

**Course Title:** CHEM121L: Laboratory for General College Chemistry I

**Semester:** FALL 2019

**Credit Hours:** 1 (2 laboratory hours)

**Co-requisites:** CHEM 121

**Laboratory Location:** 260 Crawford Hall

**Laboratory Time(s):** M, 1:00 – 2:50 pm; T, 9:30 – 11:20 pm

**Instructor:** Prof. Arthur Haber

**Office Location:** 349 Crawford Hall

**Office Hours:** M,W,F @ 9:00-9:50; and T @ 12:00 – 12:50; Th @ 12:20 – 1:00

**Office Email:** habera@morrisville.edu

**Office Phone:** 684-6184

**Course Description:**

*Exercises to develop competence in basic laboratory techniques: to develop skills in proper methods of collecting, organizing, and handling of data; to develop preparation skills; to develop observational skills; to develop trouble shooting skills; to develop written communication skills. Experiments designed to reinforce and supplement lecture topics. These credits count toward the Math and/or Science (List B) requirements for graduation*

**Course Learning Outcomes:**

**Using the information and activities provided by this course, after successfully completing this course, the student will be able to:**

- name and identify typical laboratory apparatus.
- properly use a ruler.
- properly use a Bunsen burner and laboratory balance.
- properly use a buret and pipet.
- determine if a reaction has occurred and write a balanced chemical equation.
- apply the equation of state for gases to experimental observations.
- perform basic calorimetry operations.
- draw Lewis structures and decode properly.
- submit completed, clearly written lab reports on time.

**Required Learning Resources:**

**LABORATORY MANUAL FOR CHEMISTRY 121L**, available on-line on instructor's web page.

**Additional Learning Resources:**

Scientific Calculator

Graph Paper

Metric Ruler

**Lab Reports:**

*A completed lab report is required for each experiment, each worth 15 points. Extra credits on selected additional assignments. No grades dropped.*

**Assessment and Grading:**

**A**, 100-92%; **A-**, 91-88%; **B+**, 87-85%; **B**, 84-81%; **B-**, 80-77%; **C+**, 76-74%; **C**, 73-70%; **C-**, 69-66%; **D+**, 65-63%; **D**, 62-60%; **F**, <60%.

### Tentative Course Calendar/Topics:

Week	Experiment	Week	Experiment	Week	Experiment
1	1	6	6	11	10
2	2	7	7	12	11
3	3	8	8	13	12
4	4	9	No Lab	14	13
5	5	10	9	15	14

### Class Attendance:

Students are expected to attend all scheduled classes and laboratories. However, special circumstances such as illness, religious holidays, travel difficulties, family emergencies and participation in college sponsored events may make certain absences unavoidable. In such instances, students should notify instructors of these special circumstances. A faculty member can suspend a student from class or laboratory for disruptive behavior, that is, for actions which interfere with the orderly conduct of the session or which threaten bodily harm to others. Although regular class attendance will not guarantee passing grades, irregular attendance will usually have an adverse effect upon them. *Students should review the Morrisville State College Student Handbook for further details.*

### Academic Support:

The Academic Enrichment Center (AEC) provides free learning assistance services to all students at Morrisville State College. Tutoring by qualified peer and professional tutors is available in most subject areas on a walk-in or appointment basis at the AEC on the first floor of Butcher Library. A comprehensive tutoring schedule is posted in the AEC as well as on the Tutoring Services webpage of the College's website. The AEC also offers workshops entitled Student Success Seminars and handouts on such topics as time management, study skills, taking notes, and reading strategies. Students with questions about tutoring should contact Stephanie Lawhorne, Director of Academic Support, on the first floor of Butcher Library, by phone at 315-684-6067, or by email at [LawhorSL@morrisville.edu](mailto:LawhorSL@morrisville.edu). *Students should review the Morrisville State College Student Handbook for further details.*

### Students with Disabilities:

The office of the Coordinator of Services for Students with Disabilities is located in the Butcher Library on the 2nd floor. The Norwich Campus Office for Students with Disabilities is located on the 1st floor of Roger W. Follett Hall, room 133. All services for students with disabilities are coordinated through the Students with Disabilities office at Morrisville or at Norwich. Students with a documented disability who wish to utilize services and/or academic accommodations should contact the Coordinator for their respective campus before or at the start of each semester. David Symonds is the Coordinator and can be reached at 315-684-6349 or [symondda@morrisville.edu](mailto:symondda@morrisville.edu). Patricia Davis is the Coordinator for the Norwich Campus and can be reached at 607-334-5144 or [davispm@morrisville.edu](mailto:davispm@morrisville.edu). *Students should review the Morrisville State College Student Handbook for further details.*

### The Code of Academic Honesty:

Academic honesty promotes continued academic and occupational success. Maintenance of academic honesty and quality education is the responsibility of both faculty and students. *Students should review the Morrisville State College Student Handbook for further details.*

