This quiz is part of a 4 step process students are required to complete when they enrol in Chemistry 1. They must complete the steps to have access to content and assessments on the LMS.

As we have many students who have not studied for a long time, never did senior school chemistry or mathematics, or are simply unrealistic about university study (e.g., enrolled in 4 x online 6 credit point units, work full-time, have 3 kids and 2 dogs and several aging parents) these steps are designed to give students appropriate expectations of the unit. They have been very successful in ensuring that students are aware of what they should expect (feedback from students supports this) and also reducing the amount of emails asking questions about information that is available on the LMS.

Step 1: Assumed Knowledge Check

Step 2: Assumed Knowledge Declaration

Stes 3: Expectation and Responsibility Quiz

Step 4: Safety Quiz

Students must achieve 100% in Step 3 and 4, although they can have as many attempts as they need. It doesn't take them very long.

I have provided the feedback that is given for those questions that are not just straight up information. The feedback is provided whether or not the student gets the question correct or not.

Teaching and Learning Expectations and Responsibilities

CHEM110 has assumed knowledge.

a. True
b. False

How many of the learning (study) resources that provided are students required to utilize?

a. It depends on several different factors as to how many of the learning resources a particular student may need to use.
b. At least half of them.
c. All of them.

If you have a question about the chemistry content we are learning, should you email your lecturers directly?

a. No.
b. Yes.

Is it OK to 'vent' on the discussion forums?

a. No.
b. Depends.
c. Yes.

If I post a question on the Moodle discussion forums, what is the appropriate response time from lecturers?

a. Within 2 business days.
b. Immediately.
c. Never.
d. Within an hour or so.

Which of my email addresses should you use to contact lecturers?

a. Your UNE email address.
b. Any ... it doesn't matter

If I'm having problems understanding some of the mathematical operations in the text and or lectures, I should ... ?

a. Look at material posted on this Moodle site and seek help.
b. Get someone to do all the calculation problems for me.
c. Ignore the problem.
d. Purchase a text on complex algebra.

Do scientists (and by extension students of science) care about significant figures?

a. Significant what now?
b. Yes
c. No

Do scientists (and by extension students of science) care about the use of units in their calculations?

a. Yes
b. No
c. You mean like a flat or apartment?

Is chemistry as hard as I think it is?

a. No. I am the reincarnation of Linus Pauling so I am pretty down with chemistry.
b. Yes. It is so hard it should only be used to crack open the most unyielding of walnuts.
c. Probably not.

Mandatory Intensive School and Laboratory Expectations and Responsibilities

If you are an online student, do you need to come to the Mandatory Intensive School?

a. Yes
b. No

If I miss a laboratory session during trimester, or during the intensive school, whom should I contact.

a. College staff.
b. Phone a friend.
c. The 1st year laboratory coordinator - Mrs Colleen Duff-Forbes.
d. The unit coordinator - Dr Erica Smith.

Why do practical sessions have Extension Questions?

a. To torture students.
b. To provide summative assessment, skill and confidence building, and equity.
c. To fill up the last 30 minutes of the practical session.

Aside from potentially losing your eyesight, what are the consequences of not wearing appropriate safety glasses in the CHEM110 laboratory?

a. Nothing ... safety glasses are only compulsory because Dr. Smith owns a safety glasses company and she makes money out of students buying them.
b. Exclusion from the laboratory.
c. Depends ... because you only need them on if you are actually working with chemicals.

What will happen if you turn up for a practical in open shoes, e.g., flip flops?

a. You will not be permitted to enter the lab.
b. You will be asked to audition as a foot model.
c. Nothing.
d. You will be given a pedicure.

Online Quiz Expectations and Responsibilities

Online Quiz 1 closes ... ?

a. sometime in T2 ... I guess???
b. at 11:59 pm on Sunday 5th July
c. at 11:59 pm on Monday 6th July
d. Huh? I can submit it any time during the trimester ... can't I?

