FORWARD

Your acceptance of a Teaching Assistantship in the Department of Chemistry entails a great deal of responsibility on your part. Your performance as an instructor and mentor needs to ensure a quality education and a safe working environment for the undergraduate students in your charge. In return, you will greatly benefit from all aspects of the teaching experience. You will be challenged to deepen your understanding of chemical principles as you present material and respond to questions. Your ability to communicate and explain complex subjects will improve as you develop as an instructor. The enthusiasm you bring to the class or laboratory will be rewarded when you see your students gain insight and become excited about the field of chemistry. There is a good chance that your current students will someday become engineers, doctors, dentists, pharmacists, or chemists. The impression you leave as their chemistry instructor can have a huge influence on their career choices so make it a positive impression.

Administrator of Undergraduate Laboratories
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TEACHING ASSISTANT ACADEMIC YEAR

New TAs:

New graduate students arrive three weeks early and begin Graduate Chemistry Orientation before regular classes start.

Academic Year:

The academic calendar runs from three working days before the start of classes through the last day of finals each semester. TAs are employed by the University of Iowa during this entire period; therefore, all absences must be approved except during the holiday periods noted below.

Required responsibilities when there are no classes:

Three days before the start of classes, for both the fall and spring semesters, there will be meetings, training and instructional preparation activities. Attendance during this time is mandatory and any absences will be unpaid unless previous arrangements are approved by the department.

Holidays from teaching duties:

<table>
<thead>
<tr>
<th>Holiday</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day</td>
<td>September 5</td>
</tr>
<tr>
<td>Thanksgiving Break</td>
<td>November 20-27</td>
</tr>
<tr>
<td>Winter Break</td>
<td>December 17-January 9</td>
</tr>
<tr>
<td>Martin Luther King, Jr. Day</td>
<td>January 16</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 12-19</td>
</tr>
</tbody>
</table>

IMPORTANT PHONE NUMBERS:

ADMINISTRATOR OF UNDERGRADUATE LABORATORIES [Lab Director]
Earlene E. Erbe                      W439 CB      5-1352

LAB PREP STAFF
Shonda Monette                       W344 CB      5-1344
Brian Morrison                       W444 CB      5-1917
Dominic Hull                         W313 CB      5-1170

PAYROLL/EMPLOYMENT:
Lindsay Elliott                      E331 CB      5-0200

CHEMISTRY CENTER:
Ellie Keuter                         E225 CB      5-1341

ADMINISTRATIVE OFFICES:
Jim Gloer, Chair                     E331 CB      5-0200
Brenna Goode, HR                     E331 CB      5-1351
ABSENCES

An initial notice of the dates, times, and locations of TA teaching and proctoring assignments will be given out at the beginning of the semester. Proctoring schedule for finals will be sent out near midterm. It is the responsibility of the TA to record these dates and fulfill the assignment. Do not schedule any appointments that conflict with assigned teaching and proctoring assignments. Teaching Assistants are professionals and, as such, are expected to fulfill all assigned responsibilities. Unexcused absences will result in corrective action and written notification in the TA personnel file.

Report any absence, conflict, or anticipated tardiness to the Chemistry Center 335-1341 or to the Lab Director at 335-1352, no later than 8:05 am on that day. The TA must make arrangements for a substitute in these situations. The Chemistry Center is not responsible for finding a substitute. The instructor in charge of the course should also be notified.

In the event of an illness, every TA has paid sick leave and, thus, is released from teaching duties for that day and will not be required to make up the missed time on an hour for hour basis. While relieved of specific activities for that day, the TA continues to have the responsibilities that are part of their overall teaching assignment. For example, if a TA misses a class, they may still need to make sure that the course material was adequately covered in their absence. The TA will not be asked to make up class time due to illness or unavoidable absence but will still be expected to do their part to insure that course goals are being met and that student learning is not negatively impacted as a result. Teaching Assistants are an integral component of instruction in the undergraduate curriculum and so planned absences should only be scheduled during normal holiday or break times. When an absence is anticipated from any assigned duty, such as discussion, office hours, proctoring, grading, etc., follow the procedure outlined below.

ABSENCE PROTOCOL

Illness/Tardiness:

An absence due to illness is considered sick leave. A TA is expected to minimize the impact of their absence on the learning experience of students(s) by making sure that delivery of course material and completion of curricular tasks proceeds with minimal disruption.

When absences or tardiness are unavoidable it is the responsibility of the graduate teaching assistant to do the following:

- Notify the Chemistry Center and the course instructor.
- Arrange for a suitable replacement.
- Notify the Lab Director via email and provide specific information on missed assignments (dates, times, locations) and instructor replacements.

If a replacement cannot be arranged, the TA should inform the Lab Director immediately. A doctor’s release to return to work will be required if the TA is absent for five or more working days, or is admitted to a hospital.

Professional Travel/Vacation:

All graduate assistants with at least an academic year appointment shall be allowed five days of planned (vacation) absence per semester without pay deduction. A planned absence must be pre-
approved and is granted at the discretion of the department. The absence must not interrupt the operation of the Department of Chemistry. Instruction must be available for all scheduled sections even when the instructor cannot be there. Teaching assistants occasionally travel to professional meetings or have personal or academic reasons for missing scheduled sections. These are considered planned absences. In these cases, the following protocol will be followed:

- Discuss planned absence with class instructor. Obtain verbal approval.
- Make arrangements for substitutes. Substitutes must be currently employed by the Department of Chemistry. First choice is a TA already teaching that particular course. Second choice is a current TA teaching another course but familiar with the relevant material. Last resort is an RA who has previous experience teaching the course.
- Submit request to Lab Director five business days prior to leaving campus. Request will include course sections and proposed substitutes. Request will be sent via email with a copy going to the course instructor and the Chemistry Center (Ellie Keuter).
- The email request will be returned with approval indicated by the Lab Director if there are no problems with the absence and the substitutes.
- Teaching Assistants must be present to teach if they have not received an approved request for absence.
- Teaching Assistants may not trade teaching assignments to accommodate any absence without the explicit consent of the Lab Director.
Graduate Teaching Assistant Job Description

Summary

Assist in the instruction of undergraduate students in Department of Chemistry courses under the supervision of faculty and professional staff. Graduate teaching assistants must be enrolled in a graduate program at the University of Iowa.

