646.4

.400 87 Clothing for gifted people
 Do not use for clothing for people with disabilities and illnesses; class in 646.4

.400 9 History, geographic treatment, biography

.5 Construction of headwear

Including millinery

Class here bonnets, caps, hats

For construction of headwear by a specific technique in textile arts, see the technique in 746, e.g., crocheting hats 746.43

.500 1–.500 7 Standard subdivisions

.500 8 Construction of headwear with respect to groups of people

[.500 811] Men

Do not use; class in 646.5

[.500 82] Women

Do not use; class in 646.5

[.500 83] Young people

Do not use; class in 646.5

.500 84 People in specific stages of adulthood

Do not use for headwear for men in specific stages of adulthood, headwear for women in specific stages of adulthood; class in 646.5

.500 9 History, geographic treatment, biography

.7 Management of personal and family life

Including care of hair, face, skin, nails; cosmetology, cosmetics, makeup; social skills; dating and choice of mate; guides to harmonious intrafamily relationships; guides for people in late adulthood; guides to retirement

Class here grooming; life skills, success in personal and family life

Class clothing selection and dressing with style in 646; class training children in grooming in 649; class interdisciplinary works on success in 650.1

For parapsychological and occult means for achievement of well-being, happiness, success, see 131; for psychological means for achievement of personal well-being, happiness, success, see 158; for etiquette, see 395; for care of physique and form, see 613.7; for child rearing, see 649; for success in business and other public situations, see 650.1

See also 362.82 for social services to families

.700 1–.700 7 Standard subdivisions of management of personal and family life

.700 8 Management of personal and family life with respect to groups of people

- .700 84 Management of personal and family life with respect to people in specific stages of adulthood
Do not use for management of personal and family life with respect to people in late adulthood; class in 646.7
- .700 9 History, geographic treatment, biography of management of personal and family life
- .701–.707 Standard subdivisions of grooming
- .708 Grooming for groups of people
- [.708 1–.708 3] Grooming for men, women, young people
Do not use; class in 646.7
- .708 4 Grooming for people in specific stages of adulthood
Do not use for grooming for men in specific stages of adulthood, grooming for women in specific stages of adulthood; class in 646.7
- .709 History, geographic treatment, biography of grooming

647 Management of public households (Institutional housekeeping)

Including employees; personnel management; employee hours and duties

Class comprehensive home economics works on household employees in 640. Class employees and personnel management in a specific field of institutional housekeeping with the field, e.g., waiters, personnel management of waiters 642

See Manual at 647 vs. 647.068, 658.2, Tl—068

- .068 Management

Do not use for personnel management (human resource management); class in 647

See Manual at 647 vs. 647.068, 658.2, Tl—068

.9 Specific kinds of public households and institutions

Including multiple dwellings for long-term residents; apartment houses; miscellaneous institutional households (e.g., office buildings); religious institutions; educational and research institutions

Class recreation vehicle (RV), trailer camps, boarding and rooming houses for temporary residents in 647.94. Class a specific aspect of public households and institutions with the aspect, e.g., grounds keeping 635.9, laundering 648

See Manual at 647 vs. 647.068, 658.2, Tl—068

- [.901–.909] Standard subdivisions

Do not use; class in 647.01–647.09

- .94 Lodging for temporary residents
 Including campsites; recreation vehicle (RV) camps, trailer camps
 Class here household management in hospitality industry, bed and breakfast establishments, hostels, hotels, inns, motels, resorts
 Class trailer and mobile home parks in 647.9; class interdisciplinary works on hospitality industry in 338.4; class interdisciplinary works on tourism in 910; class interdisciplinary and descriptive works on lodging for temporary residents, hotels, inns, motels, on resorts, on bed and breakfast establishments, on hostels, on campsites in 910.46
For eating and drinking places, see 647.95
See Manual at 913–919: Add table: 04: Guidebooks
- .940 25 Directories of persons and organizations
 Limited to directories of personnel and organizations concerned with household management of lodging for temporary residents
 Do not use for directories of lodging for temporary residents; class in 910.46
- .95 Eating and drinking places
 Standard subdivisions are added for either or both topics in heading
 Class here catering establishments
 Class interdisciplinary works on facilities for travelers in 910.46
See Manual at 913–919: Add table: 04: Guidebooks
- .950 25 Directories of persons and organizations
 Do not use for directories of specific continents, countries, localities; class in 647.953–647.959
- .950 9 History, geographic treatment, biography
- [.950 93–.950 99] Specific continents, countries, localities
 Do not use; class in 647.953–647.959
- .953–.959 Specific continents, countries, localities
 Class here directories
 Add to base number 647.95 notation 3–9 from Table 2, e.g., restaurants in Hawaii 647.95969

648**Housekeeping**

Including laundering and related operations; housecleaning; cleaning floors, furnishings; pest control; storage; moving

Class here household sanitation

Use 640 for housekeeping covering activities related to running the home, e.g., preparing meals and doing routine repairs as well as cleaning. Use 648 for housekeeping limited to cleaning

Class dry cleaning, commercial laundering, interdisciplinary works on laundering in 667

See Manual at 647 vs. 647.068, 658.2, T1—068

649**Child rearing; home care of people with disabilities and illnesses**

Including specific elements of home care of children (e.g., feeding children, child health care, children's activities and recreation, child training, moral and character training of children); supervision

Class religious training of children in 204; class Christian religious training of children in 248.8; class primary level home schools and schooling in 372.1042; class techniques of study at primary level for parents in 372.130281; class home schools and schooling in reading at primary level in 372.4; class home care of children with disabilities and illnesses in 649.8

For nutritional aspects of breast feeding, see 613.2

.8**Home care of people with disabilities and illnesses**

Class social services to people with disabilities and illnesses in 362.1–362.4; class nursing aspects in 610.73; class home care of children with disabilities in 649

650**Management and auxiliary services**

Class here business

See Manual at 330 vs. 650, 658

SUMMARY

650.01–.09	Standard subdivisions
.1	Personal success in business
651	Office services
652	Processes of written communication
653	Shorthand
657	Accounting
658	General management
659	Advertising and public relations

.01–.09 Standard subdivisions

.1 Personal success in business

Including creative ability; time management; personal efficiency, interdisciplinary works on time management; financial success; personal improvement and success in business relationships

Class here interdisciplinary works on success

For time management in personal life, see 640; for success in personal and family life, see 646.7; for success as an executive, executive time management, see 658.4. For a specific aspect of success, see the aspect, e.g., techniques of study for success as a student 371.3028

.14 Success in obtaining jobs and promotions

Standard subdivisions are added for either or both topics in heading

Including résumés, cover letters, job applications; résumé writing; employment interviewing; employment interviewing from the job seeker's viewpoint, comprehensive works on employment interviewing

For employment interviewing from the employer's viewpoint, see 658.3

> 651–657 Auxiliary services

Class comprehensive works in 650

For advertising and public relations, see 659

651 Office services

Including problems of security and confidentiality; equipment and supplies; office services in specific kinds of enterprises (e.g., libraries, insurance companies)

Class specific elements of office services in specific kinds of enterprises with the element in 651, e.g., equipment and supplies in insurance companies 651, records management in insurance companies 651.5. Class procurement of office equipment and supplies in 658.7. Class a specific aspect of security and confidentiality in office services with the aspect, e.g., security and confidentiality in records management 651.5

For processes of written communication, see 652; for accounting, see 657.

