



Civil Engineering Collection Management Policy

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Subject Page: <http://researchguides.case.edu>

I. Purpose:

The primary purpose is to support the research and teaching activities of the Department of Civil Engineering. Civil engineering is concerned with the environment and with the planning, design, and construction of facilities for meeting the needs of modern society. The Department of Civil Engineering offers programs that lead to a Bachelor of Science in Civil Engineering or a graduate degree, Master of Science or Doctor of Philosophy degrees in structures, engineering mechanics, geotechnical, and environmental engineering. Major focus areas of the department include structural engineering, environmental engineering, geotechnical engineering, engineering mechanics, and construction management. Publications in the field of civil are of interest not only to civil engineers but also to researchers and students in a wide variety of disciplines, such as environmental studies.

II. General Collection Guidelines:

A. Languages: English is the primary language of collection. Other languages may be considered with emphasis towards English translations.

B. Chronological Guidelines: Books and journals of current teaching and research interests are the primary focus. Retrospective collecting may occur at the request of a new faculty member or by a faculty member with a new research area.

C. Geographical Guidelines: There are no specific geographical limits of coverage, but primary focus would be North America.

D. Treatment of Subject: Selective acquisition of lower and upper division textbooks, laboratory manuals, introductory works and popular materials.

E. Types of Materials: Includes selective acquisition of treatises, encyclopedias, atlases, dictionaries, directories, abstracts, handbooks, and the proceedings and transactions of conferences and symposia. Theses and dissertations from other institutions, audio-visual materials, and textbooks generally are excluded. All formats of materials will be considered, while prominence may be placed on electronic resources or OhioLINK offerings.

Journals are collected in both print and electronic formats.



F. Dates of Publication: Emphasis is on current works with retrospective materials purchased selectively.

G. Deselection: Since the collection is considered a research collection, deselection is done with great care. Special consideration is given to the relevance of older materials to the study of the history of science. Older or fragile materials that cannot be deselected are considered for relocation to remote storage.

H. Cooperative and Related Collections: Case is a founding member of OhioLINK, the Ohio Library and Information Network. OhioLINK is a statewide consortium of public and private colleges and universities, the State Library of Ohio, and technical and community colleges supporting a combined central catalog of statewide holdings, selected online indexes, full-text databases, reference tools, ebooks, & image collections. OhioLINK's goal is to provide easy access to information and rapid delivery of library materials throughout the state. Collection development decisions regarding shared electronic resources are made through the OhioLINK Cooperative Information Resources Management (CIRM) Committee. Additional collaboration on collection management may occur with other centers or libraries, as needed.

I. Other General Considerations: The Civil Engineering department has active research programs in computational mechanics, probabilistic design, bridges, dynamics and wind engineering, response of concrete and steel structures, fracture mechanics, static and dynamic behavior of soils, earthquake engineering, subsurface and ex-situ remediation, colloid behavior in environmental systems, and contaminated sediment dynamics.

J. Electronic Resources: Additional considerations are put into the electronic resources and databases that support the research of this department. To see the Civil Engineering specific databases, proceed to <http://library.case.edu/databases/rdbindex.aspx?subject=318|413>.

III. Observations and Qualifications by Subject and LC Class:

CDP Levels:

A. Minimal Level: Indicates that only highly selective purchases-- usually materials either for reference use, general interest, or for the support of a very specific research need--will be made.

B. Instructional Level: Indicates that standard works and selected current works will be required to support undergraduate and most graduate instruction or sustained independent study. This will include reference and fundamental bibliographic tools pertaining to the subject and a selection of representative journals. Retrospective purchasing is usually limited to standard works.

C. General Research Level: Indicates that the library will acquire most of the materials required to support research through the doctoral degree level and the general research needs of the faculty. Allows for retrospective purchasing depending upon the characteristics and needs of the individual disciplines and their state of development in the collection.

D. Comprehensive Level: Indicates that all currently-published relevant material will be acquired. Involves extensive programs of retrospective purchasing and searching for lacunae.

E. Intensive Level: Indicates the library will strive to acquire all appropriate current and retrospective written or recorded materials in all languages, editions, translations, and formats; manuscripts and other archival materials are acquired extensively. This level is appropriate for the creation or maintenance of a collection serving as a national bibliographic resource.