Required Abilities

- Oral Expression/Speech Clarity — The ability to orally communicate information and ideas in a clear and understandable manner.
- Oral Comprehension — The ability to listen and comprehend information and ideas presented orally.
- Written Expression — The ability to communicate information and ideas in writing in a clear and understandable manner.
- Written Comprehension — The ability to read and comprehend information and ideas presented in a written form.

Work Related Skills

- Instructing — Teaching others how to do something new.
- Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to various problems.
- Speaking — Talking to others to convey information effectively.
- Reading Comprehension — Understanding written sentences and paragraphs in work related documents.
- Learning Strategies — Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
- Active Learning — Understanding the implications of new information for both current and future problem-solving and decision-making.
- Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting when inappropriate.
- Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
- Writing — Communicating effectively in writing as appropriate for the needs of the audience.
- Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Work Related Activities

- Training and Teaching— Identifying the educational needs of others, developing formal educational or training materials or classes, and teaching or instructing others.
- Communicating with Supervisors, Peers, or Subordinates — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, via email, or in person.
- Gathering Information — Observing, receiving, and otherwise obtaining information from all relevant sources.
- Establishing and Maintaining Interpersonal Relationships — Developing constructive and cooperative working relationships with others, and maintaining them over time.
- Judging the Qualities of Things, Services, or People — Assessing the value, importance, or quality of things or people.
- Processing Information — Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.
Tasks

- Evaluate and grade examinations, assignments, and papers, and keep detailed records of grades.
- Lead discussion sections, tutorials, and laboratory sections.
- Teach undergraduate level courses.
- Develop teaching materials such as syllabi, visual aids, answer keys, supplementary notes, practice questions and exams, and maintain and update course websites in ICON.
- Attend lectures given by the instructor in their assigned course.
- Complete laboratory projects and/or homework assignments prior to teaching/explaining them to students so that any needed modifications can be implemented, questions answered, and a knowledgeable presentation made.
- Distribute class materials as appropriate (e.g. via ICON or hardcopy).
- Demonstrate use of laboratory equipment, and enforce laboratory safety rules.
- Inform students of the procedures for completing and submitting class work such as lab reports and homework assignments.
- Meet with supervisors to discuss course objectives, student grades, complete required grading-related paperwork, prepare for teaching assignments, and provide feedback to the instructors on student concerns and other aspects of course delivery.

General Time Allocation [20 hours of work per week averaged over the entire semester]

<table>
<thead>
<tr>
<th>Laboratory Leader</th>
<th>Discussion Leader</th>
<th>Grader</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preparation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attend instructor lecture; 1 hrs/wk</td>
<td>Attend instructor lecture; 3 hrs/wk</td>
<td>Attend instructor lecture; 0-3 hrs/wk</td>
</tr>
<tr>
<td><strong>Meeting with Instructor</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meet with instructor; 1 hr/wk</td>
<td>Meet with instructor; 1 hr/wk</td>
<td>Meet with instructor; 0-1 hr/wk</td>
</tr>
<tr>
<td><strong>Individual Preparation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Review procedures &amp; conduct each experiment; 2-3 hrs/wk</td>
<td>Review content and assigned problems; 2-6 hrs/wk</td>
<td>Review content and assignments; 0-2 hrs/wk</td>
</tr>
<tr>
<td><strong>Preliminary Assessment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prepare quiz or questions for quiz; 1 hr/wk</td>
<td>Prepare quiz or questions for quiz; 1 hr/wk</td>
<td>Create answer keys; 2-4 hrs/wk</td>
</tr>
<tr>
<td><strong>Student Contact</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 section-meetings / week; 6 hrs/wk</td>
<td>4-6 section-meetings / week; 4-6 hrs/wk</td>
<td>---</td>
</tr>
<tr>
<td><strong>In-class duties</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintain safe environment</td>
<td>Facilitate understanding of chemistry concepts, work problems, presentation of material</td>
<td>As requested by instructor, e.g. consolidate class notes</td>
</tr>
<tr>
<td>Maintain order &amp; schedule</td>
<td>One-on-one help</td>
<td></td>
</tr>
<tr>
<td><strong>Post Assessment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade lab quizzes or reports; 1-5 hrs/wk</td>
<td>Grade student homework; 3-4 hrs/wk</td>
<td>Grade lab reports, quizzes, homework, and/or exams; 10-12 hrs/wk</td>
</tr>
<tr>
<td><strong>Instructional Support</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As Assigned; 0.5 hr/wk</td>
<td>As Assigned; 0.5 hr/wk</td>
<td>As Assigned; 0.5 hr/wk</td>
</tr>
<tr>
<td><strong>Office Hours</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 hrs/wk in Resource Center (E208 CB)</td>
<td>2 hrs/wk in Resource Center (E208 CB)</td>
<td>0-2 hrs/wk in Resource Center (E208 CB)</td>
</tr>
<tr>
<td><strong>Proctoring / grading</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proctor and Grade lecture course exams; 1 hr/wk</td>
<td>Proctor and Grade lecture course exams; 1-2 hr/wk</td>
<td>Proctor and Grade lecture course exams; 2 hr/wk</td>
</tr>
</tbody>
</table>
RESPONSIBILITIES OF THE TEACHING ASSISTANT

Each TA will have a primary teaching assignment and a few associated, secondary responsibilities. The secondary responsibilities are as important as the primary duties for the smooth operation of the teaching mission and should be taken equally seriously. The secondary responsibilities may not be directly associated with the assigned course and may be supervised by other staff and instructors. The specific tasks for the primary teaching assignment and the approximate time allocation that will be necessary will be provided at the beginning of each semester. Note that the expected 20 hours of work per week represents an average over the course of the semester; the actual time necessary to complete assigned tasks can vary greatly from week to week.

