LAURIER Library

Collection Policy: Chemistry Program

Last reviewed July 2010

Purpose

The Collection Development policy is used as a guide to shape relevant collections and to ensure consistency in collection development. The decision to purchase library materials is primarily the responsibility of the Collections Librarian in consultation with faculty in the Department.

This policy has been developed by Debbie Chaves, Liaison Librarian, in cooperation with and endorsed by Kenneth Maly, the Department Faculty Library Liaison.

Collection Focus

- To support teaching, study and research up to the undergraduate level, as well as to support faculty research.

- Areas of special interest must include: analytical chemistry, biochemistry, biotechnology, chemical physics, general chemistry, inorganic chemistry, organic chemistry and physical chemistry.

Collection Scope

- **Language:** primarily English language materials are collected. Important publications primarily in French, German, Spanish and Russian will also be considered either in their original language or in translation if available.

- **Place of Publication:** priority is given to materials from Canadian or American publishers first, then British and European publishers

- **Dates of Publication:** emphasis is placed on recently published works. Works, both serial and monograph, already in the collection and have a publication date older than ten years may be selected for transfer to the Annex for long term storage.

- **Chronological Period:** works with a focus on current research will be emphasized. Those works having a historical overview may be considered.

- **Geographical Areas:** there are no geographical restrictions. Material is selected for its scientific importance

- **Publishers:** works from scholarly and academic publishers are emphasized

Types, Formats, and Readership of Materials Collected

- Materials with academic-level readership are selected. Titles such as "Annual Review" and "Recent Advances" should be continued along with "Occasional" publications. Donations from private collections may be considered if they fill a gap in the collection.

- Web-based formats for reference sources, journals and indexing sources are preferred. Print and microform are considered for reason of cost, availability, expected use or long term access.

- Single copies of books in print formats are generally selected. Web-based formats are selected on a title by title basis, especially if the title is of interest to users at multiple Laurier campuses. Duplication of print across Laurier campuses is generally avoided.

- Excluded types include textbooks, abridgements, study aids, limited editions, works by vanity presses, reprints and partial contents (eg. single issues of journals, electronic versions of single chapters of books), juvenile, pamphlets, obsolete formats. Titles already held by the Universities of Waterloo and Guelph may be excluded.

- The following items, as they apply to Chemistry, will only be considered for inclusion in the collection upon the request of the Chemistry faculty:
    - Proceedings of conferences, symposia, international congresses, etc.
    - Selected Canadian and American theses
    - Reports of non-governmental organizations such as research centres, university departments, etc.
    - Numeric and/or spatial data
    - Electronic formats

Subjects Collected and Collecting Priorities

Collecting priorities are categorized into 3 levels:

- A=highest emphasis. The collection includes major published materials required to support the core teaching and research at the highest degree level offered by the Department.

- B=secondary emphasis. The collection includes a selection of materials to complement the discipline as a whole, although it may not be a primary focus for courses. This level is also used to identify other departments that may have identified aspects of this area as something of highest emphasis

- C=selective emphasis. Materials, including reference materials and basic journals and indexes are collected to introduce and define an area

	QD	**Chemistry**	**Collection Priority**	
	Class	**Description**		
QD	**1-999**	**Chemistry**	**Undergrad**	**Grad**
QD	1-65	General	A	C
QD	71-145	Analytical chemistry		
QD	71-78	Analytical chemistry (general)	B	C
QD	79-80	Methods of analysis (chromatography, instrumental analysis, etc.)	A	A
QD	81-94	Qualitative analysis (general)	C	B
QD	95-100	Spectrum analysis	B	A
QD	101-120	Quantitative analysis	A	A
QD	121	Gas analysis	C	C
QD	122-131	Technical analysis (general)	C	C
QD	132-138	Analysis of metals	B	A

