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1-1-2014

Chemistry Curriculum Map 2013-2014

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This map displays degree requirements, courses, faculty information, clubs & organizations, and Library resources associated with American Studies across the seven Claremont Colleges (7Cs) for the 2013-14 academic year. It was compiled using public information drawn from Colleges websites, course schedules and catalogs, and the Claremont Colleges Library website. **These maps should be understood as a snapshot of the consortium in time, and not representative of current information beyond 2013-14.**

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Claremont Colleges Library: Via Chemistry Curriculum: 2013-14

Core & Organization

Chemistry Cue

Chemistry

- CHEM 1A: Introductory
- CHEM 1B: Introductory
- CHEM 1C: Introductory
- CHEM 1D: Introductory

Core

- CHEM 1A: Introductory — Principles, principles, and general applications of the chemical sciences. Lecture, laboratory, and discussion.
- CHEM 1B: Introductory — Equilibrium, kinetics, thermodynamics, and electrochemistry. Lecture, laboratory, and discussion.
- CHEM 1C: Introductory — Atomic structure and bonding, spectroscopy, molecular structure, and reactivity of organic compounds. Lecture, laboratory, and discussion.
- CHEM 1D: Introductory — Reactivity of organic compounds, biochemistry, and introduction to polymer chemistry. Lecture, laboratory, and discussion.
- CHEM 24: Organic Chemistry: Spectroscopy — Spectroscopic methods in organic chemistry: UV-Vis, IR, NMR, and mass spectrometry. Lecture, laboratory, and discussion.
- CHEM 30: Organic Chemistry: Stereochemistry — Stereochemistry, conformational analysis, and reaction mechanisms. Lecture, laboratory, and discussion.
- CHEM 31: Organic Chemistry: Synthetic Methods — Synthetic methods in organic chemistry. Lecture, laboratory, and discussion.
- CHEM 32: Organic Chemistry: Heterocyclic Chemistry — Heterocyclic chemistry. Lecture, laboratory, and discussion.
- CHEM 33: Organic Chemistry: Pericyclic Chemistry — Pericyclic reactions and other concerted reactions. Lecture, laboratory, and discussion.
- CHEM 34: Organic Chemistry: Photochemistry — Photochemistry and photophysics. Lecture, laboratory, and discussion.
- CHEM 35: Organic Chemistry: Biochemistry — Biochemistry. Lecture, laboratory, and discussion.
- CHEM 36: Organic Chemistry: Polymer Chemistry — Polymer chemistry. Lecture, laboratory, and discussion.
- CHEM 37: Organic Chemistry: Advanced Synthesis — Advanced synthesis in organic chemistry. Lecture, laboratory, and discussion.
- CHEM 38: Organic Chemistry: Organometallics — Organometallic chemistry. Lecture, laboratory, and discussion.
- CHEM 39: Organic Chemistry: Natural Products — Natural products chemistry. Lecture, laboratory, and discussion.
- CHEM 40: Inorganic Chemistry: Coordination Chemistry — Coordination chemistry. Lecture, laboratory, and discussion.
- CHEM 41: Inorganic Chemistry: Solid State Chemistry — Solid state chemistry. Lecture, laboratory, and discussion.
- CHEM 42: Inorganic Chemistry: Bioinorganic Chemistry — Bioinorganic chemistry. Lecture, laboratory, and discussion.
- CHEM 43: Inorganic Chemistry: Organometallics — Organometallic chemistry. Lecture, laboratory, and discussion.
- CHEM 44: Inorganic Chemistry: Cluster Chemistry — Cluster chemistry. Lecture, laboratory, and discussion.
- CHEM 45: Inorganic Chemistry: Polymer Chemistry — Polymer chemistry. Lecture, laboratory, and discussion.
- CHEM 46: Inorganic Chemistry: Catalysis — Catalysis. Lecture, laboratory, and discussion.
- CHEM 47: Inorganic Chemistry: Electrochemistry — Electrochemistry. Lecture, laboratory, and discussion.
- CHEM 48: Inorganic Chemistry: Photochemistry — Photochemistry. Lecture, laboratory, and discussion.
- CHEM 49: Inorganic Chemistry: Nanomaterials — Nanomaterials. Lecture, laboratory, and discussion.
- CHEM 50: Inorganic Chemistry: Chemical Bonding — Chemical bonding. Lecture, laboratory, and discussion.
- CHEM 51: Inorganic Chemistry: Ligand Design and Synthesis — Ligand design and synthesis. Lecture, laboratory, and discussion.
- CHEM 52: Inorganic Chemistry: Lab Methods — Lab methods. Lecture, laboratory, and discussion.
- CHEM 53: Inorganic Chemistry: Lab Methods — Lab methods. Lecture, laboratory, and discussion.
- CHEM 54: Inorganic Chemistry: Lab Methods — Lab methods. Lecture, laboratory, and discussion.
- CHEM 55: Inorganic Chemistry: Lab Methods — Lab methods. Lecture, laboratory, and discussion.