PRIMARY ASSIGNMENTS

Leading Discussion Sections, Laboratory Sections, or Grading in a course under the direction of an instructor constitutes the primary assignment. Holding office hours for students in the assigned course is part of the primary assignment. Consult the Chemistry Center when choosing times for office hours. All TAs are expected to attend weekly TA meetings. Laboratories TAs are expected to perform the laboratory experiments in advance of students doing the experiment.

SECONDARY ASSIGNMENTS

Proctoring: Nearly all TAs are expected to proctor exams that may not be in the course they are assigned. Such assistance is required as exams in some large enrollment courses necessitate more proctors than the number of TAs assigned to that course. The Chemistry Center staff will arrange the proctoring assignments.

Grading: Many TAs are given grading assignments in courses other than that of their primary assignment. For example, organic laboratory TAs are asked to grade organic lecture examinations. Chemistry Center staff will make the requisite assignments and instructors in the lecture courses will supervise the grading sessions.

Other Duties: All TAs are expected to participate in instructional support activities each semester. These assignments will be coordinated by the Lab Director or course instructor and may or may not, be directly associated with the primary assignment. Potential assignments include course development, additional proctoring/grading, additional office hours, supplemental review sessions, or residence hall tutoring.

Each of the above responsibilities is described in greater detail in the following sections of the handbook.
BASIC RULES AND GUIDELINES

LECTURE CLASSES - DISCUSSION

Attendance at lecture sections is mandatory for the TA. The TA must be aware of the material presented in lecture and the conventions used in order to competently discuss and present the relevant topics during the discussion section. If there is an absence, the TA should contact the instructor to receive relevant and vital information to be presented in discussion.

Undergraduate students in the large lecture courses are scheduled to attend three lectures, given by the course instructors, and one discussion section per week. Teaching Assistants are responsible for supervising the discussion sections. Each TA will be assigned between 1 and 7 discussion sections, depending upon additional TA responsibilities in the course. A discussion section typically consists of approximately 24-36 students.

Attendance at discussion sections is mandatory for the TA. Cancellations and adjustments to the schedule are not allowed. The TA must be present during the entire scheduled discussion period (50 minutes).

Discussion TAs are required to hold regularly scheduled office hours (2 hours per week). Consult the separate section in this handbook on the procedures for office hours. The instructors will also usually hold required weekly TA meetings to discuss course material for the coming week, go over teaching strategies, address any problems that may have occurred, and request feedback about student concerns. If there is an illness or an excused absence (e.g., presenting a paper at a scientific meeting), the TA should follow the Teaching Assistant Absence Protocol detailed elsewhere in the handbook.

Attendance at discussion sections may be required or optional for the students enrolled in the course. However, TAs are required to convene and supervise every meeting of every section to which they are assigned. The TA should plan on holding discussion sections throughout the entire semester, including just before or after breaks and holidays. Course instructors set the attendance standards (and any assignment of credit or points) for students enrolled in the course. TAs do not have the authority to cancel a discussion section for any reason.

Policy for students wishing to change discussion sections is determined by the course instructors, with the assistance of the Chemistry Center. TAs should not give permission for a student to attend a different discussion from the one in which they are enrolled. Note that some courses assign credit for participation or attendance in discussion sections and classrooms typically have a limited number of seats.

TAs should never sign a drop/add slip for a student. The TA should direct students to the course instructors or to the Chemistry Center (E225 CB) to obtain the required signatures.

Student evaluation forms (ACE Online) are required for all TAs with student contact. For discussion TAs the forms should be administered in class and should be scheduled for the last meeting at which reasonable attendance is expected. Consult the separate section in this handbook on Student Evaluations.
LABORATORY CLASSES

Undergraduate students in the advanced laboratory courses are scheduled to attend two laboratory sections and the associated lectures, each week. The Principles of Chemistry courses have a 90 minute case study and a separate laboratory section alternating every other week. Teaching Assistants are responsible for supervising the laboratory sections and attending the associated lectures. Each meeting of a laboratory section is scheduled for three hours. Each TA will be assigned between 1 and 4 laboratory sections, depending upon additional TA responsibilities in the course. A laboratory section typically consists of approximately 16-24 students.

Promptness and preparedness are vital to instruction and administration in a lab course. The comprehension of lab procedures, experimental goals and outcomes, and safety issues is key to student success in these courses. Therefore, the TA has a great responsibility to explain and clarify these points. First and foremost, the TA must make sure that all of the necessary safety protocols are strictly followed by students while in the lab. The TA must be fully informed and prepared for all potential safety issues related to the laboratory procedures. The TA must make sure that all lab doors remain unlocked. The TA must be present in the laboratory at all times and safety practices must be enforced regardless of the situation (e.g. season, time of day, attendance, etc.). **TAs SHOULD NOT LEAVE THE LABORATORY FOR ANY REASON WHILE STUDENTS ARE PRESENT.**

Laboratory TAs are required to hold regularly scheduled office hours (2 hours per week). Consult the separate section in this handbook on the procedures for office hours. The instructors will also usually hold required weekly TA meetings to discuss upcoming experiments, go over teaching strategies, address any problems that may have occurred, and request feedback about student concerns. In addition all laboratory TAs must perform the experiments at weekly or bi-weekly prep meetings. TAs will do a safety evaluation for each experiment to assure preparedness for any potential issues that might arise. Attendance at these meetings is mandatory. If there is an illness or an excused absence (e.g., presenting a paper at a scientific meeting), the TA should follow the Teaching Assistant Absence Protocol detailed elsewhere in the handbook.

There may be days during the semester when lab classes do not meet. TAs are not required to attend scheduled lab sections during these periods. TAs are expected to assist in closing down the laboratories at the end of the semester.