For a specific type of equipment, see the use of the equipment, e.g., computers 651.8, photocopying machines 652

.028 Auxiliary techniques and procedures

Do not use for apparatus and equipment, materials, class in 651

[.028 5] Computer applications

Do not use; class in 651.8

.3 Office management

Including clerical services

For written communication, see 652

.5 Records management

Including specific aspects of storage (e.g., storage of original documents, storage of inactive files, microreproduction of files, digitization of files); special topics of records management (e.g., records management in specific types of enterprises); retention, maintenance, final disposition of records; filing systems; filing procedures; space, equipment, control, protection, preservation

Class clerical services associated with records management in 651.3

For creation and transmission of records, see 651.7

.7 Communication

Including specific types of written communication (e.g., correspondence, minutes, reports); oral communication; internal communication

Class here creation and transmission of records

Class communication as a technique of management in 658.4; class interdisciplinary works on intranets in 004.6; class interdisciplinary works on electronic mail in 004.692; class interdisciplinary works on communication in 302.2

For processes of written communication, see 652

See Manual at 658.4 vs. 651.7, 808

.8 Computer applications

Use in carrying out office functions

Class interdisciplinary works on data processing in 004

For computer applications in a specific office activity, see the activity, e.g., digitization of files 651.5

652 Processes of written communication

Including penmanship; copying; photocopying; cryptography; interdisciplinary works on cryptography

Class interdisciplinary works on photocopying in 686.4

For word processing, see 005.52; for shorthand, see 653. For cryptographic techniques used for a specific purpose, see the purpose, e.g., cryptographic techniques used for security in computer systems 005.8

.3 Keyboarding

Including specific levels of skill; speed and accuracy; tests, drills; keyboarding for specific purposes

Class here typing

.300 1-.300 6 Standard subdivisions

.300 7 Education, research, related topics

.300 76 Review and exercise

Do not use for speed and accuracy tests and drills; class in 652.3

.300 8-.300 9 Standard subdivisions

653 Shorthand

Including systems (e.g., abbreviated longhand systems, machine systems, handwritten systems); basic shorthand practice (e.g., taking dictation, transcription, speed and accuracy, specific uses)

.076 Review and exercise

Do not use for speed and accuracy tests and drills; class in 653

[654] [Unassigned]

Most recently used in Edition 6

[655] [Unassigned]

Most recently used in Edition 9

[656] [Unassigned]

Most recently used in Edition 6

657 Accounting

Including elements of accounting (e.g., constructive accounting, bookkeeping [recordkeeping], financial reports [financial statements], specific fields of accounting, specific kinds of accounting [e.g., public accounting, private accounting], accounting for specific phases of business activity, accounting for enterprises engaged in specific kinds of activities [e.g., services and professional activities, communications and entertainment media], accounting for enterprises of specific sizes or specific kinds of legal or ownership form [e.g., individual proprietorships, partnerships, corporations, combinations, cooperatives, nonprofit organizations]); levels of accounting

Class here financial accounting

Class use of accounting information by management, use of financial reports by management to improve business performance in 658.15

658

General management

Management comprises the conduct of all types of enterprises (for profit and not for profit) except government agencies that do not themselves provide direct services

Including management of enterprises of specific forms (e.g., for-profit organizations, nonprofit organizations, international enterprises); computer applications

Class here general business management, general industrial management; management of public agencies that themselves provide direct services (in contrast to public agencies that regulate, support, or control services provided by other organizations)

Class analysis and description of behavior in complex organizations, sociology of management in 302.3; class government corporations as part of the public administrative process in 352.2; class initiation of specific forms of ownership organization, management of new enterprises of specific forms, mergers, organization of international enterprises and activities in 658.1; class specific principles of management, executive management by entrepreneurs in 658.4; class comprehensive works on management and economics in 330

For public administration, see 351. For management of enterprises engaged in a specific field of activity, see the field, plus notation 068 from Table 1, e.g., management of banks 332.1068, management of automobile manufacturing 629.222068

See also 306.3 for industrial sociology

See Manual at T1—068 vs. 353–354; also at 330 vs. 650, 658; also at 658 vs. 658.1, 658.4

(Option: Including management of enterprises engaged in specific fields of activity; prefer specific subject, plus notation 068 from Table 1, e.g., management of mines 622.068)

SUMMARY

658.001–.009	Standard subdivisions
.02	Management of enterprises of specific sizes and scope
.1	Organization and financial management
.2	Plant management
.3	Personnel management (Human resource management)
.4	Executive management
.5	Management of production
.7	Management of materials
.8	Management of marketing

.001 Philosophy and theory

Do not use for systems theory and analysis, operations research, models and simulation, class in 658.4

.002 Miscellany

[.002 85] Computer applications

Do not use; class in 658

.003–.009 Standard subdivisions

.02 Management of enterprises of specific sizes and scope

Including small enterprises; big enterprises

Class management of enterprises of specific forms regardless of size or scope in 658

[.020 1–.020 9] Standard subdivisions

Do not use; class in 658.001–658.009

.1 Organization and financial management

Standard subdivisions are added for organization and finance together, for organization alone

Including initiation of business enterprises; management of new business enterprises; management for legal compliance; reorganization and dissolution of enterprises; comprehensive works on reorganization, comprehensive works on reorganization resulting from business failure; organization of international enterprises; organization of international business activities

Class capitalization, financial management of insolvency, of bankruptcy in 658.15; class comprehensive works on management of specific forms of ownership organization in 658

For internal organization, internal reorganization, see 658.4. For management for legal compliance with respect to a specific subject, see the subject in 658, e.g., management for legal compliance with respect to collective bargaining 658.3

See Manual at 658 vs. 658.1, 658.4

.15 Financial management

Including insolvency, bankruptcy; valuation of businesses; financial control; management of financial operations; management of investment, comprehensive works on capital and its management; taxes, insurance, charitable donations; budgeting; management of income and expense; management of profit and loss, risk management; financial management in enterprises of specific sizes, scope, forms (e.g., small business, international enterprises)

Class here financial decision making, financial planning

Class accounting, internal auditing in 657; class reorganization and dissolution of business enterprises because of business failure in 658.1; class interdisciplinary works on and economic aspects of business taxes in 336.2; class interdisciplinary works on charitable donations in 361.7; class interdisciplinary works on insurance, interdisciplinary works on risk management in 368

For capital, see 332; for cost accounting, see 657; for compensation management, health and safety programs, see 658.3; for business security, see 658.4; for management of credit extended by seller to buyer, pricing, see 658.8. For fund raising for enterprises engaged in a specific field of activity, see the field, plus notation 068 from Table 1, e.g., private charitable and philanthropic fund raising for social welfare 361.7068