When completing Online Quizzes are you allowed to use the prescribed text and other unit resources?

a. No, no, no, ... you are to work in a darkened room like mushrooms with no resources other than the questions.
b. Yes.

The time allowed to complete the Online Quizzes in CHEM110 is ...

a. 30 mins
b. 1 hour
c. Maximum of 48 hours or 2 days from the time you open your quiz or until the quiz closes (whichever comes first).
d. 2 hours
e. Unlimited, the quiz is not timed.

Examination Expectations and Responsibilities

When is the mandatory Online Early-Trimester Examination held?

a. A student may sit this exam whenever they like during the trimester
b. Students will sit the Online Early-Trimester Exam at a time and place of their choosing between 24th July and 29th July (inclusive).

The contribution to your overall assessment in CHEM110 from the Early-Trimester Exam is:

a. 10%
b. 25%
c. 40%
d. 50%
e. 55%

The contribution to your overall assessment in CHEM110 from the Final Examination is:

a. 10%
b. 45%
c. 50%
d. 55%
e. Don't know

Where can I find practice exams for CHEM110?

a. Through the library.
b. Via mail order.
c. CHEM110 Moodle site.

What are the consequences if I am found using a calculator which is not this list below during the CHEM110 Early-Trimester or Final Exam?

http://www.une.edu.au/current-students/my-course/examinations/what-calculators-are-permitted-in-exams

a. Nothing - I can use whichever calculator I like at UNE.
b. You will be forced to perform the famous Calculator Shuffle (traditional math dance) in front of everyone.
c. Your calculator will be taken off you and you will NOT be given a replacement.

If you do well in the assessments during the trimester, you will pass the final exam.

a. Yes.
b. Not necessarily.

Teaching and Learning Expectations and Responsibilities

CHEM110 has assumed knowledge.

a. True
b. False

This unit assumes knowledge and skills from the successful completion of two (2) years of Senior School chemistry (e.g., HSC chemistry) or successful completion of CHEM100 (previously known as CHEM123).

CHEM110 starts at Chapter 5 of the prescribed textbook. What does this mean for students who have not done chemistry before but are enrolled in CHEM110?

1. Chapters 1 through to 4 will **NOT** be covered in this unit and are assumed knowledge. However, there is a free Chemistry Refresher Course where you can brush up on these chapters. Chapters 2 and 3 are the key chapters for CHEM110.

2. If you are not familiar with the material in Chapters 1 through 4 the likelihood of your success in this unit will be highly compromised

3. If reference is made to assumed knowledge that is not familiar to the student, it is the **student's responsibility** to source and review that content. Students are welcome to ask for clarification on assumed knowledge concepts, but not before they have reviewed it for themselves.

If you are concerned you should contact the Unit Coordinator Dr Erica Smith (erica.smith@une.edu.au) to discuss your options as soon as possible.

How many of the learning (study) resources that provided are students required to utilize?

a. It depends on several different factors as to how many of the learning resources a particular student may need to use.
b. At least half of them.
c. All of them.

There are several types of learning resources available on Moodle. These include:

- Textbook Readings
- Video Recordings
- End-of-Chapter Review Questions
- Tutorial Worksheets
- VisChem Simulations

There is also that vast resource known as the Internet! Some students may need some of these resources, some students may need all of them, some students may need only a few. Every student is different and part of being at university is about learning how to be an independent learner, i.e., learning primarily on your own (with some expert support when needed).

If you have a question about the chemistry content we are learning, should you email your lecturers directly?

a. No.
b. Yes.

Answering questions via email is extremely time consuming and with close to 500 students enrolled in CHEM110 it is simply not feasible and so is not a good use of our time in supporting your learning. For this reason, in CHEM1110 messaging through Moodle has been disabled. Unless it is a personal matter, **please post all questions on the Moodle discussion forums**.