**Laboratory Injuries:** Any injury to a student, no matter how minor, should be immediately reported. Failure to report and document incidents will result in disciplinary action against the TA. For life-threatening injuries, call 9-911 to request assistance and notify the Prep Room. For non-life-threatening injuries, notify the Prep Room. The TA SHOULD NOT attempt to treat any injury due to the liabilities involved. The use of running water to help alleviate pain or swelling is allowed and recommended in certain instances. Bandages can be offered from the area First Aid kit. It is the responsibility of the TA to make sure that the Prep Room or Lab Director has received an Incident Report before leaving for the day (blank Incident Reports are available in each laboratory or on line). Failure to submit an Incident Report will result in disciplinary action against the TA. The primary responsibility of the TA is to maintain order and safety in the laboratory. The Prep Room staff will give any needed assistance to the injured student.

TAs should never sign a drop/add slip for a student. A TA should direct students to the course instructors or to the Chemistry Center (E225 CB) to obtain the required signatures. The TA may arrange a time with
a student to check out of the laboratory but the student **MUST** go to the Chemistry Center (E225 CB) for drop signatures after checking out.

Student evaluation forms (ACE Online) are required for all TAs with student contact. For laboratory TAs, the forms will normally be administered during the checkout period. Consult the separate section in this handbook on Student Evaluations.

**GRADING**

Primary Grader assignments are TA assignments made by the Lab Director. The lecture instructors will formulate the specific instructions on the grading protocol and guidelines to be used. Grading TAs (primary assignment) are expected to attend the three weekly lectures for lecture courses or the weekly/bi-weekly lectures for lab courses. In addition, grading TAs will be required to hold two office hours each week if they hold a 50% appointment.

Some of the laboratory and lecture/discussion courses require additional grading assistance for homework assignments or exams. These are considered secondary grading assignments and will be made through either the Chemistry Center staff or the Lab Director, and are part of instructional support. Every effort will be made to ensure that work is distributed fairly among TAs. Specific dates and deadlines for grading assignments will be given at the beginning of the semester. It is responsibility of the TA to make note of these dates and remember them.

**CLASSROOM DEMONSTRATIONS**

There are circumstances where a demonstration is a great way to illustrate a chemical principle. It can also be a good way to enliven the classroom environment, prompt discussion, or provide a diversion when the instructor has not yet moved on to new material.

Demonstrations are allowed as long as they are appropriate and are conducted safely. All demonstrations must be approved by either a Lab Manager or the Lab Director. They must also be rehearsed in advance to prevent any unexpected results. Such demonstrations should also be discussed with the course instructors.

**OFFICE HOURS**

TAs are required to hold regularly scheduled office hours (2 hours per week). These office hours must be held in the Platinum Hub in E208 CB. If this room is full, the Tutor Room, E233 CB, may also be utilized. The TA is required to be present for every office hour for the entire scheduled time, even if no students are in attendance. Students from any section of any course may ask for help from any available TA. Every TA should be prepared to answer questions on basic chemistry. TAs may bring their own coursework or research data to work on in the event that no students are present. Please sit at the provided tables and greet and offer to help students as they enter the room. Be patient and kind especially when students are struggling to formulate a question or answer. Do not provide detailed homework solutions but, rather, provide related examples to encourage students to find the answer on their own.

To schedule office hours, TAs should check their own schedule, consult with the course instructors to see if there are any preferred days and times, and then sign up for specific time slots in the Chemistry Center. The Chemistry Center will coordinate the office hours for all TAs so that there will be complete coverage in E208 CB for the entire week. Those TAs who are required to take the English Speaking Proficiency Assessment exam must receive a “D” or better before they can hold office hours.
Office hours will be held during the first week of classes, regardless of whether discussion or lab sections meet during that week, or whether the first lecture has taken place. No office hours will be held during final exam week. Each day, the first TA scheduled in the Platinum Hub will unlock the door and the last scheduled TA will lock the door.

TAs should not hold office hours in a research laboratory or other research space. The reasons for this policy are:

A) Undergraduate students could be exposed to hazards associated with research labs.

B) The University could be subject to liability if a student was to be injured.

C) Other graduate students in the research space might be distracted by the presence of students and research activities could be disrupted.

D) The Department wants to keep the Platinum Hub (E208 CB) fully staffed so students from any section or course can get help with their questions.

E) Students may not be easily able to locate a TA in research space.

STUDENT EVALUATIONS (ACE Online)

The University requires that each course instructor and TA be evaluated by the students enrolled in their assigned class at the end of each semester. The University utilizes the ACE Online system, an online format for collecting course evaluations. Each TA is required to notify students of the opportunity to evaluate the course using the ACE Online system and to provide time in class to access the forms.

Confidentiality

It is important that the students realize that their evaluation and comments are confidential and that the results will not be made available to the TA (and instructors) until after final grades have been submitted. The students’ perception of confidentiality can be made more concrete by the TA excusing themselves while students access the online system. Typically, this can be accomplished by the TA briefly explaining the ACE Online system at the beginning of the scheduled day and then leaving the room for an announced period of time (10 minutes is generally sufficient). Laboratory TAs need to arrange for someone else to be present during this period as students cannot be alone in the lab.

