

# **A faceted classification of general concepts**

Ingetraut Dahlberg

# CATEGORIES AND FACETS IN COMPARISON

	<b>Dahlberg</b>	<b>Aristotle</b>	<b>Ranganathan</b>
<b>Entities</b>	Principles Immaterial objects Material objects	Substance	Personality
<b>Properties</b>	Quality Quantity Relation	Quality Quantity Relation*	Matter
<b>Activities</b>	Operations Processes States	Operations Processes States	Energy
<b>Dimensions</b>	Space Time Position	Space Time Position	Space Time

\* Relation according to Aristotle means the comparative of a property, like high, higher.

# THE NINE GENERAL OBJECT AREAS OF THE ICC

1. Form and structure area
2. Energy and matter area
3. Cosmos and earth area
4. Bio-area
5. Human area
6. Societal area
7. Technology/production area
8. Knowledge & information area
9. Culture area

# THE ICC 'SYSTEMATISER'

1. Theoretical and general problems
2. Objects, their kinds and their elements
3. Methods and activities exerted upon objects
4. Properties relevant or 1st kind of field specialty
5. Persons involved or 2nd kind of field specialty
6. Institutions involved or 3rd kind of field specialty
7. Technology, production, or influences from outside
8. Application of methods & activities to other subject groups or fields
9. Propagation of the knowledge of a subject group or field

# GENERAL CONCEPTS

## Universal Decimal Classification

common auxiliaries

Languages

Kind of documents (Form)

Geographic items (Place)

Ancestry, ethnic groups and nationalities

Time

Properties

Materials

Relationships, Processes and Operations

Persons

Organizations\*

*\* In UDC, Organizations are placed in the main schedules (class 0)*

## Colon Classification

general isolates

Environment

Language

Personality\*\*

Matter (Property)

Energy

Space

Time

Form (kinds of documents)

*\*\* In CC 'Personality' isolates are understood as kinds of institutions, organizations, centres, bodies, etc.*

# ICC GENERAL CONCEPTS

- 01 Theory, general questions and Relators (expressed by letters)
- 02 General Objects
- 03 General Operations, actions (Energy facet of CC)
- 04 General Properties
- 05 Persons in general
- 06 Societal groupings like organizations, Institutions, etc.
- 07 General Processes
- 08 Places (countries, districts, cities, etc.)
- 09 Time, general and special

# ICC - SURVEY OF SUBJECT GROUPS

0 GENERAL FORM CONCEPTS	01 THEORIES; PRINCIPLES	02 OBJECTS; COMPONENTS	03 ACTIVITIES PROCESSES	04 PROPERTIES or 1 <sup>st</sup> kind of field specialty	05 PERSONS or 2 <sup>nd</sup> kind of Field specialty	06 INSTITUTIONS or 3 <sup>rd</sup> kind of field specialty	07 TECHNOLOGY & PRODUCTION	08 APPLICATION in other fields, DETERMINATION	09 DISTRIBUTION & SYNTHESIS
1 FORM & STRUCTURE AREA	11 Logic	12 Mathematics	13 Statistics	14 Systemology	15 Organization Science	16 Metrology	17 Cybernetics, Control & Automation	18 Standardization	19 Testing & Monitoring
2 MATTER & ENERGY AREA	21 Mechanics	22 Physics of Matter	23 General & Technical Physics	24 Electronics	25 Physical Chemistry	26 Pure Chemistry	27 Chemical Technol. & Engineering	28 Energy Science & Technology	29 Electrical Engineering
3 COSMOS & EARTH AREA	31 Astronomy & Astrophysics	32 Astronautics & Space Research	33 Basic Geosciences	34 Atmospheric Sciences & Technology	35 Hydrospheric & Ocean. Science & Technology	36 Geological Sciences	37 Mining	38 Materials Science & Technology	39 Geography
4 BIO SPHERE	41 Basic Biological Sciences	42 Microbiology & Cultivation	43 Plant Biology & Cultivation	44 Animal Biology & Breeding	45 Veterinary Sciences	46 Agriculture & Horticulture	47 Forestry & Wood Science & Technology	48 Food Sciences & Technology	49 Ecology & Environment
5 HUMAN AREA	51 Human Biology	52 Health & Theor. Medicine	53 Pathology & Pract. Medicine	54 Clinical Medicine & Cure	55 Psychology	56 Education	57 Occupation, Labor & Leisure	58 Sports	59 Household & Home Life
6 SOCIETAL AREA	61 Sociology	62 State & Politics	63 Public Administration	64 Money & Finances	65 Social Assistance, Appraisal & Survey	66 Law & Legal Science	67 Areal Planification & Urbanism	68 Structure of Defense	69 History Science & History
7 ECONOMY & TECHNOLOGY AREA	71 General & National Economics	72 Applied Economics, Business Mgt.	73 Technical Sciences	74 Mechanical & Precision Engg-	75 Building & Civil Engineering	76 Science of Commodities & Technol.ofGoods	77 Vehicle Science & Technology	78 Traffic & Transport.Tech. & Services	79 Service Economics
8 SCIENCE & INFORMATION AREA	81 Science of Science	82 Information Sciences	83 Computer Science	84 Information in general	85 Communication	86 Mass Communication	87 Printing & Publishing	88 Tele- communication	89 Semiotics
9 CULTURE AREA	91 Language & Linguistics	92 Literature & Philology	93 Music & Musicology	94 Fine Arts	95 Theatre	96 Culture Science (narrow sense)	97 Philosophy	98 Religion (in general)	99 Christian Religion & Theology

Thank you