College of Science
Proposed Catalog Changes
Effective Summer 2017

CHEMISTRY

1. Drop the following course

Chem 050 Chemistry Fundamentals (0 cr)
Chemical problem solving, SI unit conversion, mole concept, chemical stoichiometry, solution concentration problems, periodic table, chemical formulas and nomenclature, and equation balancing. Graded P/N/F. A special fee is charged for this course.

Available via distance: No
Geographical Availability: Moscow
Rationale: CHEM 050 should be dropped as it is no longer needed and has not been offered for several years. This zero-credit course was originally meant to be one of the possible prerequisites for students entering CHEM 111, but it was found to be unsatisfactory and has been superseded by CHEM 101.

GEOGRAPHY

1. Change the following courses:

Geog 301 Meteorology (3 cr)
Atmospheric processes that produce weather; temperature; moisture, clouds, and precipitation; synoptic-scale weather; severe storms; weather instrumentation, weather maps, and forecasting; influences of weather on humans and impacts of humans on weather. (Fall only)
Prereq: Geog 100/100L, Phys 100/100L, Phys 111/111L, or Phys 211/211L; and Math 143 or equivalent; or Permission

Available via distance: No
Geographical Availability: Moscow
Rationale: Material covered in the course only requires fundamental knowledge of math. Requirements of physics and physical geography are not needed, as they concepts are introduced in the course.

Geog 401 Climatology (3 cr)
Physical basis for climatic processes and patterns; mechanics of global atmospheric circulation; radiation balance and heat budget of the earth; models of weather patterns and climate. (Spring, alt/ys)
Prereq: Geog 301, Geog 313, or Graduate Standing Permission

Available via distance: No
Geographical Availability: Moscow
Rationale: We are removing the prerequisite of “graduate standing” from the prerequisites since a joint-listed graduate level version of this course is being added.

Geog 390 Cartographic Design & Geovisualization (3 cr)
Map projections, map generalization, cartographic design, map symbology, and typography; statistical, isarithmic and multivariate mapping; static versus dynamic mapping; interactive and internet mapping; cartographic animation; 2 hrs of lab/wk. (Spring only)
Prereq: Geog 385 and Stat 251

Available via distance: No
Geographical Availability: Moscow
Rationale: STAT 251 is proposed to be dropped as a prereq for this course as the students do not need this level of preparation to succeed in the course.