See Manual at 332 vs. 338, 658.15

.2 Plant management

Including maintenance management; location; layout; lighting; heating, ventilating, air conditioning; utilities; comprehensive business works on energy management; equipment; equipment for safety and comfort

Class location of businesses in 658.1; class procurement of land and buildings, procurement of industrial equipment associated with plants in 658.15; class procurement of other kinds of equipment in 658.7

For office equipment, see 651. For a specific aspect of energy management, see the aspect, e.g., energy management to promote efficiency in production 658.5

See Manual at 647 vs. 647.068, 658.2, T1—068

- .200 1–.200 9 Standard subdivisions

.3 Personnel management (Human resource management)

Including personnel planning and policy; supervision; personnel management in enterprises of specific sizes; management of personnel occupying specific types of positions and management of problem employees; job analysis; job description, job evaluation, position classification; elements of personnel management (e.g., recruitment and selection of personnel, conditions of employment, performance rating, utilization of personnel, separation from service, motivation, morale, discipline, employer-employee relationships); compensation management; wage administration, salary administration; employee health, safety, welfare

Class industrial democracy in 331; class worker control of industry in 338.6; class clerical techniques involved in maintaining payroll records in 651.3; class payroll accounting procedures in 657; class management of labor costs in 658.15; class safety of plant and equipment in 658.20028; class personnel management of supervisors, work teams in 658.4; class employment interviewing from the job seeker's viewpoint, comprehensive works on employment interviewing in 650.14; class comprehensive works on safety management in 658.4; class interdisciplinary works on industrial relations, on labor in 331; class interdisciplinary works on industrial safety in 363.11

For management of office personnel, see 651.3068; for management of supervisors, executive personnel, training of supervisors, see 658.4

- .300 1–.300 7 Standard subdivisions

- .300 8 Groups of people

Class here affirmative action, discrimination in employment, equal employment opportunity, workplace diversity

- .300 9 History, geographic treatment, biography

.4 Executive management

Limited to those activities named here

Including specific executive management activities (e.g., planning, policy making, control, quality management, internal organization, decision making and information management, project management, negotiation, conflict management, crisis management, contracting out, managing change, management of executive personnel, social responsibility of executive management, personal aspects of executive management); top management; middle management; communication; use of consultants; techniques of management consulting; business security and intelligence

Class here role, function, powers, position of top and middle management

Class general rules of order in 060.4; class sociology of economic institutions in 306.3; class managing welfare services for people other than employees in 361.7; class general success in business in 650.1; class mechanics of communication in 651.7; class management of small business in 658.02; class initiation of business enterprises; comprehensive works on management for legal compliance; comprehensive management works on organization, on reorganization; comprehensive works on reorganization of enterprises in 658.1; class insurance in 658.15; class supervision, managing welfare services for employees in 658.3; class interdisciplinary works on computer security in 005.8; class interdisciplinary works on meetings in 060; class interdisciplinary works on safety in 363.1; class interdisciplinary works on protection of environment in 363.7. Class contracting out a particular nonmanagerial service with the service, plus notation 068 from Table 1, e.g., contracting out hospital care 362.11068; class contracting out a particular managerial service with the service in 658, e.g., personnel management 658.3; class a specific executive managerial activity not provided for here with the activity in management, e.g., personnel management 658.3; class application of a specific activity named here in another branch of management with the branch, e.g., production planning 658.5; class management audits applied to a specific function with the function, e.g., management audits applied to production management 658.5; class total quality management applied to a specific function with the function, e.g., total quality management in marketing 658.8

For allocation of personnel to specific responsibilities, see 658.3. For managing change in a specific branch of management, see the branch, e.g., changes in production 658.5; for a specific aspect of safety management, see the aspect, e.g., product safety 658.5; for use of consultants in a specific branch of management, see the branch, e.g., use of consultants in market research 658.8

See Manual at 658 vs. 658.1, 658.4; also at 658.4 vs. 651.7, 808

.400 1-.400 9

Standard subdivisions

.5 Management of production

Including general production planning; organization of production; sequencing; scheduling, workflow; work studies; product control, packaging; waste control and utilization; research and development (R and D)

Class here production management in manufacturing enterprises, production management in service industries, comprehensive works on logistics

Class marketing in 658.8; class comprehensive works on energy management in 658.2; class comprehensive works on safety management, comprehensive works on quality control in 658.4

For materials handling, physical distribution, storage containers, packing for shipment, see 658.7; for use of packaging in sales promotion, market research on new products, see 658.8; for factory operations engineering, see 670.42; for packaging technology, see 688.8. For production management in enterprises engaged in a specific kind of activity other than manufacturing, see the activity, plus notation 068 from Table 1, e.g., management of agricultural production 630.68

.500 1–.500 9 Standard subdivisions

.7 Management of materials

Including procurement of office equipment and supplies, comprehensive works on procurement; internal control of materials and physical distribution (e.g., materials handling, storage, inventory control)

Class here management of supplies

Class management of costs of materials, financial control of inventories in 658.15; class location of warehouses in 658.2; class contracting out, subcontracting for services in 658.4; class comprehensive works on energy management in 658.2; class comprehensive works on logistics in 658.5; class interdisciplinary works on packaging in 658.5

For management of office supplies, see 651; for procurement of land, buildings, associated industrial equipment, see 658.15

.8 Management of marketing

Including general topics of marketing management; marketing to specific kinds of buyers; industrial marketing; sales management; sales promotion; market research; market analysis, market study; interviewing, use of consultants and research agencies, techniques of consulting in market research; export marketing; wholesale marketing; marketing through specific wholesale channels, marketing through retail channels; comprehensive works on marketing channels; credit management

Class here management of distribution; management of marketing goods, marketing services; management of merchandising

Class results of market research in 381–382; class management of enterprises doing wholesale marketing or selling a specific type of product in 381; class management of sales personnel in 658.3; class product design in 658.5; class personal selling through wholesale channels, personal selling through specific channels, e.g., personal selling by telephone in 658.85; class direct-mail advertising in 659.13; class comprehensive works on management of financial operations in 658.15; class comprehensive management works on business meetings in 658.4; class comprehensive works on logistics, interdisciplinary works on packaging in 658.5. Class credit management by banks and other financial institutions with the institution or type of credit in 332, e.g., management of loans issued by commercial banks 332.1

For management of food retailing in supermarkets, see 381; for physical distribution, see 658.7; for advertising and public relations, see 659

- .800 1 Philosophy and theory
 - Do not use for systems; class in 658.8
 - Class consumer psychology in 658.8
- .800 2–.800 6 Standard subdivisions
- .800 7 Education, research, related topics
- .800 72 Research
 - Class market research in 658.8
- .800 8–.800 9 Standard subdivisions
- .85 Personal selling
 - Techniques for the individual, regardless of channel
 - Class here personal salesmanship

659 Advertising and public relations

Class here publicity

.1 Advertising

Including special topics of advertising (e.g., social aspects of advertising, use of images and themes in advertising); general topics of advertising (e.g., planning and control, organization, advertising campaigns); display advertising; advertising by contests and lotteries