### The Student Code of Conduct:

Morrisville State College (MSC) is a community established for educational purposes, and like any community, depends upon rules for its orderly existence. Individuals are expected to assume responsibility for their academic progress, their conduct, and for the actions of groups to which they belong. *Students should review the Morrisville State College Student Handbook for further details.*

### *Academic Assistance:*

The Tutoring Center is a resource available to all students who would like assistance with their courses. Both peer and professional tutors are available Sundays through Fridays by appointment or on a drop-in basis. Help is provided for most subjects taught at the College. The Tutoring Center also provides online tutoring for about ten subjects through NightOWL, which occurs 7:00 PM to midnight Sundays through Thursdays. In addition to assisting students with course content, the tutors at the Tutoring Center can assist students with general study skills such as note-taking, test-taking, time management, and critical thinking. In addition, The Tutoring Center also organizes Student Success Seminars, workshops exploring these and other topics that are useful regardless of one's courses or major. The Tutoring Center is located in the back left corner on the first floor of Butcher Library. For additional information, please visit the Tutoring Center's webpages at <https://www.morrisville.edu/contact/offices/tutoring-center> and/or email Stephanie Lawhorne, Director of the Tutoring Center, at [LawhorSL@morrisville.edu](mailto:LawhorSL@morrisville.edu). This is free of charge; take advantage of it.

### *Counseling Support:*

Successful academic performance is a mutual goal between students and the SUNY Morrisville community. Many problems may arise during your time here that could interfere with your academic course work. Things such as significant stress, mood swings, anxiety, and difficulties concentrating. Problems with strained relationships, drugs/alcohol, family concerns, loss or crisis may also contribute to decreased academic performance. Counseling services are available to assist you in addressing these and other concerns you may be experiencing. Services are *free* and *confidential* for all enrolled students through the [Student Health Center](#). You can call 315-684-6078 to schedule an appointment or visit health center to find out more about counseling services.

### *Students with disabilities:*

Any student who feels they may need an accommodation based on the impact of a disability should contact the Accessibilities (AS) Office immediately to register for services. For Morrisville Campus Classes this office is located in the Academic Enrichment Center of the Butcher Library. You will meet privately to discuss your specific needs and prepare your accommodation sheets for you to distribute to your instructors. Although you may register for services at any time, please attempt to make arrangements within the first two weeks of the semester so all appropriate academic accommodations can be set. For additional information, contact AS: David A. Symonds, [symondda@morrisville.edu](mailto:symondda@morrisville.edu), 315-684-6349

### *English Language Learners:*

Students who identify as English Language Learners can request additional time on exams, separate locations, bilingual dictionaries and/or glossaries. Students should work with the faculty member and the Chief Diversity Officer, Mary Bonderoff, [bondermh@morrisville.edu](mailto:bondermh@morrisville.edu) to arrange extra time and separate location for exam.

### *Title IX Protections:*

Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681) is an all-encompassing federal law that prohibits discrimination on the basis of sex in education programs and activities receiving federal financial assistance. Although Title IX is often associated with equal opportunity in athletics programs, the law is much broader and includes discrimination on the basis of gender, sexual harassment and sexual assault. Questions or concerns regarding Title IX should be directed to SUNY Morrisville's chief Diversity Officer, Dr. Mary Bonderoff at [bondermh@morrisville.edu](mailto:bondermh@morrisville.edu) or 315-684-6981. Students should also familiarize themselves with the Student's Bill of Rights located in the student handbook (pg. 43), which outlines students' rights related to the reporting of incidents under Title IX. The official policy can be found online at the [Title IX page](#).

### *Bias Acts Response Team and Hate Crimes:*

The Bias Acts Response Team oversees the responses to individuals and/or communities who have been affected by bias acts, including hate crimes. Responses may include investigation and adjudication, as appropriate, by New York State University Police at SUNY Morrisville (NYSUP), the Dean of Students Office, and/or the Affirmative Action Office. Other kinds of responses (e.g., passive or active programming about bias acts, facilitated meetings among those who have perpetrated bias acts and those who have been targeted, etc.) are arranged on a case-by-case basis. Persons or communities who have been targeted will be contacted by a member of the team to discuss possible responses and options for investigation and adjudication. The online bias complaint system can be found at the bias incident report page. More information and options can be found at the [bias response page](#).

### *Military Leave of Absence Policy (Activations, Deployments, Mobilizations, Permanent Change of Station, Temporary Duty Assignment, Drill, and Unit Training Assemblies):*

#### Attendance:

SUNY Morrisville recognizes the unique situations student veterans sometimes face which can affect their attendance. If a student veteran receives orders for unexpected short-term deployment or training, or for medical appointments, he/she must immediately work with their instructors on the best course of action. The campus Veterans Advocate is available to help all parties. Failure of instructors to provide information on attendance/attendance problems is not the fault of the student. Attendance information should be clearly defined in a course syllabus.

A student seeking an excused absence should first present orders/documentation to his/her professor, to be shared with the respective Division, academic program or service area. The college acknowledges that some classes, such as biology and clinicals have unique content; it may not be possible for a student to receive an extension on the assignments in these courses.