TAs should schedule a time to administer the ACE Online forms in class and announce the day in advance. The ACE Online forms are typically made available to students on the Monday of the second to last week of the semester and will remain available until the Sunday of finals week. Students receive an email notification when the evaluation period opens. Different release schedules may apply in laboratory sections that end earlier in the semester or for other special situations. Consult with the course instructor or the Lab Director to confirm the dates. TAs should encourage students to complete these evaluations because they help to improve chemistry instruction in the Department and provide valuable feedback. TAs should also emphasize that the ACE Online system can be accessed at any time during the evaluation period and from any device (e.g. laptop, tablet, or smartphone).
Best Practices

1. Announce, in advance, a day to administer the ACE Online forms in class.
   a. Schedule a day when the ACE Online evaluations are available and reasonable attendance in class is expected.
   b. Ask the students to bring an appropriate device to class (e.g. laptop, tablet, smartphone (iOS or Android))
2. Provide a brief summary of the ACE Online process, either in words or via an overhead.
3. Remind students, and then remind them again, that ACE Online evaluations are completely anonymous. While the ACE Online system requires students to login with their hawkID, their responses will be anonymous and not linked to their ID.
4. Let students know the results will not be available until after final grades have been submitted.
5. Reiterate the importance of honest feedback in the evaluation. Both positive and negative feedback are important.
6. Provide some directions on how to access the ACE Online system through ICON.
7. Thank the students for taking the time to share their feedback.
8. Allow time for students to fill out the evaluations.
   a. Leave the room for an announced time period.
   b. Ten minutes should be sufficient.
9. If possible, add a section to the syllabus explaining how important the ACE Online evaluation is for providing feedback on instruction and the classroom environment.
PROCTORING EXAMINATIONS

All TAs are responsible for exam proctoring and other, related duties, such as exam scrambling. Such assignments will be made by Chemistry Center staff and will emphasize an equitable distribution of these duties amongst all of the TAs. An initial notice of dates, times, and locations of assignments will be provided at the beginning of the semester and, again, just before finals. It is the responsibility of the TA to make note of these dates and remember them. **DO NOT MISS A PROCTORING ASSIGNMENT.** The deleterious consequences of missing a proctoring assignment can be great for students, instructors, and fellow TAs, especially in the large enrollment courses. If there is an illness or an excused absence (e.g., presenting a paper at a scientific meeting), the TA should follow the Teaching Assistant Absence Protocol detailed elsewhere in the handbook.

The logistics of administering an exam in a large class are sufficiently complicated that the absence of even one or two proctors can jeopardize the controlled environment required. During the semester, unforeseen circumstance will arise that require additional attention. Any TA may be called upon with short notice to assist with the following tasks:

- Scrambling exam copies (prior to the exam)
- Proctoring regular exams
- Various grading assignments
- Proctoring alternate/make-up exams

These ancillary support activities are considered secondary TA assignments and will be distributed equitably amongst that semester’s TAs.

“Scrambling” exams entails taking different copies of the same exam (labeled as “form A”, “form B”, etc. where the question order is different for each form) and interleaving them in stacks. The interleaved stacks can then be distributed to students in the examination room such that students seated adjacent will have different forms. Typically, this task is done the day of the exam.

Proctoring is a tedious but important task that requires full attention of the proctor for a period of up to two hours. No other activities on the part of the proctor, such as eating, reading, or any distractive behavior are allowed during the examination period. All proctors should be in the exam room at least 10 minutes prior to the start of the examination.

The role of the proctor serves three main purposes:

1) To assist in the administration of the exam (e.g. distribution, collection, transport, etc.).
2) To deter/stop cheating.
3) To answer general questions about the exam from students (if permitted by the course instructors).

In order to fulfill these functions, a proctor must be constantly alert and visible in the classroom without being intrusive. A diligent proctor should be mobile, moving constantly around the examination room. A proctor should not remain in one location for long periods of time as this can make nearby students uncomfortable while providing an opportunity for student misconduct in unobserved parts of the room.

It is often the case in the large enrollment courses that examinations are given in multiple classrooms at the same time. For these situations, each exam room has an assigned “head proctor”, designated by an asterisk (*) on the proctor list. The head proctor is responsible for picking up the exams, delivering them to the exam room, and then returning with the completed exams. The course instructor will designate where to pick up and return exams. The head proctor may be called upon to direct distribution of the
exam and supervise collection. Specific instructions specified by the course instructors regarding cheating, calculator usage, etc., may be announced by the head proctor. Other head proctor duties might include making time announcements, monitoring student questions, and informing the course instructors if a problem with the exam has been identified. The head proctor must deliver the exams at least 10 minutes prior to the scheduled exam start time.

**Make-up Examinations**

Proctors that are assigned to make-up examinations have the same requirements and functions as a proctor of a regular exam. However, the procedure can be different and may vary depending on the instructors of the specific course.

During the fall and spring semester, chemistry students are instructed to fill out an online make-up exam request form if they have a planned absence or are ill and miss an examination. The request is submitted to the Chemistry Center and reviewed by course instructors to determine if the student is eligible to take a make-up exam. Make-up exams for the large enrollment courses are held on a Friday from 6:30-8:00, unless scheduled individually with the course instructor. Locations for the make-up exams will be listed on the proctoring schedule.

All proctors assigned to the make-up exam are required to meet in the Chemistry Center at 2:00 pm the day of the exam to pick up the exam “box” and receive any specific instructions. A copy of these instructions will be included with the make-up exams. Proctors will administer the make-up exam in the same manner as for a regular exam. However, when a student is finished, the proctor will collect all of the student’s exam materials (cover sheet, make-up exam, etc.) and place them into a campus mail envelope. The envelope will then be placed in the instructors’ departmental mail box or other secure location, as instructed. In some instances, a course instructor may be present at the make-up exam and directly collect the completed exams. The make-up exam box should be returned Monday of the following week.

**Student Check:**

When students hand in completed exams, proctors should confirm that the student has signed the exam, indicated the correct form letter (if applicable), and filled out their University ID (UID) number. Proctors should then verify this information against the student provided ID card while also making sure the photo on the ID card matches the student. If a student fails to provide a University ID card, they should put their name and UID on a provided sheet for later verification. Alternatively, a course instructor may be able to access MAUI and confirm the students’ identity.

Calculators and other devices:
Course instructors may wish to enforce rules regarding the use and type of calculator for examination. The proctor will need to be aware of the specific policy prior to the examination period and enforce any rules during the exam.