Class application of general topics to advertising in specific media in 659.13; class application of general topics to advertising specific kinds of organizations, products, services in 659.19; class interdisciplinary works on fashion modeling in 746.9

See also 658.8 for sales management; also 658.85 for personal selling

.13 Kinds of advertising and advertising in specific media

Including advertising in print media; direct advertising; advertising by location of media (e.g., outdoor advertising, transportation advertising); advertising by electric signs

Class direct-mail marketing in 658.8; class display advertising, contests and lotteries, point-of-sale advertising in 659.1; class online advertising in 659.14; class advertising of specific kinds of organizations, products, services in a specific kind of medium, advertising of specific kinds of organizations, products, services by a specific kind of advertising in 659.19

For advertising in electronic media, see 659.14

[.130 1–.130 9] Standard subdivisions

Do not use; class in 659.13

.14 Advertising in electronic media

Including advertising in motion pictures; radio; television; advertising in digital media; online advertising

Class advertising of specific kinds of organizations, products, services, issues in a specific electronic medium in 659.19

.19 Advertising specific kinds of organizations, products, services

Class here advertising to influence behavior or public opinion with respect to specific subjects; advertising specific kinds of organizations, products, services in a specific kind of medium; advertising specific kinds of organizations, products, services by a specific kind of advertising

For advertising for political election campaigns, see 324.7

[.190 001–.190 009] Standard subdivisions

Do not use; class in 659.101–659.109

.2 Public relations

Including public relations in enterprises of specific forms (e.g., corporations); public relations in organizations producing specific kinds of products and services, or pursuing specific objectives (e.g., public relations for computer industry, for public welfare lobbying)

For public relations in libraries, see 021.7; for public relations for religion, see 200; for public relations for conduct of political election campaigns, see 324.7; for public relations for government, see 352.7; for public relations for armed forces, see 355.3

660 Chemical engineering and related technologies

Standard subdivisions are added for chemical engineering and related technologies together, for chemical engineering alone

Including chemical technologies of specific states of matter; general topics in chemical engineering (e.g., specific types of chemical plant and specific activities in chemical plants, applied physical chemistry); industrial stoichiometry

Class military applications in 623; class biochemical engineering in 660.6; class industrial gases in 665.7; class polymerization in 668.9; class interdisciplinary works on corrosion in 620.1; class interdisciplinary works on piping in 621.8; class interdisciplinary works on computerized process control in 629.8; class interdisciplinary works on pressure vessels in 681

For pharmaceutical chemistry, see 615; for pulp and paper technology, see 676; for elastomers and elastomer products, see 678

See Manual at 604.7 vs. 660

SUMMARY**660.01–.09 Standard subdivisions****.6 Biotechnology**

- 661 Technology of industrial chemicals**
- 662 Technology of explosives, fuels, related products**
- 663 Beverage technology**
- 664 Food technology**
- 665 Technology of industrial oils, fats, waxes, gases**
- 666 Ceramic and allied technologies**
- 667 Cleaning, color, coating, related technologies**
- 668 Technology of other organic products**
- 669 Metallurgy**

.01 Philosophy and theory

Do not use for process control; class in 660

.02 Miscellany**.028 Auxiliary techniques and procedures**

Do not use for apparatus, equipment, materials, safety measures; class in 660

.03–.09 Standard subdivisions

.6**Biotechnology**

Application of living organisms or their biological systems or processes to the manufacture of useful products

Including industrial microbiology; biochemical engineering; genetic engineering

Class a specific aspect of industrial microbiology with the aspect, e.g., fermentation 660

See also 620.8 for human factors engineering

661**Technology of industrial chemicals**

Production of chemicals used as raw materials or reagents in manufacture of other products

Including inorganic compounds (e.g., metallic compounds, hydrogen compounds); nonmetallic elements; acids, bases, salts (e.g., ammonium salts, sulfur and nitrogen salts); organic chemicals

Class essential oils used for manufacture of perfumes in 668; class comprehensive works on petrochemicals in 665.5

For carbon, see 662; for industrial gases, see 665.7; for gaseous elements, see 665.8; for plaster of paris, see 666; for glycerin, see 668. For a specific petrochemical, see the chemical, e.g., carbon black 662.93

.001–.009

Standard subdivisions

662**Technology of explosives, fuels, related products**

Including fireworks (pyrotechnics); detonators; matches; coke and charcoal; other fuels (e.g., colloidal and mud fuels, boron fuels, wastes as fuels, biomass as fuel); nonfuel carbons (e.g., graphite and graphite products, adsorbent carbons)

Class nuclear explosives in 621.48; class interdisciplinary works on energy from waste materials in 333.793; class interdisciplinary works on biomass as fuel in 333.95

For biodiesel fuel, see 665

.6**Fuels**

Including coal; wood and wood derivatives; synthetic fuels

Class coke, charcoal, production from coal gas in 662; class industrial oils, fats, waxes, gases as fuels in 665; class synthetic fuel gases in 665.7; class wastes as fuels, comprehensive works on chemical technology of energy from waste materials in 662. Class a specific use with the use, e.g., metallurgical use 669

For a specific fuel not provided for here, see the fuel, e.g., nuclear fuels 621.48, petroleum 665.5

See also 621.402 for combustion of fuels

See Manual at 622 vs. 662.6, 669

.602 8

Auxiliary techniques and procedures; apparatus, equipment, materials

Class wastes as fuels, comprehensive works on chemical technology of energy from waste materials in 662

663 Beverage technology

Commercial preparation, preservation, packaging

Including alcoholic beverages; wine; grape wine; brewed and malted beverages; specific kinds of brewed and malted beverages (e.g., beer and ale; rice wine; pulque); distilled liquor; nonalcoholic beverages; nonalcoholic brewed beverages

Class household preparation of beverages in 641.87; class interdisciplinary works on beverages in 641.2

For milk, see 637

664 Food technology

Commercial preparation, preservation, packaging

Including materials; processes; process design, control, equipment; additives; tests, analyses, quality controls; by-products; packaging; sugars, syrups, their derived products; sweeteners; starches and jelling agents; fats and oils; food salts; flavoring aids; condiments; special-purpose food and aids; grains, other seeds, their derived products; fruits and vegetables; meats and allied foods

Class here comprehensive works on commercial food and beverage technology

Class household preservation, storage, cooking in 641.4–641.8; class interdisciplinary works on food in 641.3; class interdisciplinary works on animal fats and oils, interdisciplinary works on vegetable fats and oils in 665. Class a specific by-product use with the use, e.g., molasses for rum 663

For commercial processing of dairy and related products, butter, see 637; for honey, see 638; for home preservation of foods, see 641.4; for commercial beverage technology, see 663

.001 Philosophy and theory

Do not use for process control; class in 664

.002 Miscellany

.002 8 Auxiliary techniques and procedures; apparatus, equipment

Do not use for materials, testing and measurement, class in 664

.003–.009 Standard subdivisions

665 Technology of industrial oils, fats, waxes, gases

Including interdisciplinary works on animal fats and oils; interdisciplinary works on vegetable fats and oils; mineral oils and waxes

