|  | CLASS | CLASS | DISC. SEC. | CLASS | ALEKS[[1]](#footnote-1) | lAB |
| --- | --- | --- | --- | --- | --- | --- |
| WEEK | MON | WED | THURS | FRI | SUN | M, T |
| 1 | **Mar 27**Introduction to CHEM 142! | **Mar 29**RQ[[2]](#footnote-2): 12.0-2L1.1: The Nature of Light & Matter  | **Mar 30****DS01**: Meet your TA! Practice L1.1  | **Mar 31**RQ: 12.3-4L1.2: H-atom Emission, Bohr Model  | **Apr 2****Obj 1:** Review of atomic theory, units, math; L1.1-2 | **NO LAB** |
| 2 | **Apr 3**RQ: 12.5,7-8L1.3: Quantum Mechanics  | **Apr 5**RQ: 12.9 L1.4: H-atom Orbitals  | **Apr 6****DS02**: Practice L1.2-4 | **Apr 7**RQ: 12.10-11, 13L1.5: Electron Spin, Aufbau Principle Pre-Ex1 Ref opens 12a | **Apr 9****Obj 2:** L1.3-5 | **Lab Orientation** |
| 3 | **Apr 10** RQ: 12.15-16L1.6: Periodic Trends  | **Apr 12**RQ: 13.1-3, 6L2.1: Chemical Bonds Pre-Ex1 Ref due 11p | **Apr 13****DS03**: Practice L1.5-6; L2.1 | **Apr 14 EXAM 1****Coverage**: Unit 1 | **Apr 16****Obj 3:** L1.6; L2.1 | **Lab 1**Atomic Emission(in-lab report) |
| 4 | **Apr 17**RQ: 13.9-11L2.2: Lewis structures, Resonance  | **Apr 19**RQ: 13.12L2.3: Formal Charge, Exceptions to Octet Post-Ex1 Ref opens 6p | **Apr 20****DS04**: Practice L2.2-3 | **Apr 21**RQ: 13.13L2.4: VSEPR Theory  | **Apr 23****Obj 4:** L2.2-4Post-Ex1 Ref due 11p | **Lab 2**Chemical Models(in-lab report) |
| 5 | **Apr 24**Finish L2.4: VSEPR Theory  | **Apr 26**RQ: 3.1-3L3.1: Atomic mass; The mole; Molar mass  | **Apr 27****DS05**: Practice L2.4; L3.1-2 | **Apr 28**RQ: 3.5-7L3.2: Empirical form-ulas; Chem equationsPre-Ex2 Ref opens 12a | **Apr 30****Obj 5:** L3.1-3 | **Lab 3**Stoichiometry(in-lab report) |
| 6 | **May 1**RQ: 3.8-10L3.3: Chemical eqns, Stoichiometry  | **May 3**RQ: 4.1-3L4.1: Solutions; Electrolytes; DilutionsPre-Ex2 Ref due 11p | **May 4****DS06**: Practice L3.3; L4.1-2 | **May 5 EXAM 2****Coverage**: Units 1-3 ~~L4.1~~ | **May 7****Obj 6:** L4.1-2 | **NO LAB**  |
| 7 | **May 8**RQ: 4.4-8L4.2: Precipitation reactions | **May 10**RQ: 4.9-12 L4.3-4.4: Acid-base rxns; Ox.-red. rxnsPost-Ex2 Ref opens 6p | **May 11****DS07**: Practice L4.3-4 | **May 12**RQ: 15.1-3L5.1: Reaction Rates, Rate Laws  | **May 14****Obj 7:** L4.3-4; L5.1Post-Ex2 Ref due 11p | **Lab 4**Calibration Curves(take-home report) |
| 8 | **May 15**RQ: 15.4-5L5.2: Integrated Rate Laws  | **May 17** RQ: 5.1-3L5.3: Empirical gas laws; Ideal gas law  | **May 18****DS08**: Practice L5.1-3 | **May 19**RQ: 5.4-5 L5.4: Gas stoich.; Partial pressures Pre-Ex3 Ref opens 12a | **May 21****Obj 8:** L5.2-4 | **Lab 5**Kinetics I(take-home report) |
| 9 | **May 22**RQ: 5.6,10L5.5: Kinetic Molec Theory; Real gases  | **May 24**RQ: 15.6L5.6: Reaction Mechanisms Pre-Ex3 Ref due 11p | **May 25****DS09**: Practice L5.4-6 | **May 26 EXAM 3****Coverage**: Units 1-4, L5.1-5.5 | **May 28****Obj 9:** L5.5-6 | **Lab 6**Gaw Laws(in-lab report) |
| 10 | **May 29** **Memorial Day****NO CLASS** | **May 31**RQ: 15.8 L5.7: A Model for Chemical Kinetics Post-Ex3 Ref opens 6p | **Jun 1****DS10**: Practice L5.7 | **Jun 2**Course Review | **Jun 4****Obj 10:** L5.7**Pie Mastery**Post-Ex3 Ref due 11p | **NO LAB** |
| 11 | **Jun 5**  | **Jun 7****FINAL EXAM****Coverage**: Units -1-58:30-10:20a in BAG 131 |  |  |  | **NO LAB** |

**LEGEND:** RQ = reading quiz over indicated textbook sections; L = Lesson; Obj = ALEKS Objective; DS = Discussion Section; Ref = Reflection Survey

1. All ALEKS Objectives are due at 11 pm on Sundays. The Pie Mastery assignment is due at 11 pm on Sun, Jun 4 . [↑](#footnote-ref-1)
2. All Reading Quizzes (RQs) are due at 9:30 am on the day indicated. Each RQ opens at 12:00 am on the Saturday prior to its due date. [↑](#footnote-ref-2)