We also recognize that there will be unique cases that will require the exercise of sound judgment. Instructors are encouraged to discuss these cases with their Division, academic program or service area Chair and the Veterans Advocate. Our collective goal is to assist student veterans in completing their course of study, Student veterans that are currently serving in the Guard/Reserve must attend all of their classes before the deployment or training begins.

The Veterans Administration (VA) requires that all veterans receiving veterans' benefits make satisfactory progress in pursuit of a degree objective. The Veterans Administration student unable to attend class is required to initiate a formal withdrawal in accordance with the College withdrawal policy, and to notify the School Certifying Officer of the last date of attendance.

Academics:

The Veterans Administration student is not permitted to repeat a course in which a passing grade has been received or for which credit has been granted. A letter grade of D is considered a passing grade by Veterans Administration regulations. There are limited exceptions to this rule.

The School Certifying Official Handbook instructs schools to promptly notify VA when a student is placed on academic probation. Students should be advised of any counseling services available to them at the school in order to resolve academic or other problems and to establish a meaningful plan for successful completion of their education or training. Schools and training establishments are asked to remind students of the [counseling services](#) and [tutorial assistance](#) benefits available through VA.

- The Veterans Administration student is responsible to notify the School Certifying Officer (SCO) of any changes in credit load status or educational goals.
- The Veterans Administration student is to pursue only those courses required for attainment of her/his particular educational goal.
- The Veterans Administration student is not permitted to receive the Veterans Administration payment for audited coursework.

The Veterans Administration student is responsible for knowing her/his eligibility for VA educational benefits and her/his financial responsibility to SUNY Morrisville for any tuition and charges not covered by her/his Veteran's benefits. If you are need of guidance in this process or need assistance in other areas as a student veteran please see our Chief Diversity Officer, Dr. Mary Bonderoff, [bondermh@morrisville.edu](mailto:bondermh@morrisville.edu), 315-684-6981

#### *Chosen Name Policy*

SUNY Morrisville is committed to acknowledging the diverse and inclusive ethos of our campus. This policy is intended to align with current SUNY guidance with the purpose of encouraging an environment for personal expression within community standards. SUNY Morrisville recognizes the needs of students and employees who wish to be identified by a first name that differs from their legal name.

The SUNY Morrisville chosen first name policy allows students and employees to officially notify the college of their preferred first names, and have this change reflected in on-campus communication systems, as long as the preferred first name is not used for purposes of misidentification, fraud or misrepresentation and that the preferred first name meets community standards (e.g. not profane, obscene, or derived from hate-speech; and conform to technical requirements). There are limits to where preferred first names will be reflected in college communications.

This policy is consistent with current Title IX guidance protecting students against discrimination based on gender identity and expression, and is a best practice for supporting transgender and gender non-conforming members of college communities. This service is not limited to use by transgender and gender non-conforming students and employees, however, and is available to anyone who uses a chosen first name on a daily basis other than their legal/primary first name. Contact Mary Bonderoff, Chief Diversity Officer and Title IX Coordinator for assistance [bondermh@morrisville.edu](mailto:bondermh@morrisville.edu) or 315-684-6981.

### *Grammarly*

Need assistance with your writing? Grammarly is available for all current SUNY Morrisville students to help detect potential grammar, spelling, punctuation, plagiarism and style mistakes. To sign up, use your SUNY Morrisville email address as an identifier.

- Go to [grammarly.com/edu/signup](https://grammarly.com/edu/signup).
- Provide your SUNY Morrisville email address (@morrisville.edu - no other email will be recognized).
- Create your password.
- Check for an activation email from Grammarly.
- Check your inbox for the email (your spam folder, too) and click on the activation link.

After you sign up, you can login to Grammarly or access it through a plug-in to Word or a web browser. For questions or for more information, please email Mary Bonderoff at [bondermh@morrisville.edu](mailto:bondermh@morrisville.edu).

### *Starfish Early Alert System:*

This course participates in the Starfish Early Alert System, an early intervention system designed to enable academic success, student persistence, and graduation. When an instructor observes student behaviors or concerns that may impede academic success, the instructor may raise an alert flag that 1) notifies the student of the concern, 2) requests an individual contact to discuss the issue, and 3) in most cases, also refers the student to the academic advisor. If you receive an email notification of an early alert, it is your responsibility to contact the instructor as soon as possible to discuss the issue. The purpose of the contact is to determine the severity of the issue, accurately assess its potential impact on your academic success, and to plan actions to prevent negative consequences and enable academic success. For more information about the Early Alert system, contact your academic advisor.

### *Obligations to Accommodate Pregnant Students*

Under the Department of Education's (DOE) regulations implementing Title IX of the Education Amendments of 1972, a college or university "shall not discriminate against any student, or exclude any student from its education program or activity, including any class or extracurricular activity, on the basis of such student's pregnancy, childbirth, false pregnancy, termination of pregnancy or recovery therefrom."