Class turpentine oils in 661; class petroleum in 665.5; class polishing waxes in 667. Class interdisciplinary works on specific vegetable oils used primarily as food with the vegetable oil in 641.3, e.g., olive oil 641.3

For beeswax, see 638; for animal fats and oils used in food or food preparation, the food technology of vegetable fats and oils used in food and food preparation, see 664

.028 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for testing and measurement, maintenance and repair; class in 665

Including extraction; refining

.5 Petroleum

Including refinery treatment and products; storage, transportation, distribution; uses

Class here comprehensive works on technology of petroleum and natural gas

Class synthetic petroleum in 662; class preliminary refining of oil sands and oil shale to obtain distillable fluids in 665; class asphalt concrete in 666. Class a specific use with the use, e.g., automobile engine lubricants 629.25

For technology of extraction of petroleum and natural gas, see 622; for petrochemicals as a type of industrial chemical, see 661; for comprehensive works on technology of natural gas, see 665.7

.7 Natural gas and manufactured gases

Standard subdivisions are added for natural gas and manufactured gases together, for natural gas alone

Including processing natural gas; storage, transportation, distribution of natural gas and manufactured gases; uses of natural gas and manufactured gases; production of manufactured gases; comprehensive works on technology of manufactured gases

Class here comprehensive works on technology of industrial gases

Class a specific use of natural gas and manufactured gases with the use, e.g., heating buildings 697

For technology of extracting natural gas, see 622; for technology of industrial gases not provided for here, see 665.8

.702 8 Auxiliary techniques and procedures; apparatus, equipment, materials

Class production of manufactured gases from biological wastes in 665.7

.8 Other industrial gases

Including hydrogen; gases derived from liquefaction and fractionation of air; halogen gases; sulfur dioxide; acetylene; carbon dioxide, ozone, hydrogen sulfide

Class extraction of helium from natural gases in 665.7

For ammonia, see 661

666 Ceramic and allied technologies

Standard subdivisions are added for ceramic and allied technologies together, for ceramic technologies alone

Including special topics of ceramic and allied technologies (e.g., ceramic-to-metal bonding); glass; enamels; pottery; comprehensive works on clay technology; pottery materials, equipment, processes; specific types of pottery (e.g., porcelain, earthenware and stoneware); refractories and structural clay products; synthetic and artificial minerals and building materials; masonry adhesives

Class fiberglass-reinforced plastic in 668.4

667 Cleaning, color, coating, related technologies

Standard subdivisions are added for cleaning, color, coating, related technologies together; for color technology alone

Including bleaching; dyes and pigments; dyeing and printing; inks; paints and painting; polishes, lacquers, varnishes; methods of applying polishes, lacquers, varnishes; coatings and coating

Class household bleaching, cleaning, laundry in 648. Class dyeing and printing of a specific material other than textiles and textile fibers with the material, e.g., dyeing leather 675

For carbon black, see 662; for soaps, detergents, see 668. For a coating made of a specific material, see the material, e.g., enamel coatings 666, thermoset plastic coatings 668.4; for coatings applied to a specific thing and methods of applying the coatings, see the thing to which the coating is applied, e.g., coatings for metal 671.7, metal coatings for polymers 668.9, painting a building 698, varnishing a violin 787.2

668 Technology of other organic products

Including surface-active agents (surfactants); glycerin; adhesives and related products; perfumes and cosmetics; agricultural chemicals

For masonry adhesives, see 666

Interdisciplinary works on pesticides relocated to 632

.4

Plastics

Including special topics of plastics (e.g., physicochemical phenomena of plastics manufacture); techniques, procedures, apparatus, equipment, materials; specific kinds of plastics (e.g., polymerization plastics, protein plastics, cellulosics, plastics from natural resins); forms and products

Class plastic fibers and fabrics in 677

For polyurethane rubber, see 678

[.402 8]

Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use; class in 668.4

.9 Polymers and polymerization

Standard subdivisions are added for polymers and polymerization together, for polymers alone

Class here synthetic polymers

Class a specific polymer with the polymer, e.g., plastics 668.4; class a specific application with the application, e.g., manufacture of nylon hosiery 687

669 Metallurgy

Including special topics of metallurgy (e.g., materials); metallurgy of specific metals and their alloys (e.g., ferrous metals, nonferrous metals [e.g., copper, lead, zinc and cadmium, tin]), metallurgical furnace technology; physical and chemical metallurgy

Class here alloys, extractive metallurgy, process metallurgy, interdisciplinary works on metals

Class metalworking and manufacture of primary metal products in 671–673; class iron casting as a metalworking process, cast iron products in 672; class comprehensive works on technology of refractory materials in 666

For a specific aspect of metals, see the aspect, e.g., chemistry 546, metalworking and primary metal products 671

See Manual at 622 vs. 662.6, 669.6

.028 Auxiliary techniques and procedures; apparatus, equipment

Do not use for materials; class in 669

Including pyrometallurgy; hydrometallurgy; electrometallurgy; electrorefining, electrowinning

670 Manufacturing

Including planning and design for manufactured products

Class here manufactured products

Class military applications in 623; class planning and design for specific kinds of products in 671–679; class the arts in 700. Class comprehensive works on products made by a specific process with the process, e.g., seasoned wood 674

For manufacture of products based on specific branches of engineering, see 620; for manufacture of products based on chemical technologies, see 660; for manufacture of final products for specific uses not provided for elsewhere, see 680

See Manual at T1—025 vs. T1—029

SUMMARY

670.1-.9	Standard subdivisions and special topics of manufacturing
671	Metalworking processes and primary metal products
672	Iron, steel, other iron alloys
673	Nonferrous metals
674	Lumber processing, wood products, cork
675	Leather and fur processing
676	Pulp and paper technology
677	Textiles
678	Elastomers and elastomer products
679	Other products of specific kinds of materials

.285 Computer applications

Class here computer-aided design / computer-aided manufacture (CAD/CAM), computer integrated manufacturing systems (CIM), comprehensive works on computer use in the management of manufacturing and computer-aided design or computer-aided manufacture

Class computer-aided design (CAD) in 620; class computer use in the management of manufacturing in 658

For computer-aided manufacture (CAM), flexible manufacturing systems limited to factory operations, see 670.42

.4 Special topics of manufacturing

.42 Factory operations engineering

Including machine-shop practice; inspection technology; mechanization and automation of factory operations; assembling machines, computer control of factory operations; computer-aided manufacture (CAM), flexible manufacturing systems if limited to factory operations

Class here shop and assembly-line technology

Class computer-aided design (CAD) in 620; class computer-aided design / computer-aided manufacture (CAD/CAM), computer integrated manufacturing systems (CIM), computer-aided manufacture (CAM), flexible manufacturing systems if applied to design and production of manufactured products in 670.285; class comprehensive works on computer control, comprehensive works on computerized process control in 629.8

