

ANNE ARUNDEL COMMUNITY COLLEGE

CHE 112 LAB (Lab for General Chemistry 2)
 Professor Maureen A. Sherer
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Fall 2017
 Office: DRGN 2226
 Email: masherer@aacc.edu
 Office Hours: _____

Canvas content: log in through <http://myaacc.edu> ; Then choose your section under My Classroom.

TEXT & Supplies:	1) <u>AACC CHE 112 Laboratory Manual 2017-2018.</u>
	2) Scientific Calculator (programmable calculator not allowed for quizzes).
	3) bound notebook (sewn-in pages, not spiral or perforated).

TENTATIVE SCHEDULE

<i>Week of</i>	EXPERIMENT
Aug 28	Introduction, Safety, Scientific Writing, Graphing
Sep 4	Check-in; Equilibrium
Sep 11	Potassium Hydrogen Phthalate (KHP) Assay, Parts I & II; Review Quiz ; Sci Lit Research
Sep 18	Potassium Hydrogen Phthalate (KHP) Assay, Parts III & IV (Formal Lab Report)
Sep 25	Analyses of Titration Curves – difficult to make-up
Oct 2	Qualitative Analysis: Group I
Oct 9	Qualitative Analysis: Group IV & V
Oct 16	MIDTERM QUIZ ; Green Chemistry & General Unknown Worksheet
Oct 23	Qualitative Analysis: Anions
Oct 30	Qualitative Analysis: Salt Unknown
Nov 6	QUAL ANALYSIS QUIZ ; Faraday (Formal Lab Report)
Nov 13	Kinetics – no make-up; must be done with a class
Nov 20	No Lab
Nov 27	Atomic Absorption Spectroscopy (AAS) – no make-up; must be done with a class
Dec 4	Organic Molecular Structure; check-out; Deadline for all lab reports

Closure of the college for any reason: When the college reopens, this class will meet regardless of the remaining amount of class time.

Laboratory must be passed (60% or greater) in order to pass the course.

Experiments are to be performed during your scheduled laboratory period. In case of an unavoidable absence, with documentation of a compelling reason, one make-up lab may be granted. The lab must be made-up in a regularly scheduled CHE 112 lab within one week following the scheduled experiment week. A student must obtain permission of the involved instructors prior to the lab work, and the Report Sheet & Lab Notebook must be signed by the instructor in the make-up lab. If you are absent from your regular lab section more than three times (including a made-up lab), you will automatically fail the course. Kinetics & AAS Labs must be done with a class.

Lab Reports are due the week after the regularly scheduled lab, at the beginning of lab. The penalty for late reports in 10% during the first week, 20% during the 2nd, and 50% thereafter.

All CHE 112 students agree to acquaint themselves with the Laboratory Safety and Operational Rules and to abide by them.

This is the laboratory portion of a General Education Science Course with Laboratory. The particular College-wide Core Competencies which are emphasized in this course are 1) Scientific Reasoning, 2) Quantitative Reasoning, 3) Innovative and Critical Thinking 4) Communication, 5) Information Literacy, and 6) Technology Fluency.

GRADING:

8 Informal* Lab Reports @ 10 points	80 points
2 Formal* Lab Reports @ 15 points	30
Scientific Literature Research	15
Graphing Assignment	5
Green Chemistry Assignment	5
General Unknown Worksheet	10
Lab Notebook*	10
Review Quiz	10
Midterm Quiz	15
Qualitative Analysis Quiz	15
TOTAL	200 points

* See additional information given in class rubrics & handouts on writing style and content.

Bring the CHE 112 Lab Manual, your lab notebook, & your scientific calculator to all lab sessions.

Withdrawal: In order to receive a “W” for the course, a student must submit the appropriate form at the Records Office by Nov 20. If you stop attending class, but do not formally withdraw with the Records Office, be aware that you will receive a grade based on your earned points out of the course total .

Academic Integrity and Civil Discourse: Read the AACC policy on Academic Integrity at www.aacc.edu/policies and in the *AACC Catalog*. It is understood that students will abide by this and all college policies. The consequences of an academic integrity violation are very serious. A report is filed with the dean’s office and the penalty is substantial: It may include failure for the course or suspension, depending on the gravity of the violation. Impolite behavior will not be tolerated in this course.