Subject	LC Class	Location	CDP Collecting Level	Collection Manager	Collection Notes
Environmental Engineering	TA 170-171	KSL	C	Brian C. Gray	
Exception: Materials of Engineering Includes Construction materials, building materials, mechanical properties, testing, physical properties, and special materials.	TA 401-492	KSL	-	Brian C. Gray	See Materials Science Collection Management Policy.
Surveying	TA 501-625	KSL	C	Brian C. Gray	
Structural Engineering	TA 630-695	KSL	C	Brian C. Gray	
Engineering Geology	TA 703-714	KSL	C	Brian C. Gray Shu Guo (Geological Sciences)	Also see the Geological Sciences Collection Management Policies.
Earthwork & Foundations	TA 715-787	KSL	C	Brian C. Gray	
Tunneling	TA 800-820	KSL	C	Brian C. Gray	
Engineering – Miscellaneous Topics: Includes iron & steel work, protection of structures, and waterproof construction.	TA 890-901	KSL	B	Brian C. Gray	
Transportation Engineering	TA 1001-1280	KSL	B	Brian C. Gray	Also see Mechanical Engineering Collection Management



					Policy for specific forms of transportation (automobile).
Hydraulic Engineering – General: Includes societies, dictionaries, history, study & teaching, etc.	TC 1-158	KSL	B	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Hydraulic Engineering – Miscellaneous Topics: Includes safety, technical hydraulics, harbors, dams, etc.	TC 159-558	KSL	B	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Hydraulic Engineering - Canals & waterways	TC 601-791	KSL	B	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Hydraulic Engineering - Irrigation & drainage	TC 801-978	KSL	B	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Hydraulic Engineering - Ocean engineering	TC 1501-1800	KSL	B	Brian C. Gray	Also see the Biology,



				Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Environmental Studies, and Geological Sciences Collection Management Policies.
Environmental Technology – General: Includes societies, dictionaries, history, general works, and study & teaching materials.	TD 1-158	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Municipal Engineering: Includes planning and laying out cities.	TD 159-168	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Environmental Protection	TD 169-171	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Environmental Pollution	TD 172-196	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.



Water Supply: Includes supply for domestic and industrial purposes.	TD 201-500	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Sewage Disposal: Includes collection and disposal systems.	TD 511-780	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Municipal Refuse: Includes solid wastes, disposal methods, and disposal of special types of wastes.	TD 785-811	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Radioactive Wastes - Disposal	TD 812	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Street Cleaning: Includes litter and its removal.	TD 813-870	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management



					Policies.
Types of Environmental Pollution: Includes soil pollution, air pollution, auto exhaust, etc.	TD 878-894	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Industrial Sanitation: Includes waste control.	TD 895-899	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Rural Sanitary Engineering	TD 920-931	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Low Temperature Sanitary Engineering	TD 940-949	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, & Geological Sciences)	Also see the Biology, Environmental Studies, and Geological Sciences Collection Management Policies.
Hazardous Substances: Includes disposal of both municipal & industrial hazardous wastes, other than radioactive,	TD 1020-1066	KSL	C	Brian C. Gray Shu Guo (Biology, Environmental Studies, &	



				Geological Sciences)	
Highway Engineering: Includes construction details, paved & unpaved roads, sidewalks, footpaths, and flagging.	TE 1-450	KSL	B	Brian C. Gray	
Railroad Engineering & Operation: Includes railway construction, equipment, supplies, operations, management, local, light & electric railways, and high speed ground transportation.	TF 1-1620	KSL	B	Brian C. Gray	
Bridge Engineering	TG 1-470	KSL	B	Brian C. Gray	
Building Construction – General: Includes societies, dictionaries, directories of building supply companies, history, biography, and general works.	TH 1-455	KSL	B	Brian C. Gray	
Architectural Engineering: Includes structural engineering of buildings and construction equipment.	TH 845-915	KSL	C	Brian C. Gray	
Systems of Building Construction: Includes fireproof & concrete construction.	TH 1000-1727	KSL	C	Brian C. Gray	
Details in Buildings: Includes walls, roofs, etc.	TH 2025-3000	KSL	C	Brian C. Gray	
Building Maintenance: Includes repair.	TH 3301-3411	KSL	C	Brian C. Gray	
Types of Buildings Constructed: Includes construction with reference to use, such as	TH 4021-4977	KSL	C	Brian C. Gray	



public buildings, commercial building, factories, etc.					
Building Trades: Includes construction by phase of the work, such as masonry, carpentry, etc	TH 5011- 5701	KSL	C	Brian C. Gray	
Building Fittings: Includes mechanical equipment.	TH 6010- 6013	KSL	C	Brian C. Gray	
Environmental/Sanitary Engineering of Buildings	TH 6014- 6085	KSL	C	Brian C. Gray	
Plumbing & Pipefitting: Including household plumbing.	TH 6101- 6887	KSL	B	Brian C. Gray	
Heating & Ventilation	TH 7005- 7699	KSL	B	Brian C. Gray	
Illumination of Buildings (Lighting)	TH 7700- 7975	KSL	B	Brian C. Gray	
Decoration of Buildings: Includes decorative furnishings.	TH 8000- 8581	KSL	B	Brian C. Gray	
Protection of Buildings: Includes protection from dampness, fire, burglary, etc.	TH 9025- 9745	KSL	B	Brian C. Gray	

* This document will be reviewed on an annual basis or with significant departmental program changes.

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