For tools and fabricating equipment, see 621.9; for packaging technology, see 688.8

.420 68 Management

Do not use for management of factory operations; class in 658.5

.6 Organizations and management

.68 Management

Do not use for management of production; class in 658.5

>

671–679 Manufacture of products from specific materials

Class here manufacture of primary products

Class comprehensive works in 670

For manufacture of ceramic products, see 666; for manufacture of plastic products, see 668.4

See Manual at 671–679 vs. 680

671**Metalworking processes and primary metal products**

Standard subdivisions are added for metalworking processes and primary metal products together, for metalworking processes alone

Class metallurgy and interdisciplinary works on metals in 669

For metalworking processes and primary metal products with iron, steel, other iron alloys as the main metal, see 672; for metalworking processes and primary metal products with nonferrous metals as the main metal, see 673

>

671.2–671.7 Specific metalworking processes

Class specific processes applied to specific primary products in 671.8; class comprehensive works in 671

.2**Founding (Casting)**

Including foundry equipment; patternmaking and moldmaking; melting; specific methods of casting (e.g., sand casting, permanent-mold casting, centrifugal casting, investment casting, continuous casting)

See also 671.3 for hot-working operations

.202 8

Auxiliary techniques and procedures; materials

Do not use for apparatus and equipment; class in 671.2

.3**Mechanical working and related processes**

Standard subdivisions are added for mechanical working and related processes together, for mechanical working alone

Including rolling; forging, pressing, stamping; extruding and drawing; machining; cutting as a machining process, milling; heat treatment and hardening

Class here hot-working operations, cold-working operations, high-energy forming

Class comprehensive works on cutting metal in 671.5

For small forge work, see 682

.4**Electroforming of metals**

.5 Joining and cutting of metals

Standard subdivisions are added for joining and cutting together, for joining alone

Including welding; soldering and brazing; bonding; riveting

Class ceramic-to-metal bonding in 666; class cutting as a machining process in 671.3

.7 Finishing and surface treatment of metals; metal coating of nonmetals

Including cleaning, deburring; polishing and buffing

Class enameling in 666; class comprehensive works on coating in 667. Class metal coating of a specific material with the material, e.g., metal coating of plastics 668.4, metal coating of ferrous metals 672

.8 Primary products

Including rolled products (e.g., patternmaking, strips and sheets); forged, pressed, stamped products; extruded and drawn products; powder metal products

Class here comprehensive works on technology of metal products

For a specific metal product not provided for here, see the product, e.g., metal furniture 684.1

672 Iron, steel, other iron alloys

Metalworking processes and primary products

Add to base number 672 the numbers following 671 in 671.2–671.8, e.g., welding 672.5

Subdivisions are added for any or all topics in heading

For small forge work, see 682

673 Nonferrous metals

Metalworking processes and primary products

Including precious metals; copper; brass, Muntz metal; bronze, gunmetal; copper-aluminum alloys; copper-beryllium alloys; lead; zinc and cadmium; tin; other nonferrous metals (e.g., light, alkali, alkaline-earth metals; metals used in ferroalloys)

Class here alloys of nonferrous metals

Class metalworking processes and primary products in which nonferrous metals are not the main metal of the final product with the process or the main metal, e.g., nickel plating of various metals 671.7, zinc coating of steel 672

674 Lumber processing, wood products, cork

Including lumber technology (e.g., structure, chemical properties, types of lumber; sawmill operations; storage, seasoning, preservation of lumber; production of finished lumber; grading lumber); comprehensive works on wood-using technologies

Class physical properties of lumber in 620.1

For a specific product or wood-using technology not provided for here, see the product or technology, e.g., wood as a fuel 662, pulp and paper technology 676, wooden furniture 684.1, carpentry 694

.001–.009 Standard subdivisions

.01 Philosophy and theory of lumber technology

.02 Miscellany of lumber technology

Do not use for specifications; class in 674

.028 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for pollution control technology, waste technology, grading lumber; class in 674

.03–.09 Standard subdivisions of lumber technology

675 Leather and fur processing

Standard subdivisions are added for leather and fur processing together, for leather processing alone

Including processing of natural leather; manufacture of imitation leathers

For leather and fur goods, see 685

676 Pulp and paper technology

Standard subdivisions are added for pulp and paper technology together, for paper technology alone

Including the process of making pulp, through bleaching; pulp products (e.g., conversion of pulp into paper, and specific types of paper and paper products; paper and paperboard containers; purified pulp; pulp by-products); paper from man-made and noncellulosic fibers

Class here comprehensive works on paper and paper products, on the total process of making paper out of logs or other sources of pulp

Class comprehensive works on naval stores in 665

For photographic paper, see 661

.028 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for pollution control technology, waste technology; class in 676

677**Textiles**

Production of fibers, fabrics, cordage

Including textiles of specific composition (e.g., textiles of bast fibers, textiles of seed-hair fibers, textiles of animal fibers, textiles of man-made fibers); specific kinds of textiles; special-process fabrics regardless of composition; nonwoven fabrics; cordage, trimmings and allied products; surgical gauze and cotton

Class here comprehensive works on manufacture of textiles and clothing

Class auxiliary techniques and procedures in 677.0028

For dyeing and printing, see 667; for manufacture of clothing, see 687

.001 Philosophy and theory

.002 Miscellany

.002 8 Auxiliary techniques and procedures

Do not use for apparatus, equipment, materials, testing and measurement, class in 677

Class waste and reused wool and hair, waste and reused silk in 677

.003-.009 Standard subdivisions

678 Elastomers and elastomer products

Standard subdivisions are added for elastomers and elastomer products together, for elastomers alone

Including rubber; rubber products; properties of rubber; latexes; natural elastomers; synthetic elastomers

Class elastic fiber textiles in 677; class comprehensive works on polyurethanes in 668.4

679**Other products of specific kinds of materials**

Including products of keratinous and dentinal materials; products of fibers and bristles; products of tobacco

680**Manufacture of products for specific uses**

Not provided for elsewhere

Class here interdisciplinary works on handicrafts

Class repairs of household equipment by members of household in 643. Class manufacture of a product based on a specific branch of engineering with the branch of engineering in 620, e.g., military engineering 623, manufacture of motor vehicles 629.2; except for products provided for in 681–688, class manufacture of products of a specific material with the material in 671–679, e.g., manufacture of steel pipes 672, but manufacture of steel toys 688.7

For artistic handicraft work, see 745.5

See Manual at 671–679 vs. 680; also at 680 vs. 745.5

SUMMARY

- 681** Precision instruments and other devices
- 682** Small forge work (Blacksmithing)
- 683** Hardware and household appliances
- 684** Furnishings and home workshops
- 685** Leather and fur goods, and related products
- 686** Printing and related activities
- 687** Clothing and accessories
- 688** Other final products, and packaging technology

681

Precision instruments and other devices

Standard subdivisions are added for precision instruments and other devices together, for precision instruments alone

