

Environmental Engineering & Earth Sciences/Geology

Information Access Policy

Clemson University Libraries

Written by J. Groff, Environmental Engineering/Geology Librarian (jgroff@clemson.edu)
Spring 2012

Introduction

This Information Access Policy is a statement of goals for building the library's collection in the subject areas of Environmental Engineering and Geology. It should serve as a guide for library personnel in making collection development decisions, and should inform users, in general, how library materials are selected in both Environmental Engineering and Geology.

Purpose of Collection

The Environmental Engineering & Earth Sciences and Geology collections support the research and teaching needs of undergraduate students, graduate students, faculty, and staff in Clemson's Environmental Engineering & Earth Sciences Department (EEES). The collection also supports research and education in other science and engineering departments at Clemson, including Biological Sciences, Chemistry, and Physics. The collection provides a foundation of support for research in the emphasis area of Sustainable Environment at Clemson University.

Clemson's Environmental Engineering and Geology Programs

Clemson's EEES Department offers undergraduate B.S. degrees in Environmental Engineering and Biosystems Engineering (which combines the application of engineering science and design with biological and agricultural sciences) as well as an undergraduate B.S. degree in Geology with Environmental Geology and Hydrogeology emphasis areas. An option for a B.A. degree in Geology and minors in Environmental Engineering, Environmental Science and Policy, and Geology are also available.

Graduate students may pursue the following degree programs: M.S. in Hydrogeology, M.S. or M.Eng. in Environmental Engineering and Science, Ph.D. in Environmental Engineering & Science, or an M.S. or Ph.D. in Biosystems Engineering.

The research interests of Clemson's EEES faculty are varied and include Hydrogeology, Environmental Chemistry, Environmental Health Physics, Anaerobic Microbial Ecology, Bioremediation, Hydrogeophysics /Geostatistics, Environmental Mineralogy, Environmental Engineering, Environmental Radiochemistry, and more.

Collection Locations

The majority of the physical collection is in Cooper Library. Some older books and print journal volumes, as well as more recent print journal volumes duplicated in a stable online format (such as Science Direct titles), are available in Offsite Shelving.

General Collection Guidelines

Languages: English is the primary language of the collection, though the collection includes some older, non-English materials. Materials in languages other than English are not actively selected.

Geographic Guidelines: No geographical limitations will be placed on the acquisition of geology or environmental engineering materials. However, priority will be given to works focusing on the geology of South Carolina, Northeast Georgia, and South-Western North Carolina. Secondary priority will be the Eastern United States.

Chronological Guidelines: Emphasis is on current research and development, but an effort is made to maintain strong retrospective collections in fields where past literature remains important. Retrospective collecting may also be done at the request of faculty in support of their research and teaching.

Types of Materials Selected: Emphasis is on research materials and materials to support Clemson's Environmental Engineering & Earth Sciences, Geology, Hydrogeology, Biosystems Engineering, and Environmental Science and Policy curricula. The collection includes monographs, journals and other serials, reference works, indexes and abstracts, and data collections. Graduate level texts are acquired extensively, while basic undergraduate textbooks whose primary function is instruction are usually excluded. Biography and history of geology and related subjects are acquired very selectively. Materials published by Clemson University authors are also acquired selectively. Indexes and abstracts are licensed as online databases; databases most used by Environmental Engineers and Geologists include GeoRef, Engineering Village (includes INSPEC and COMPENDEX), SciFinder Scholar, Web of Knowledge (includes Web of Science, INSPEC, Biosis, and MEDLINE), and Proquest's collection of Environmental Sciences and Pollution Management Databases. Given that access to journals is key to the success of Clemson researchers in Environmental Engineering and Geology, every effort will be made to increase the size of Clemson's journals collection in these subject areas.

Format of Materials: No format is excluded. For journals, indexes, reference works, and data collections, the online versions are preferred. Books and book series are increasingly purchased in electronic format. Duplication of formats will largely be avoided.

LC Class: Environmental Engineering & Earth Sciences and Geology are diverse subject areas, and the LC classifications of interest to faculty and students vary widely. However, the predominant LC classifications of the collection are QE1-999 for Geology and TD1-1066 for Environmental Engineering (referred to as *Environmental technology. Sanitary engineering* in the Library

of Congress Classification Outline). Materials will also be purchased in the LC Subclasses of GB (Physical Geography), TC (Hydraulic Engineering), and others.

Geology	
LC Class	Subject
QE1-350.62	General. Including geographical divisions
QE351-399.2	Mineralogy
QE420-499	Petrology
QE500-639.5	Dynamic and structural geology
QE521-545	Volcanoes and earthquakes
QE601-613.5	Structural geology
QE640-699	Stratigraphy
QE701-760	Paleontology
QE760.8-899.2	Paleozoology
QE901-996.5	Paleobotany

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

Selection Tools

Faculty input and research interests will be given the highest priority in selection decisions. In addition, circulation statistics, publisher catalogs, and book reviews will be used in selecting monographs. Impact factors and available journal usage statistics may play a role in journal selection decisions. Interlibrary Loan requests will also be monitored so that materials frequently requested from other institutions may be purchased.

Access to Materials not Available at Clemson

Interlibrary Loan is the primary method of accessing both monographic materials and published articles.

Weeding

Monographic material published twenty years prior to the current date that has not circulated within the last ten years will be considered for weeding. Older materials that have not circulated recently may be kept for historical and/or reference purposes.

Books will be removed from the collection if they are in poor condition and cannot be repaired. Every effort will be made to replace high-use titles.

Print serials may be sent to Offsite Shelving if they are duplicated in a stable online format.