

## LIBRARY COLLECTION REVIEW for PROPOSED COURSE

Proposed Course Prefix and Number: CHM 546

Proposed Title: Forensic Toxicology & Drug Chemistry

1. Results of the librarian's review of the adequacy of library holdings to support the proposed course content areas and assignments. Please be specific, and indicate whether the subject areas of the course require new expenditures, or are already included in the collection due to library support of courses with similar information needs.

A subject heading search in the Newton Gresham Library catalog reveals book collections under the following applicable or related subject headings listed in alphabetical order: autopsy-13; biological assay-8; chemistry, forensic-31; chemistry, analytic-78; chemistry, analytic-methodology-1; chromatographic analysis-53; drugs of abuse-toxicology-1; drug testing-9; drug testing-U.S.-21; drugs-analysis -17; extraction (chemistry)-13; forensic sciences-69; forensic toxicology-7; gas chromatography-50; high performance liquid chromatography-21;immunoassay-2; instrumental analysis-22; liquid chromatography-19; mass spectrometry-68; mass spectrometry-forensic applications-2; microbiological assay-3; molecular spectra-8; pediatric toxicology-8; pharmaceutical chemistry-35; pharmacology-34; pharmacology with specific drug name e.g. cannabinoids, cocaine, ethanol, street drugs; spectrum analysis-112; toxicology-59; toxicology, alcohol-3; toxicology, aromatic compounds-2; toxicology, arsenic-2; toxicology, cannabinoids-2; toxicology, carbon monoxide-4; toxicology, chemical agents-4; toxicology, cocaine-2.

The Newton Gresham Library maintains subscriptions to several journals in area of toxicology, and analytical chemistry which may be applicable to this proposed course. The journals the library subscribes to in print are: *Analytical Chemistry* (1947-to present), *Analytical Letters* (1972-to present), *Methods of Biochemical Analysis* (1954-to present), *Journal of Chromatography A* (1993-to present), *Journal of Chromatographic Science* (1969-to present) and *Journal of Forensic Sciences* (1978-to current).

Journals whose subscription is on-line or electronic only are: *Journal of Analytical Toxicology* (November 2000 to present) available via EBSCO EJS, *Chemical Research in Toxicology* (1988-to present) available in ACS (American Chemical Society) Legacy Archives, *Clinical Toxicology: The Official Journal of the American Academy of Clinical Toxicology and European Association of Poisons Centres and Clinical Toxicologists* (2005- to present, with 1 month embargo) available in Academic Search Premier, *Critical Reviews in Toxicology* (2002- to present) available in Academic Search Premier, *Drug and Chemical Toxicology* (2000- to present, with 1 year embargo) available in Academic Search Premier.

The Newton Gresham Library maintains subscriptions to several electronic databases which index and abstract, with some providing full-text access to articles published in scholarly journals in chemistry and toxicology, such as those mentioned above and additionally ScienceDirect, SciFinder Scholar, and Wilson General Science Full-text.

2. Identify additional resources that are likely to be needed, and the approximate cost of the materials. Specific resources were identified in section IV b that the Library would need to acquire in support of this proposed course. The *Journal of Analytical Toxicology* is currently available from November 2000 to the present via EBSCO EJS. The back files of the *Journal of Forensic Sciences* will be available in electronic format as of September of 2007; currently January 2006 to present time is available electronically.

There is also a request for the Library to obtain electronic subscriptions to *Therapeutic Drug Monitoring, Rapid Communications in Mass Spectrometry*, and *Journal of Chromatography B, Analytical Technologies in the Biomedical and Life Sciences*. There would need to be a thorough evaluation of the cost of subscription compared with Interlibrary Loan provision for articles from these three journals.

3. Bibliographer's comments (state any concerns regarding the library's support of the course). In this bibliographer's opinion there are ample resources within and provided by the Newton Gresham Library to furnish support for this proposed course.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
Bibliographer

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
Library Director