Including testing, measuring, sensing instruments; testing, measuring, sensing instruments of general application in science or technology; testing, measuring, sensing instruments for nontechnological application; instruments for measuring physical quantities; electrical and electronic instruments for measuring nonelectrical and nonelectronic quantities; optical instruments; printing, writing, duplicating machines and equipment; comprehensive works on manufacturing of office equipment; other scientific and technological instruments, machinery, equipment; musical instruments

Class facsimile recorders in 621.382; class film and other chemical photographic supplies in 661; class wood-cased pencils in 674; class instruments for measuring time in 681.1; class hand construction of specific instruments or groups of instruments in 786–788; class comprehensive works on commercial and sports hunting, fishing, shooting equipment in 688.7; class comprehensive works on hand construction in 784.192; class interdisciplinary works on medical and health equipment in 610.28; class interdisciplinary works on exercise equipment in 613.7; class interdisciplinary works on office equipment in 651. Class a specific use of pressure vessels with the use, e.g., nuclear pressure vessels 621.48; class testing, measuring, sensing instruments for a specific technological application with the manufacturing number, e.g., aircraft instrumentation 629.135, medical diagnostic equipment 681

For instruments for measuring electrical quantities, see 621.37; for instruments for testing and measuring electronic signals, see 621.3815

.1

Instruments for measuring time, counting and calculating machines and instruments

Class testing, measuring, sensing instruments in 681

For computers, see 621.39; for clocks considered as works of art, watches considered as works of art, see 739.3

[.101–109]

Standard subdivisions

Do not use; class in 681.1

682

Small forge work (Blacksmithing)

Including horseshoeing; ironwork and hand-forged tools

683 Hardware and household appliances

Standard subdivisions are added for hardware and household appliances together, for hardware alone

Including locksmithing; household utensils

Class here comprehensive works on manufacture of hardware and building supplies

Class comprehensive works on electrical equipment in 621.31

For refrigerators and freezers, see 621.5; for maintenance and repair by members of household, see 643; for heating, ventilating, air-conditioning equipment, see 697. For a specific hardware or building supply product not provided for here, see the product, e.g., tools 621.9, paints 667; for nonmetallic household utensils and appliances, see the material from which they are made, e.g., porcelain tableware 666, woodenware 674

.4 Small firearms

Including general topics of small firearms (e.g., design, maintenance and repair, ammunition); rifles and shotguns; handguns

Class here interdisciplinary works on small firearms, on gunsmithing

For military small firearms, see 623.4

.400 1 Philosophy and theory

.400 2 Miscellany

.400 28 Auxiliary techniques and procedures; apparatus, equipment, materials

Do not use for maintenance and repair; class in 683.4

.400 3-.400 9 Standard subdivisions

684 Furnishings and home workshops

Standard subdivisions are added for furnishings and home workshops together, for furnishings alone

Including woodworking; comprehensive works on home (amateur) workshops; metalworking; fabric furnishings

Class here home furnishings

Class home construction of fabric furnishings in 646.2; class furniture making in home workshops in 684.1

For lighting fixtures, see 621.32; for carpets and rugs, see 677

.001-.009 Standard subdivisions

.1 Furniture

Including general topics of furniture (e.g., wooden furniture, metal furniture, furniture in other materials); specific kinds of furniture (e.g., upholstered furniture, chairs and tables, desks, beds, cabinets and built-in furniture); outdoor furniture

Class here home construction of furniture

Class camping furniture in 685

For built-in wooden shelves, see 694

.100 1-.100 9 Standard subdivisions

685 Leather and fur goods, and related products

Standard subdivisions are added for leather and fur goods and related products together, for leather goods alone

Including parchment prepared from the skin of an animal; saddlery and harness making; leather and fur clothing and accessories; footwear and related products; gloves and mittens; luggage, handbags, camping equipment

For overshoes, see 678; for hosiery, see 687

See also 676 for parchment paper made from pulp

Footwear, gloves, mittens used as equipment in a specific sport relocated to 688.7

686 Printing and related activities

Including invention of printing

Class here design and manufacture of publications, book arts

Class interdisciplinary works on the book in 002

For book illustration, see 741.6

See also 681 for manufacture of printing equipment

.2 Printing

Including printing in non-Latin alphabets and characters; typefounding, typecasting, typefaces; typography; presswork (impression); printing special graphic materials (e.g., braille and other raised characters, maps, music, materials of direct monetary value)

Class here printing in the Latin alphabet

Class comprehensive works on printing and publishing in 070.5; class comprehensive works on braille and other raised-character alphabets in 411; class interdisciplinary works on use of computer printers as low-volume output devices in 004.7; class interdisciplinary works on print media in 302.23

See also 070.5 for self-publishing

.209 History, geographic treatment, biography

Class invention of printing in 686

.3 Bookbinding

Processes and materials

Including hand and fine binding; specific kinds of commercial binding (e.g., library binding, edition binding); types of covers; methods of fastening; ornamentation

.300 1-.300 9 Standard subdivisions

.4 Photocopying

Including blueprinting; microphotography; production of microfiche and microfilms; electrostatic and electrophotographic processes; production of photostats

Class here photoduplication, interdisciplinary works on photocopying

Class facsimile transmission in 621.382

For a specific aspect of photocopying, see the aspect, e.g., library photocopying services 025.1

See also 681 for manufacture of photocopying equipment

687

Clothing and accessories

Standard subdivisions are added for clothing and accessories together, for clothing alone

Including general topics of clothing (e.g., patternmaking and grading, cutting, tailoring); specific kinds of garments (e.g., miscellaneous kinds of garments [e.g., dresses, suits, shirts, blouses, tops, pants (trousers), skirts], outerwear, uniforms and symbolic garments, garments for special purposes, accessories); undergarments; hosiery; headwear; bonnets, caps, hats; items auxiliary to clothing construction (notions), comprehensive works on manufacture of sewing equipment and supplies

Class here dressmaking, casual wear (sportswear)

Class interdisciplinary works on clothing in 391; class interdisciplinary works on accessories in 391.4; class interdisciplinary works on sewing equipment and supplies in 646; class interdisciplinary works on clothing construction in 646.4; class interdisciplinary works on making costume jewelry in 688; class interdisciplinary works on making jewelry in 739.27

For helmets as armor, see 623.4; for manufacture of sewing machinery and equipment, see 681; for leather and fur clothing, footwear, gloves and mittens, handbags, see 685. For manufacture of a specific kind of sewing supply, see the kind, e.g., thread 677

Headwear used as equipment in a specific sport relocated to 688.7

688**Other final products, and packaging technology**

Including interdisciplinary works on models and miniatures, on making costume jewelry; supplies for tobacco users; supplies for smoking tobacco, for chewing tobacco; accessories for personal grooming

Class handcrafted costume jewelry in 745.594; class interdisciplinary works on costume jewelry in 391.7; class interdisciplinary works on making jewelry in 739.27; class interdisciplinary works on handcrafted models and miniatures in 745.5928

For cosmetics, see 668; for brushes, see 679. For models and miniatures of a specific object, see the object, plus notation 022 from Table 1, e.g., scale models of bridges 624.2022

