CHEM1100 - Fundamental Concepts of Chemistry

Credits:	3 (2/1/0)
Description:	Meets MnTC Goal Areas 2 and 3. Course deals with substances, their structures and properties, the changes they undergo and the laws that govern those changes. Intended for prospective elementary teachers, non-science majors and those who need background for General Chemistry. This course includes a lab.
Prerequisites:	• MATH0095 or placement by assessment
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Outline a brief history of chemistry. 2. Define matter. 3. Outline the states of matter. 4. Perform metric measurements of matter. 5. Analyze the chemical elements. 6. Characterize atomic structure. 7. Interpret the periodic table. 8. Compare chemical bonding schemes. 9. Summarize chemical nomenclature. 10. Analyze chemical reactions and equations. 11. Perform stoichiometric calculations. 12. Analyze gases. 13. Analyze liquids. 14. Outline basic organic chemistry. 15. Use the scientific method to solve problems. 16. Collect experimental data. 17. Analyze data. 18. Communicate results in oral or written form.
MnTC goal areas:	2. Critical Thinking 3. Natural Sciences

**Can be taking as a Prerequisite or Corequisite.*

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