

ANNE ARUNDEL COMMUNITY COLLEGE

CHE 113 LAB (Lab for Fund. Of Organic & Biochemistry)
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Fall 2014
 Office: DRGN 226
 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 113 Laboratory Manual 2014-2015.</u>
	2) Scientific Calculator (programmable calculator not allowed for quizzes).
	3) bound notebook (sewn-in pages, not spiral or perforated).

TENTATIVE SCHEDULE

<i>Day</i>	<i>Exp #</i>	EXPERIMENT
Aug 27		Introduction; Safety; Scientific Literature Research, Check-in
Sep 3	1 & 2	Boiling Point & Density Determinations; Organic Molecular Models Part I
Sep 10	3	Organic Molecular Models Part II; Introduction to Green Chemistry
Sep 17	4	Melting Point Determination
Sep 24	5	Purification by Recrystallization
Oct 1	12	Green Synthesis of Divanillin
Oct 8	8 & App D	Buffers & pH; NMR Introduction
Oct 15	6	Thin Layer Chromatography (TLC)
Oct 22	7	Simple Distillation with Gas Chromatography (GC)
Oct 29	9	Synthesis of Aspirin
Nov 5	10	Extraction of Cholesterol from Gallstones
Nov 12	11	Separation of a Carboxylic Acid & a Neutral Substance
Nov 19	13	Activity of Enzyme Catalase
Nov 26		No Lab
Dec 3		Metabolism Analysis Worksheet; Quiz; Check-out

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. There are no make-up labs. If you are absent from your regular lab section more than three times, 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 113 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:

11 Lab Reports @ 10 points	110 points
Scientific Literature Research	15
Worksheets (Models, NMR, Metabolism)	30
Green Chemistry Assignment	10
Lab Notebook*	10
Final Quiz	25
TOTAL	200 points

* See additional information on page 12 of the [CHE 113 Lab Manual](#).

Bring the [CHE 113 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 17. 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/studentpolicies 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: *give your specific instructions, e.g., if you prefer Canvas or your aacc address.*

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. Free peer tutor (upon availability) arranged through Academic Support (www.aacc.edu/tutoring/PeerTutoring)
5. Online Tutoring (www.aacc.edu/tutoring/smarthinking or <http://ola.aacc.edu/ostc/>)
6. Time Management & Study Skills see <http://ola2.aacc.edu/vc/timemanagement/TimeManagementWebShop>
7. Computer Lab in DRGN 120 – open schedule posted by door.
8. Current course textbook is also at the Library Reserve Desk.

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 discrimination or harassment, contact Kelly Koerner, J.D., federal compliance officer, at 410-777-2607 or Maryland Relay 711.

Americans with Disabilities Act (ADA) Policy: Disability Support Services (DSS) provides equal access to educational opportunities for qualified students with disabilities. The primary goal of DSS is to promote full participation of all students in college life. All self-identified students must provide current documentation in order to receive classroom accommodations. Adaptive aids and resources are available to assist qualified students and can be found on www.aacc.edu/advising/DSSwelcome. DSS advisors are available to meet with students to discuss the procedures necessary to obtain appropriate documentation and to identify accommodations for which a student is eligible.

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/studentpolicies/default.cfm>) and in the Student Handbook and the *AACC Catalog*.

Science Office Address and Phone Number:

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