If permitted, students may check out a Departmental calculator in the event they do not have an appropriate calculator or their current calculator malfunctions. Students should be directed to provide a University ID card and sign their name on a provided checkout sheet. The ID can be returned when the student brings back the calculator at the end of the examination.
In general, other electronic devices should not be used, visible, or otherwise accessible during examinations. This includes cell phones, tablets, advanced calculators, and smart watches. It is the responsibility of the proctors to be vigilant for the improper use of such devices and to remind students to store them for the duration of the exam.

**Exam Interruptions:**

In the event of an alarm due to fire, weather, or other situation that requires the room to be evacuated, safety, along with an orderly and prompt evacuation, are the most important considerations. Procedures regarding exam administration and security will vary and depend greatly on the circumstances. Consult with an instructor, if possible. In general, if appropriate to the situation, proctors can instruct students to leave their exam materials as they exit and announce that the examination is still in progress and to refrain from discussion of exam contents. If there is sufficient opportunity when the alarm situation has been cleared, proctors can shepherd the students back to the exam room to resume the exam. Please ask the students to refrain from working on the exam until everyone has been seated and order restored so that all students have the same amount of time to complete the exam. Reassure the students that no one will be unfairly penalized as a result of the alarm. Consult with course instructors as to any special accommodations that might be instituted, such as extended examination time, makeup examinations, or adjustments in the exam scores.

**PROCTORING GUIDELINES**

The main priority is to proctor the exam. Please do not bring any reading material, homework etc. or constantly consult your smartphone while proctoring. Follow these guidelines to successfully proctor:

- Minimize conversation unless it is necessary and pertains to the exam (note that chatting can distract students).
- Be active and move around the room.
- Be vigilant for students whose eyes wander.
- Ask students to keep their answer sheets covered.
- Request that students with caps turn them backwards (hat brims can hide a students’ eyes).
- Do not start the exam before the scheduled time.
- Students with graphing or programmable calculators must store them and check out a Departmental calculator (as available). Don’t hesitate to ask for a calculator or watch in order to examine it. Any electronic device which could be used to access information or communicate with other students should not be accessible to the student during the exam.
- When the exam period is over, announce that students should stop working and put down their pencils.
- ****Verify all ID cards for the UID number, signature, and photograph.
- ***Be sure the exam answer sheet has the test form letter marked and that it matches the specific exam (these are generally color coded for ease of identification).

Make any relevant announcements about exam procedures (e.g. calculator policy, cap orientation, covering answer sheets, etc.) either verbally or with an overhead prior to the start of the examination.

If student misconduct is strongly suggested, move one or more of the involved students to a new seat in the front of the classroom and alert the course instructors. There is no need to make any accusations at this stage. Try to reserve a few seats in the front of the examination room for this purpose.
Enforce the exam time limit firmly, but gently. When the exam period is over, ask all students to stop working on the exam and form a line to turn in their materials. Request that they have their UID cards in hand and to refrain from talking while waiting. Do not leave students to continue working at their seats. One or more proctors should circulate to enforce the exam time limit and make sure students are not continuing to work or otherwise committing misconduct, while the remaining proctors collect exams and verify IDs.
SERVICES FOR TAS FROM CHEMISTRY CENTER:

Undergraduate Chemistry Center,  E225 CB  
Phone: 335-1341  
Office Hours: M-Th 8-12 &1-5, F 8-12 & 12:30-4:30

The Undergraduate Chemistry Center serves instructors and undergraduate students enrolled in chemistry courses. Here is some helpful information about “setting up shop” as a TA. There are also a few items that should be taken care of as soon as possible to ensure that classes run smoothly.

Course Administration:

Please refer students with questions regarding registration matters to Ellie Keuter in the Chemistry Center. The Chemistry Center is authorized to sign drop, add, and section change forms on behalf of instructors for students in many, but not all, courses. Consult with the Chemistry Center or the course instructor on the specific policy. Please do not provide tacit approval or sign any drop, add, or section change forms for students.

Graduate students should obtain the signatures of their research advisor and instructor directly in order to add or drop any course.

Course Textbooks:

TAs should go to the Chemistry Center to borrow textbooks for the course they are assigned to teach. All textbooks must be returned at the conclusion of the semester. Please utilize the University of Iowa libraries to check out books for graduate course work or for research use. Chemistry course reserve materials are housed in the Sciences Library (behind Phillips Hall). All other chemistry periodicals and monographs can be found in the Hardin Library. For questions about science information resources please contact leo-clougherty@uiowa.edu or sara-scheib@uiowa.edu.

Prox Cards:

Prox cards are issued to students, staff and faculty to gain access to the building and select rooms within the building. Any problems with prox cards should be brought to the attention of the Chemistry Center manager. Do not prop open locked doors to facilitate student access; authorized users of card swiped facilities should have their own key or prox card. Notify the Lab Director, Earlene Erbe (W439), about lost prox or UID cards.

Mechanical keys are obtained from the Chemistry Department front office, E331. All Departmental mechanical keys and prox cards are non-transferable and should not be loaned. Any duplication of a Departmental mechanical key is strictly prohibited.

Photocopying

Teaching: The photocopying of course materials should be done using the copy code assigned to the specific course. The Chemistry Department closely monitors each copy code and charges the appropriate departmental accounts. Copying can be accomplished in the Chemistry Center or the departmental mail room. A computer in the mail room can also print directly to the copier. Please minimize the use of hardcopy handouts. It is understandable that there are some situations, such as
quizzes, where students might benefit from having access to a hardcopy. Please take advantage of the whiteboards, overhead projectors, and classroom laptops, and provide handouts to students in an electronic format (via email or posted on ICON) whenever possible.

Research: The photocopying of materials related to research should be done using a copy code assigned to the thesis advisor. To obtain the required copy code, consult with the thesis advisor.

The photocopying of materials for personal use should be done at a UI Copy Center. The use of Chemistry Department copy machines for personal use is not allowed. The closest copy center to the Chemistry Building is in the Pappajohn Business Building: C102 Pappajohn Business Building, 335-0861, fax 353-2733, dcpbb-printing@uiowa.edu. In addition, TAs should not direct students to the Chemistry Center to photocopy homework, labs, notes, etc.