QD	139-141	Analysis of other substances	B	A
QD	142-145	Water analysis	A	A
QD	146-240	Inorganic chemistry		
QD	146-160	Inorganic chemistry (general)	A	C
QD	161-170	Nonmetals	A	C
QD	171-180	Metals	A	A
QD	181-188	Special elements	B	A
QD	189-193	Salts	A	B
QD	196	Inorganic polymers and polymerization	B	C
QD	197	Cyclic compounds	C	C
QD	241-449	Organic chemistry		
QD	241-261	Organic Chemistry (general)	B	C
QD	262-270	Organic synthesis	A	A
QD	271-272	Organic analysis	B	A
QD	273	Organic electrochemistry	C	C
QD	274-276	Organic photochemistry	B	B
QD	277-290	Organic chemistry operations	C	C
QD	291-299	Nomenclature	B	C
QD	300-314	Aliphatic compounds	C	C
QD	315-319	Urea and related compounds	C	C
QD	320-329	Carbohydrates	C	B
QD	330-374	Aromatic compounds	A	A
QD	375-379	Antibiotics	A	A
QD	380-389	Polymers	B	B
QD	390-398	Condensed benzine rings	B	A
QD	399-409	Heterocyclic and macrocyclic chemistry	B	A
QD	410-414	Organometallic chemistry	A	A
QD	415	Biochemistry (general)	A	A
QD	416	General	A	C
QD	419-420	Gums and resins	C	C
QD	421-425	Alkaloids	B	C
QD	426-430	Steroids	B	B
QD	431-432	Proteins, peptides, amino acids	A	A
QD	433-440	Nucleic acids	A	A
QD	441-449	Colored compounds	A	B
QD	450-455.4	Physical and theoretical chemistry (General)	B	C
QD	455.5-460	Study and teaching	A	B
QD	461	Atomic and molecular theory	B	B
QD	462	Quantum chemistry	B	B
QD	463-470	Atomic weights, chemical elements, etc	C	C
QD	471	Chemical compounds	B	C
QD	473	Physical properties in relation to structure	A	B
QD	474	Complex compounds	B	A
QD	475	Physical inorganic chemistry	B	C
QD	476	Physical organic chemistry	A	A
QD	477	Acids and bases (general)	A	A
QD	478-479	Solid state chemistry	B	A
QD	480	Models of atoms, molecules, compounds	A	C
QD	481-500	Stereochemistry	B	A
QD	501-505.7	Chemical re s	C	C
QD	505.8-505.9	Chemiluminescence	A	B
QD	506-509	Surface chemistry	B	A
QD	510-537	Thermochemistry	B	B

QD	538-539	Chemistry of high and low pressures	C	C
QD	540-550	Solution, colloids	B	A
QD	551-580	Electrochemistry	B	B
QD	581-590	Plasma chemistry	C	C
QD	591-600	Magnetochemistry	C	C
QD	601-624	Radiochemistry, nuclear chemistry	C	C
QD	625-700	Radiation chemistry	C	C
QD	701-800	Photochemistry	A	A
QD	801	Sonochemistry	C	B
QD	850	Mechanical chemistry	C	B
QD	875-878	Supramolecular chemistry	A	A
QD	901-999	Crystallography	B	B
	TP	**Chemical Technology**		
	LC Range	**Description**		
TP	**1-1185**	**Chemical Technology**		
TP	1-154	General. History	B	C
TP	155-199	Chemical engineering. Laboratories	C	C
TP	200-248	Chemicals.	B	C
TP	248	Biotechnology	A	B
TP	249-1185	Chemical engineering, Chemical industries	C	C

Related Programs and Support

Consortial purchases with the TriUniversity Group of Libraries (Guelph, Waterloo, Laurier university libraries), with the Ontario Council of University Libraries, and on a national level, are pursued.

The WLU Special Collections department has a number of collections of personal papers from local academics dealing with the environment, the Great Lakes and fisheries that may be of value to Chemistry students.

Last updated: July 2010