CHEMISTRY (CM-GY)

CM-GY 997X MS THESIS IN CHEMISTRY (3-9 Credits)
Typically offered Fall, Spring, and Summer terms
This course requires original experimental or theoretical research, guided by a chemistry faculty member that may serve as basis for an MS degree. The minimum research registration requirements for the master's thesis: 9 credits. Registration is required each semester consecutively until students complete adequate research projects and acceptable theses and have passed required oral examinations. | Prerequisite: Advisor approval
Grading: Satisfactory/Unsatisfactory
Repeatable for additional credit: Yes

CM-GY 5021 Information Sources for the Chemical Sciences (1.5 Credits)
Typically offered Fall
This course is a hands-on introduction to methods and tools for searching and includes both electronic (CD-ROM and online) as well as print databases. Students may emphasize topics related to their research. Graduate students are required to take this course.
Grading: Grad Poly Graded
Repeatable for additional credit: No

CM-GY 5040 Chemical Laboratory Safety (0 Credits)
Typically offered Fall and Spring
This course discusses problems of health and safety in chemical laboratories, including how to work safely with dangerous chemicals. This course must be completed by graduate and undergraduate chemistry students before they begin laboratory research.
Grading: Grad Poly Graded
Repeatable for additional credit: No

CM-GY 7573 Special Topics in "Informatics in Chemical and Biological Sciences" (3 Credits)
Typically offered occasionally
This course covers special topics on various advanced or specialized topics in chemo- or bioinformatics that are presented at intervals.
Grading: Grad Poly Graded
Repeatable for additional credit: Yes

CM-GY 7813 Characterization of Macromolecules (3 Credits)
Typically offered occasionally
This course covers characterization methods for linear-chain polymer and macromolecules in solution such as static and dynamic light scattering, osmometry, size exclusion chromatography, and viscometry. Also covered are characterization methods for macromolecules in solid state such as crystallography and mechanical and thermal analysis. | Prerequisite: Undergraduate physical chemistry or adviser approval.
Grading: Grad Poly Graded
Repeatable for additional credit: No

CM-GY 7853 Special Topics in Polymer Chemistry (3 Credits)
Typically offered occasionally
This course covers special topics in polymer chemistry. | Prerequisite: Adviser's approval.
Grading: Grad Poly Graded
Repeatable for additional credit: Yes