Classrooms Reservations:

Any request to reserve a general assignment classroom for instructional use should be done through the Chemistry Center. Send the requisite information (course number, event type, time, date, number of seats needed, A/V equipment requirements) to the Chemistry Center (Ellie Keuter). The request will be forwarded to Classroom Scheduling which will check for room availability. The Chemistry Center will send the reservation confirmation directly to the TA.

Please note that Classroom Scheduling requires a 24-hour advance notice for any room reservation. If the request is urgent and is less than 24 hours in advance, contact Classroom Scheduling directly to determine availability. The reservation confirmation notice should be read carefully. For weekend and after-hour reservations, Classroom Scheduling will indicate which building doors to use to gain access and will also list contact phone numbers in the event a building or classroom is locked. Classroom Scheduling: 335-1243 or registrar-room-res@uiowa.edu.

There are Chemistry Building rooms that can be reserved for instructional purposes by contacting the Chemistry Center. To reserve a Chemistry Building room for any other purpose, please contact the Chemistry Department Main Office.

Problems with A/V equipment in general assignment classrooms:
The Classroom Technology Support Hot Line at 335-1976, which is posted in each classroom, should be used to report problems and to receive immediate assistance. There are staff available and they can solve many problems over the phone. Instruction on the use of specific classroom technology can be arranged by contacting Classroom Scheduling, at 335-1243 or registrar-room-res@uiowa.edu. Online tutorials on classroom equipment, including SMART boards, are available on the Classroom Scheduling website: http://classrooms.uiowa.edu/default.htm.

Whiteboard:
Classroom Scheduling provides courtesy whiteboard markers (dry erase markers) on the first day of classes. Once the semester begins and the courtesy markers are depleted, it becomes the responsibility of each instructor to bring dry erase markers to class. Dry erase markers can be obtained from the Chemistry Center. The markers should be collected after each class so they can be used again. As a professional courtesy to the next instructor using the classroom, please erase the whiteboard when class is over. Dry erase markers should be available in each whiteboard equipped classroom.
Chemistry Tutoring:

Undergraduate students seeking tutoring information should visit the Tutor Iowa website, http://tutor.uiowa.edu. The website lists all of the tutoring resources available for chemistry students including: the TA Resource Center, personal tutors, Supplemental Instruction, AXE tutoring, and the Housing Tutoring Program. The Chemistry Center does not keep a list of personal tutors but can assist students in finding tutoring resources on campus.

Interested in Becoming a Tutor with Tutor Iowa?
Tutor Iowa lists upper-level undergraduates or graduate students who are qualified tutors in various academic areas. Those interested in becoming a tutor through Tutor Iowa should fill out an application, accessible from http://tutor.uiowa.edu/tutor-application. Prospective tutors must meet specific criteria and be a registered student or a staff member. Applicants will need to submit a transcript or grade report documenting all relevant college level course work. International graduate students are not eligible to tutor because of visa restrictions.
PERSONAL CONDUCT

SEXUAL HARASSMENT

Operations Manual, Part II, Division I, 4.1a (4) The University will not tolerate behavior of a sexual nature by members of the University community that creates an intimidating or hostile environment for employment, education, on-campus living, or participation in a University activity. Furthermore, all members of the University community are expected to take appropriate steps to support this policy and to address incidents of sexual harassment that occur within their areas.

The Department of Chemistry strongly supports the University’s policy of zero-tolerance in regards to sexual harassment. The College of Liberal Arts and Sciences requires that all teaching assistants complete a workshop on sexual harassment prevention prior to teaching. The instruction is required every three years. In addition, all graduate students are required to take a course on sexual assault prevention.

If a TA witnesses any form of sexual harassment or is informed of an incident by a student, they should notify the course instructor immediately. If a TA feels they are a possible victim of harassment or is uncomfortable in any situation they should speak with a course supervisor, staff member, or any other Departmental representative. The University and the Department will provide support and work to resolve the situation.

If a TA witnesses or experiences any form of unprofessional behavior (e.g. harassment, discrimination, inappropriate emails or comments, violations of FERPA, etc.) from students, colleagues, or others in the workplace, there are a number of Departmental and University resources available.

Chemistry Department faculty and staff are available to discuss any concerns. Points of initial contact might include the Administrator of Undergraduate Laboratories or the Director of Graduate studies. However, anybody in the Department with whom the TA is comfortable discussing such issues can serve as an initial conduit to help resolve the issue. Contact can include both formal and informal discussions. If a TA feels that their concerns have not been adequately addressed, they should bring the matter to the attention of the Departmental executive officer (DEO).

There are also a number of University resources that may be utilized.

The Office of the Ombudsperson is available for any member of the University community to discuss problems or concerns. The services of the Ombudsperson are confidential and their office is neutral and independent of the University, providing a safe environment for discussion. The Ombudsperson can answer specific questions, determine various options, provide referrals to other services, and assist in conflict resolution. Contact information: C108 Seashore Hall, 319-335-3608, email: ombudsperson@uiowa.edu

The Office of Equal Opportunity and Diversity (OEOD) focuses on issues of equal opportunity, affirmative action, and diversity. They work with other offices and administrators at the University to investigate complaints of discrimination or harassment. OEOD is not a confidential resource and they are legally required to report any violations of law or equal opportunity policies that are brought to their attention in the form of a complaint. Contact information: 202 Jessup Hall, 319-335-0705, email: diversity@uiowa.edu
The Women's Resource and Action Center (WRAC) works to create greater equality for individuals of all identities. WRAC services include individual counseling sessions and support group meetings. Contact information: 230 Clinton Street, 319-335-1486, email: wrac@uiowa.edu

The Rape Victim Advocacy Program (RVAP) is a sexual assault victim advocate and prevention agency who will also discuss sexual harassment issues. RVAP provides confidential counseling sessions, referrals, and explanations of laws and policies. Contact information: 332 Linn Street, Suite 100, 319-335-6001

