**PART 1) CHEM 121 GENERAL CHEMISTRY I**

**A) CHEM 121 Course Description as published in the current NWIC Catalog:**

Designed for students interested in programs requiring a strong background in chemistry. Topics include chemistry principles and problem solving techniques; the structure of matter; introduction to quantitative relationships (the MOLE concept) as well as chemical reactions and reaction types. Lab included.

* Note: This contains erroneously-included semicolons, which are intended to be corrected in the revised course description.

**B) CHEM 121 Course Description as approved during 2nd reading (in course revision form):**

**Course Catalog Description** (50-word maximum): Designed for students interested in programs requiring a strong background in chemistry. Topics include chemistry principles and problem-solving techniques, the structure of matter, introduction to quantitative relationships (the MOLE concept), and chemical reactions and reaction types.

* Note: As above note, with semicolons replaced with commas, *but with erroneously omitted "Lab included." "Lab included." needs to be restored at the end of the course description.*

**C) CHEM 121 Course Description as approved during 2nd reading (in syllabus):**

* Note: As indicated above.

**D) CHEM 121 Course Description CORRECTION:**

Designed for students interested in programs requiring a strong background in chemistry. Topics include chemistry principles and problem-solving techniques, the structure of matter, introduction to quantitative relationships (the MOLE concept), and chemical reactions and reaction types. Lab included.

* Note: This is the CHEM 121 course description as intended.

**PART 2) CHEM 122 GENERAL CHEMISTRY II**

**A) CHEM 122 Course Description as published in the current NWIC Catalog:**

Continuation of CHEM 121. Topic include: nuclear chemistry; atomic and molecular theory; electron configurations and periodicity; states of matter; gas laws; solution chemistry including colligative properties. Extensive problem solving and laboratory work included.

* Note: This contains erroneously-included semicolons and a colon, which are intended to be corrected in the revised course description.

**B) Course Description as approved during 2nd reading (in course revision form):**

**CHEM 122 Course Catalog Description** (50-word maximum): Continuation of CHEM 121. Topics include control of chemical reactions, chemical kinetics and equilibria, acids and bases, precipitation reactions, electrochemistry and redox reactions, and quantitative analysis. Extensive problem solving and laboratory work included.

* Note: The course description for CHEM 123 was erroneously included in the CHEM 122 course revision form and syllabus.

**C) CHEM 122 ERRONEOUS Course Description as approved during 2nd reading (in syllabus):**

Continuation of CHEM 121. Topics include control of chemical reactions, chemical kinetics and equilibria, acids and bases, precipitation reactions, electrochemistry and redox reactions, and quantitative analysis. Extensive problem solving and laboratory work included.

* Note: As indicated above.

**D) CHEM 122 Course Description CORRECTION:**

Continuation of CHEM 121. Topics include nuclear chemistry, atomic and molecular theory, electron configurations and periodicity, states of matter, gas laws, solution chemistry including colligative properties. Extensive problem solving and laboratory work included.

* Note: This is the CHEM 122 course description as intended. Or, "problem-solving and laboratory work" may be preferred, if "problem-solving" is considered to modify "work."

**PART 3) CHEM 123 GENERAL CHEMISTRY III**

**A) CHEM 123 Course Description as published in the current NWIC Catalog:**

Continuation of CHEM 122. Topics include: control of chemical reactions; chemical kinetics and equilibria; acids and bases; precipitation reactions; electrochemistry and redox reactions; quantitative analysis. Extensive problem solving and laboratory work included.

* Note: This contains erroneously-included semicolons and a colon, which are intended to be corrected in the revised course description.

**B) CHEM 123 Course Description as approved during 2nd reading (in course revision form):**

**Course Catalog Description** (50-word maximum): Continuation of CHEM 122. Topics include control of chemical reactions, chemical kinetics and equilibria, acids and bases, precipitation reactions, electrochemistry and redox reactions, and quantitative analysis. Extensive problem-solving and laboratory work included.

* Note: This eliminates the colon and semicolon, but contains a hyphen in "problem-solving," which may be more correctly stated as "problem solving" (as the "problem solving may be regarded as standing on its own rather than modifying "work" in the last part of the sentence).

**C) CHEM 123 Course Description as approved during 2nd reading (in syllabus):**

Continuation of CHEM 122. Topics include control of chemical reactions, chemical kinetics and equilibria, acids and bases, precipitation reactions, electrochemistry and redox reactions, and quantitative analysis. Extensive problem-solving and laboratory work included.

* Note: This contains a hyphen in "problem-solving," which may be more correctly stated as "problem solving" (as the "problem solving may be regarded as standing on its own rather than modifying "work" in the last part of the sentence).

**D) CHEM 123 Course Description CORRECTION:**

Continuation of CHEM 122. Topics include control of chemical reactions, chemical kinetics and equilibria, acids and bases, precipitation reactions, electrochemistry and redox reactions, and quantitative analysis. Extensive problem solving and laboratory work included.

* Note: This is the CHEM 123 course description as intended. It eliminates the hyphen in "problem-solving." Or, "problem-solving and laboratory work" may be preferred, if "problem-solving" is considered to modify "work."