See Manual at 745.5928

.6**Nonmotor land vehicles**

Including carriages, carts, wagons, wheelbarrows

For cycles, see 629.227

See also 688.7 for skateboards

See Manual at 629.04 vs. 388

.7**Recreational equipment**

Including equipment for sports and games (e.g., equipment for indoor games of skill, equipment for games of chance, equipment for outdoor sports and games, equipment for equestrian sports and animal racing, equipment for fishing, hunting, shooting); toys; interdisciplinary works on mass-produced and handcrafted toys

Class here footwear, gloves, mittens used as equipment in a specific sport [*all formerly 685*], headwear used as equipment in a specific sport [*formerly 687*]

Class scale-model action toys in 688

For small firearms, see 683.4; for saddles and harnesses, see 685; for handcrafted toys, see 745.592

See also 681 for exercise equipment

.8**Packaging technology**

Materials, equipment, techniques

Class interdisciplinary works on packaging in 658.5. Class containers for a specific product with the product, e.g., beer cans 663; class manufacture and use of containers made of a specific material with the material, e.g., paper containers 676; class artistic aspects of containers with the aspect in 700, e.g., earthenware vases 738.3

[689]**[Unassigned]**

Most recently used in Edition 6

690 Construction of buildings

Planning, analysis, engineering design, construction, destruction of habitable structures and their utilities

Including special topics of construction of buildings (e.g., structural elements, general activities of buildings, special topics of buildings [e.g., portable and temporary buildings, buildings by shape, buildings with atriums], specific parts of buildings [e.g., bathrooms and lavatories, laundries, kitchens], specific types of buildings)

Class construction of structural elements in wood in 694; class plumbing in specific parts of buildings in 696; class interdisciplinary works on bathrooms and lavatories, on kitchens in 643; class interdisciplinary works on laundries in 667; class interdisciplinary works on design and construction of buildings in 720; class interdisciplinary works on architectural acoustics in 729

For naval facilities, military air facilities, construction of buildings for defense against military action, see 623; for port facilities, see 627; for home repairs by members of household, see 643; for fireplaces, chimneys, see 697

See Manual at 624 vs. 690; also at 643, 690, 728.7 vs. 629.226; also at 690 vs. 643

.01 Philosophy and theory

.02 Miscellany

Do not use for specifications; class in 692

.022 Illustrations, models, miniatures

Do not use for maps, plans, diagrams; class in 692

.028 Auxiliary techniques and procedures; apparatus, equipment

Do not use for maintenance and repair, safety measures; class in 690. Do not use for materials; class in 691. Do not use for comprehensive works on environmental engineering of buildings; class in 696

For water drainage, see 696; for chimneys and flues, see 697; for air quality components of air conditioning systems, see 697.9

.029 Commercial miscellany

Do not use for estimates of labor, time, materials; class in 692

.03–.09 Standard subdivisions

691 Building materials

Including timber; natural stones; concrete and artificial stones; ceramic and clay materials; masonry adhesives; glass; metals; other building materials (e.g., plastics and their laminates, insulating materials, bituminous materials, prefabricated materials, adhesives and sealants)

Class here construction properties, selection

Class construction in a specific type of material in 693

692**Auxiliary construction practices**

Including plans and drawings; detail drawings; construction specifications; estimates of labor, time, materials; interdisciplinary works on quantity surveying; contracting

Class estimates for a specific subject in building with the subject, plus notation 029 from Table 1, e.g., estimates for utilities 696.029; class application of a specific auxiliary practice to a specific subject with the subject, e.g., construction specifications for utilities 696

693**Construction in specific types of materials and for specific purposes**

Including masonry; stabilized earth materials; tiles and terra-cotta; artificial stones and hollow bricks; concrete, lathing, plastering, stuccowork; metals; construction in other materials (e.g., ice and snow, sandwich panels, glass, prefabricated materials, nonrigid materials, miscellaneous materials [e.g., plastics])

Class construction in specific materials for specific purposes in 693.8; class comprehensive works on construction in all types of materials in 690. Class sandwich panels in a specific substance with the substance, e.g., wood 694

For selection, preservation, construction properties of building materials, see 691; for wood construction, see 694; for roofing materials, see 695

[.01–.09] Standard subdivisions

Do not use; class in 690.01–690.09

.8**Construction for specific purposes**

Including fireproof construction; insulated construction; pest-resistant construction; shock-resistant construction; waterproof, moistureproof, lightning-resistant construction

694**Wood construction**

Including planning, analysis, engineering design; specific aspects of carpentry (e.g. rough carpentry [framing], finish carpentry [joinery])

Class here carpentry

Class off-site manufacture of finishing items in 680

695**Roof covering**

Class wooden roofs in 694; class comprehensive works on roofs as structural elements in 690

696**Utilities**

Including plumbing; pipe fitting; steam pipes (steam fitting); hot-water supply

Class here comprehensive works on energy and environmental engineering of buildings

Class interior electric wiring in 621.319; class comprehensive works on waste technology in buildings in 690.028; class interdisciplinary works on energy for use in buildings in 333.79

For heating, ventilating, air-conditioning engineering, see 697. For a specific aspect of environmental engineering not provided for here, see the aspect, plus notation 028 from Table 1, e.g., environmental engineering of building materials 691.028; for a specific aspect of energy engineering, see the aspect, e.g., thermal insulation 693.8

697**Heating, ventilating, air-conditioning engineering**

Standard subdivisions are added for heating, ventilating, air-conditioning engineering together; for heating alone

Including local heating (e.g., heating with open fires [radiative heating], heating with space heaters [convective heating]); central heating (e.g., hot-air heating, hot-water heating, steam heating, other heating methods [e.g., radiant panel heating, solar heating, nuclear heating]); district heating; heating with specific sources of energy; fuels; heating equipment; heating apparatus; chimneys and flues

Class cooking stoves in 683; class building of solar houses in 690; class hot-water supply, steam fitting in 696; class heating in specific kinds of buildings in 697.9

- [.000 1] Philosophy and theory
Relocated to 697.001
- [.000 2] Miscellany
Relocated to 697.002
- [.000 3-.000 9] Standard subdivisions
Relocated to 697.003–697.009
- .001 Philosophy and theory [*formerly also* 697.0001]
- .002 Miscellany [*formerly also* 697.0002]
- .002 8 Auxiliary techniques and procedures; apparatus, equipment, materials
Do not use for heating apparatus and equipment; class in 697
- .003–.009 Standard subdivisions [*formerly also* 697.0003–697.0009]
- .9 **Ventilation and air conditioning; heating, ventilation, air-conditioning in specific kinds of buildings**
Class heating in 697

698**Detail finishing**

Including cladding, siding, suspended ceilings; painting; calcimining and whitewashing; finishing woodwork; glazing and leading windows; paperhanging; floor coverings

Class roof covering in 695; class comprehensive works on floors in 690

For lathing, plastering, stuccowork, see 693; for wooden moldings, paneling, inlays, see 694

[699]**[Unassigned]**

Most recently used in Edition 6