The mission of the University Counseling Service is to provide compassionate psychological services, outreach, and training that foster the mental health of students, nurture student success, and contribute to a safe, welcoming, and multiculturally aware campus community. Currently enrolled students at the University of Iowa can call the UCS at (319) 335-7294 to schedule an appointment. A description of services is available at; https://counseling.studentlife.uiowa.edu/

CONSENSUAL RELATIONSHIPS

The primary responsibility of a teaching Assistant is to educate undergraduate students in Chemistry Department courses. Any personal interaction that could interfere with that objective should be considered inappropriate. Thus, any relationships with undergraduate students or instructors must remain professional at all times. Personal relationships can constitute a conflict of interest. The University policy on consensual relationships is as follows:

Operations Manual, Part II, Division I, 5.2 No faculty member (including TAs) shall have a romantic and/or sexual relationship, consensual or otherwise, with a student who is enrolled in a course being taught by the faculty member or whose academic work is being supervised, directly or indirectly, by the faculty member.

Operations Manual, Part II, Division I, 5.3 In light of the potential for apparent and actual conflicts of interest, the following relationships are strongly discouraged at The University of Iowa; where such relationships arise, however, they are required to be disclosed and managed as indicated below:

a. Between faculty and students.

(1) Outside of the instructional context, a faculty member (including graduate students with teaching responsibilities) who engages in a romantic or sexual relationship with a student must promptly disclose the existence of the relationship to his or her immediate supervisor if there exists a reasonable possibility that a conflict of interest may arise. When a conflict of interest exists or is likely to arise, such relationships appear to others to be exploitative of or create apparent advantage for the student, and may later develop into conflicts of interest prohibited by II-5.2 above in situations that cannot be anticipated fully.

(2) A potential conflict of interest exists when the student is a graduate student in the same department or academic program as the faculty member, or is an undergraduate student and is majoring or minoring in the same department as the faculty member. A conflict of interest also may arise if the student is studying in a department separate from the faculty member. When a potential conflict of interest exists or is reasonably likely to arise, the faculty member must promptly disclose the relationship to his or her supervisor.

Adverse consequences for pursuing an inappropriate relationship could include loss of financial support or dismissal from the Department. A TA should endeavor to never place themselves in a situation that could be misunderstood.
Social Media
A TA is an instructor and an official, very public, representative for the University of Iowa and the Department of Chemistry. As consequence, personal behavior, image, and rhetoric will directly reflect on the University and the Department. Please be aware that any references on social media to the TA position or chemistry instruction at the University could be considered an aspect of professional performance and, therefore, subject to review. It is unwise, as well as a potential violation of Federal privacy law, to mention students or student performance in either specific or general terms.

Personal Electronic Devices
Smartphones and other personal electronic devices may be a distraction for TAs as well as students. These devices should be muted when brought to a lecture, laboratory, discussion section, or course related meeting. Electronic devices should not be accessed during these times and the focus of the TA should be on instructional activities.

Required Training
All Graduate Teaching Assistants must complete:

- Sexual Harassment Prevention – Retake every three years. Paycheck will be withheld if training has not been completed. Training found on Employee Self Service web site under Sexual Harassment Prevention Edu. In person training is required for initial training. Online training is recommended for subsequent years.
- FERPA (Federal Education Rights and Privacy Act) – Required to access class lists for instruction. Training found on the Employee Self Service web site under Learning and Development, My Training, Available Online Icon Courses.

All first year Graduate Students and Graduate Teaching Assistants assigned to laboratory courses must complete:

- Lab Chemical Safety (W008CM)
- Hazardous Waste Management for Labs (007HAZ)
- PPE Awareness for Labs (W157CM)
- Biohazardous Waste (W524HZ)
- Chemical Fume Hoods (W485CM)

These courses are found on the Employee Self Service web site under Learning and Development, My Training, Available Online Icon Courses.

All first year Graduate Students must complete:

- Not Anymore – Sexual Misconduct Prevention Program - All new, incoming graduate and professional students are required to take the online sexual misconduct prevention course during their first semester at The University of Iowa. The course will open in ICON on July 31st, 2016 for new graduate students enrolled for Fall 2016. The course will appear in the Fall 2016 course list. Each graduate student must complete the program before September 21, 2015 in order to register for Spring 2017 courses. If a graduate student fails to complete the Not Anymore training, a hold will be placed on registration. For more information: http://grad.admissions.uiowa.edu/academics/required-sexual-assault-prevention-program. Questions about the program can be directed to ui-ipv-prevention@uiowa.edu or 319-384-1115.
CREATIVITY AND THE TEACHING ASSISTANT

A teaching assistant position is the first part of a professional career as a scientist and a teacher. All TAs are eager to make creative, original contributions to both teaching and research endeavors. The Department would like to encourage our TAs to be innovative in their approach towards teaching and learning. TAs will have ample opportunity to bring their own ideas, methods, and strategies to the classroom environment. It is good idea to discuss any such innovations with the course instructors first to make sure they are consistent with course goals and methods as defined by the instructors. However, in general, TAs will have a great deal of freedom in their teaching.

Like most things in life, there are limits to instructional freedom, such as the specific prohibitions discussed in this Handbook. If a certain situation is not addressed in the Handbook, don’t hesitate to consult with a course supervisor.
Statement of Understanding

I have read and understand the information presented in The Department of Chemistry Handbook for all Teaching Assistants that was distributed in August, 2016.

__________________________________________  _________________________
Signature                                      Date

__________________________________________
Print Name
**Emergency Contact Information**

Teaching Assistant: _______________________________________________  (Please Print)

Local Address: _______________________________________________
Number and Street
City/State/Zip

Phone: ____________________________

Cell Phone: ____________________________

Parent(s) or Emergency Contact Individual(s): ________________________________________________

Address: _______________________________________________
Number and Street
City/State/Zip

Home Phone: _____________________________

Cell Phone: _____________________________