



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Introduction to Chemistry
Course Number: CHM101

Required Materials

Textbook(s): Instant Access e-Textbook and online homework: Nivaldo J. Tro., *Introductory Chemistry 7th Edition*, Pearson Publishing (includes e-book and Mastering *Chemistry* online homework). ISBN: 9780138284282
Required Readings: None
Additional Materials: Webcam, Printer or access to a printer, scientific calculator

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

CHM101 Schedule (16-week)

Week	Chapter/Topic/Lab
1	Master and Class syllabus Chapter 1 – The Chemical World/ Scientific Method • Complete all your participation assignments listed in your weekly folders! • Follow directions on the Learning Management system to access Mastering Chemistry online homework and e-textbook
2	Chapter 2 - Measurement and Problem Solving
3	Chapter 3 – Matter and Energy
4	Review Exam 1 Exam 1 (Chapters 1, 2, 3)
5	Chapter 4 – Atoms and Elements
6	Chapter 5 – Molecules and Compounds
7	Chapter 6 – Chemical Composition (6.7-6.9 are excluded)
8	EXAM 2 (Chapters 4, 5, 6) Review Exam 2
9	Chapter 7 – Chemical Reactions (7.1-7.5 and 7.10) (7.6-7.9 are excluded)
10	Chapter 8 – Quantities in Chemical Reactions (8.5-8.7 are excluded)
11	EXAM 3 (Chapters 7,8)

Week	Chapter/Topic/Lab
	Review Exam 3
12	Chapter 12 – Liquids, Solids, and Intermolecular Forces + Supplemental Lecture on polarity
13	Chapter 13 -Solutions (13.8-13.10 are excluded)
14	Review Exam 4 EXAM 4 (Chapters 12-13)
15	Chapter 14 – Acids and Bases (14.6, 7, 8 and 14.10 are excluded)
16	Final Exam – All chapters included!

CHM101 Schedule (8-week)

Note: This table does not show the graded participation activities. Review Brightspace weekly folders for the full list of assignments under Lessons tab.

Week	Content
1	Master and Class syllabus Unit 1: Chapter 1 – The Chemical World/ Scientific Method Chapter 2 - Measurement and Problem Solving Complete all your participation assignments listed in your weekly folders! • Follow directions on the Learning Management system to access Mastering Chemistry online homework and e-textbook
2	Unit 1: Chapter 3 – Matter and Energy Unit1-EXAM 1 (Chapters 1, 2, and 3)
3	Unit 2: Chapter 4 – Atoms and Elements Chapter 5 – Molecules and Compounds
4	Unit 2: Chapter 6 – Chemical Composition (6.7-6.9 are excluded) Unit2-EXAM 2 (Chapters 4, 5, 6)
5	Unit 3: Chapter 7 – Chemical Reactions (7.1-7.5 and 7.10) (7.6-7.9 are excluded) Chapter 8 – Quantities in Chemical Reactions (8.5-8.7 are excluded) Unit 3-EXAM 3 (Chapters 7,8)
6	Unit 4: Chapter 12 – Liquids, Solids, and Intermolecular Forces
7	Unit 4: Chapter 13 -Solutions (13.8-13.10 are excluded)
8	Unit 5: Chapter 14 – Acids and Bases (14.6, 7, 8 and 14.10 are excluded) Final Exam – All chapters included!