

Advanced Chemistry

(student must be concurrently enrolled in APS co-op Advanced chemistry lab)

Grade: 9-12 having met the pre-requisites (see below)

Course Description:

This course is designed to be the second high school chemistry course that a student takes. In order to take this course, then, the student must have already had one year of high school chemistry. When added to that first-year course, this course “fills in the gaps,” giving the student the equivalent of the first year of college chemistry.

The course covers detailed descriptions of limiting-reagent stoichiometry, atomic and molecular orbitals, intermolecular forces, solutions, equilibria, acids and bases, redox reactions, nuclear chemistry, and organic chemistry.

Course Fee: \$100 per semester

Material/Admin Fee: \$15 per semester

Course Text: Adv. Exploring Creation with Chemistry, Dr. Jay Wile

Course Min.: 10 students

Course Pre-reqs.: One year of high school chemistry, Algebra 2. If a junior or senior wishes to take the class but has not completed a high school chemistry course, please see instructor.

Instructor: Jesse Cottrell

Jesse is a graduate of The Masters College with a degree in biological sciences (pre-med emphasis). He is 24 years old, the third eldest of 11 children, and was home schooled until he began college. He has worked at Bethesda missionary hospital on the island of Borneo, and was also an intern at UC Irvine working in the cancer research department. For two years he was concert master of the orchestra at Master's, and he still actively plays the violin. He is currently pursuing a Masters of Theology from Talbot Theological Seminary and will graduate in May of 2008.

His teaching experience includes teaching science to many of his siblings, tutoring at an after-school program at Sierra Vista Junior High, and teaching chemistry for the APS Co-op in 2005. He has been recommended to us by Dr. Francis (APS Co-op biology teacher) and Dr. Jones, the head of the chemistry department at Master's.

This is a two semester course and is worth 10 units. A grade will be issued by the instructor at the end of each semester. This course must be taken concurrently with the Adv. Chem Lab.

Advanced Chemistry Registration Form

The cost of this course involves a COURSE Fee, MATERIAL/ADMIN. Fee and a Co-Op Fee for each semester. Student must be concurrently enrolled in Adv. Chem. Lab.

Check for all three fees must be submitted with this registration form.

Fees may be paid in installments, but **ALL installment payment checks MUST BE INCLUDED with this form and dated as shown below.**

1. Payment of Course Fee: **MAKE PAYABLE TO JESSE COTTRELL**

1 ck in the amt of \$200 due at time of reg. **OR**

2 cks in the amt of \$100 (#1 with date of reg & ck #2 dated 1/1/08 **OR**

4 cks in the amt of \$50 (#1 with date of reg., ck #2 dated 11/1/07
ck #3 dated 1/1/08, ck #4 dated 3/1/08)

2. Payment of Material/Admin. Fee: **MAKE PAYABLE TO CASH**

1 ck in the amt of \$30 due at time of reg. **OR**

2 cks in the amt of \$15 (#1 with date of reg. & ck #2 dated 1/1/08)

3. Payment of Co-op Fees: **MAKE PAYABLE TO CASH**

1 ck in the amt of \$16 due at time of reg **OR**

2 cks in the amt of \$8 (#1 with date of reg & ck #2 dated 1/1/08)

Tear off & return with **ALL PAYMENT CHECKS** mentioned above, plus **SASE** to:

Melody Knight

27141 Rexford Pl., Valencia, CA 91354

Questions?

zmelody@pacbell.net

Registration Dates:

6/1-6/15/07 and 8/27-8/30/07

Advanced Chemistry

Parent's Names _____

Phone No. _____

Email _____@_____

Student's Names _____

Grade _____

New to APS? Please ck. here _____