E-mail correspondence: Please include your name and class section (CHE 112 Lab) in all correspondence with the professor.

All written communication must follow the conventional rules of grammar, punctuation, spelling, composition, and etiquette. This includes email messages, discussion postings, essay questions, and lab reports. Communication is one of the AACC Competencies addressed by this course.

Cell phones and all electronic communication devices must be silent & not used during all class and lab times. During quizzes these devices must be turned off and in a backpack, purse or closed tote bag.

Additional Learning Resources:

1. Professor’s Office Hours
2. Science Tutoring Center in the basement of the Dragun Science Bldg, Rm 5.
3. *Solutions to Problems Manual* (Bookstore & Library Reserve)
4. Course Textbook & Solution Manual is on Library Reserve): Free peer tutor (upon availability) arranged through Academic Support Online Tutoring (<http://ola.aacc.edu/ostc/>)
5. Time Management & Study Skills see <http://ola2.aacc.edu/vc/timemanagement/TimeManagementWebShop>
6. Computer Lab in DRGN 120 – open schedule posted by door.

Science Office Address and Phone Number:

Anne Arundel Community College
101 College Pky
Dragun Science Building, Room 226
Arnold, MD 21012
410-777-2260

Disability Support Services Statement: The Disability Support Services Office (DSS) provides equal access to educational opportunities for qualified students with disabilities. Students interested in course accommodations must provide relevant documentation in order to receive accommodations. For information, please call Courtney Sales, Program Manager for DSS, at 410.777.2306, email her at cjsales@aacc.edu or visit <http://www.aacc.edu/resources/disability-support-services> . Deaf and hard of hearing students can reach the office by calling Maryland Relay 711 or by emailing dss@aacc.edu.

Canvas ADA Statement: Canvas provides a user experience that is easy, simple, and intuitive. Special attention has been paid to making Canvas screen-readable. The Rich Content Editor encourages users to create universally accessible content. Canvas is designed to allow limited customization of colors and schemes to be accessible for all users. The National Federation of the Blind granted Canvas the Gold Level Web Certification in 2010. Find more information here: <http://www.instructure.com/accessibility>

Notice of Nondiscrimination: AACC is an equal opportunity, affirmative action, Title IX, ADA Title 504 compliant institution. Call Disability Support Services, 410-777-2306 or Maryland Relay 711, 72 hours in advance to request most accommodations. Requests for sign language interpreters, alternative format books or assistive technology require 30 days' notice. For information on AACC's compliance and complaints concerning sexual assault, sexual misconduct, discrimination or harassment, contact Suzanne Boyer, federal compliance officer at 410-777-1239 or complianceofficer@aacc.edu or Felicia Patterson, Title IX coordinator at 410-777-2256, or Maryland Relay 711.

Student Conduct Policy: Students shall at all times conduct themselves in a manner that demonstrates mutual respect and courtesy, displays appropriate standards of behavior, and refrains from any actions or inactions that impinge on the rights of others or disrupt the teaching and/or learning process or the operations of the college. A student found in violation of this policy or any other College policy shall be subject to appropriate sanctions in accordance with the student conduct procedures. The full text of the policy is available on the AACC website (<http://www.aacc.edu/policies>) and in the Student Handbook and College catalog.

Acceptable Use of Information Technology Resources: This policy governs the acceptable use of the college information resources by anyone. This policy applies to students enrolled in this course at any time they are using college resources. The goal of the usage policy is to encourage an environment of learning in which all students can interact in an open, legal, and ethical manner. The full text of the policy is available on the AACC website (<http://www.aacc.edu/policies>) and in the Student Handbook and College catalog.

Emergency Class Cancellation: If an emergency arises in which the college is closed, the planned activity for that day or assignment will occur or be due the next day that classes resume on campus. Students can also check www.aacc.edu. You can sign up for text messaging to your cell phone using the following website: <http://www.aacc.edu/campusalerts> .

ACA 100-020 Student Success for Science Students is a support class that has shown to increase student grades in the past. It does not start until a few weeks into the semester and only meets once per week. This one credit class can help you improve your learning/study skills. This section is taught by science faculty and is targeted to specific study skills needed in science. It does not re-teach your science class, it helps you to become a better student.