|  | 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): 12.0-2  L1.1: The Nature of Light & Matter | **Mar 30**  **DS01**: Meet your TA! Practice L1.1 | **Mar 31**  RQ: 12.3-4  L1.2: H-atom Emission, Bohr Model | **Apr 2**  **Obj 1:** Review of atomic theory, units, math; L1.1-2 | **NO LAB** |
| 2 | **Apr 3**  RQ: 12.5,7-8  L1.3: 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, 13 L1.5: Electron Spin, Aufbau Principle  Pre-Ex1 Ref opens 12a | **Apr 9**  **Obj 2:** L1.3-5 | **Lab Orientation** |
| 3 | **Apr 10**  RQ: 12.15-16  L1.6: Periodic Trends | **Apr 12**  RQ: 13.1-3, 6  L2.1: 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: 13.9-11  L2.2: Lewis structures, Resonance | **Apr 19**  RQ: 13.12  L2.3: Formal Charge, Exceptions to Octet  Post-Ex1 Ref opens 6p | **Apr 20**  **DS04**:  Practice L2.2-3 | **Apr 21**  RQ: 13.13  L2.4: VSEPR Theory | **Apr 23**  **Obj 4:** L2.2-4  Post-Ex1 Ref due 11p | **Lab 2**  Chemical Models  (in-lab report) |
| 5 | **Apr 24**  Finish L2.4: VSEPR Theory | **Apr 26**  RQ: 3.1-3  L3.1: Atomic mass; The mole; Molar mass | **Apr 27**  **DS05**:  Practice L2.4; L3.1-2 | **Apr 28**  RQ: 3.5-7  L3.2: Empirical form-ulas; Chem equations Pre-Ex2 Ref opens 12a | **Apr 30**  **Obj 5:** L3.1-3 | **Lab 3**  Stoichiometry  (in-lab report) |
| 6 | **May 1**  RQ: 3.8-10  L3.3: Chemical eqns, Stoichiometry | **May 3**  RQ: 4.1-3  L4.1: Solutions; Electrolytes; Dilutions Pre-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: 4.4-8  L4.2: Precipitation reactions | **May 10**  RQ: 4.9-12  L4.3-4.4: Acid-base rxns; Ox.-red. rxns Post-Ex2 Ref opens 6p | **May 11**  **DS07**:  Practice L4.3-4 | **May 12**  RQ: 15.1-3  L5.1: Reaction Rates, Rate Laws | **May 14**  **Obj 7:** L4.3-4; L5.1  Post-Ex2 Ref due 11p | **Lab 4**  Calibration Curves  (take-home report) |
| 8 | **May 15**  RQ: 15.4-5  L5.2: Integrated Rate Laws | **May 17**  RQ: 5.1-3  L5.3: 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: 5.6,10  L5.5: Kinetic Molec Theory; Real gases | **May 24**  RQ: 15.6  L5.6: 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 -1-5  8:30-10:20a 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)