We understand that students may feel embarrassed about posting questions, but trust us, most people will be wondering the same thing and the responses you will receive from lecturers and other students will be prompt and supportive. If you feel you need to talk with a lecturer please contact the relevant lecturer (via email or after class for on-campus) to make an appointment for an office meeting or a telephone (or Skype) discussion.

Is it OK to 'vent' on the discussion forums?

a. No.
b. Depends.
c. Yes.

This is a tough one and can be a grey area. It is OK for students to discuss the fact that they may be struggling or finding something difficult, however there is a line where 'venting' can become considered as abusive and hence subject the poster to disciplinary action. Here are some tips for acceptable behaviour on discussion forums.

1. A discussion forum is **not** a social media website. For UNE teaching staff the unit discussion forums constitute their place of work. The lecturers have to read every post (i.e., they cannot 'opt-out') and are entitled to conduct their work without abuse or grossly negative comments about their work or the discipline of chemistry.

2. Yes everyone has their own opinion, however before posting anything that is not a content related question, please take a second to imagine someone coming to your place of work and standing at your desk saying what it is you are about to post. Even said in jest, this is unacceptable. Your lecturers in chemistry are highly qualified research scientists for whom teaching constitutes only 40% of their role as academics at UNE. Their high level of education and expertise in chemistry means they should expect a certain level of respect, and trust, from their students.

3. Fellow students also have the right to read discussion forum posts without being offended by inappropriate posts and disrespectful behaviour. Using symbols (e.g., @#$!^) in place of profanities is a good example.

4. Please remember, no one has forced anyone to enrol in a degree program that includes chemistry.

If I post a question on the Moodle discussion forums, what is the appropriate response time from lecturers?

a. Within 2 business days.
b. Immediately.
c. Never.
d. Within an hour or so.

We work very hard to provide support for our students; however, we do ask that students are conscious of the fact that Moodle posts and emails cannot always be answered instantly. Please remember that teaching is less than half of our total responsibilities as academics, and we teach several units simultaneously.

For content questions please post on the appropriate Moodle forum. Lecturers will read every post; however, we often try to take a 'back seat' in order encourage collaborative learning between students. For thousands of years, people have known that the best way to understand a concept is to explain it to someone else. "While we teach, we learn," said the Roman philosopher Seneca. If incorrect (or no) information or advice is being put forward by fellow students we will, of course, take an active role in the discussion. Students occasionally will argue that they are time poor and "need the answer straight away"; however, students should be very clear that this is not the way students learn the skills they are at university to learn. The best way for students to learn chemistry, problem solving and critical thinking skills, is to be guided toward the answers, not to be given the answers.

We do understand that many students (especially online students) study outside of business hours, however students should be aware that academic and general staff who are at the office during business hours are not required to work after hours or on the weekends. We try to support our students as best we can, but in the student's best interest we recommend that at the minimum students should have no expectation that Moodle posts (or emails) will be answered after hours or on the weekends. That is not to say it might not happen sometimes, but we also have personal responsibilities such as family.

Any information you require throughout the trimester will be available on this Moodle site - you may just need to search a little to find it. We ask that you try to source your own information as much as possible because developing this skill is an essential and important aspect of your university education.

Which of my email addresses should you use to contact lecturers?

a. Your UNE email address.
b. Any ... it doesn't matter

It is UNE policy that students contact lecturers (in fact all university staff) using their UNE email. Emails from alternative addresses will not be acknowledged. Please also include your name, student number, the unit you are emailing about, and whether you are an on-campus or online student.

If I'm having problems understanding some of the mathematical operations in the text and or lectures, I should ... ?

a. Look at material posted on this Moodle site and seek help.

b. Get someone to do all the calculation problems for me.
c. Ignore the problem.
d. Purchase a text on complex algebra.

The earlier you identify problems the quicker they can be remedied. If your mathematical background is not strong you should start by utilizing the resources available in the Assumed Knowledge topic box on the CHEM110 site and Appendix I in the back of your textbook. If you are still having problems seek help from your lecturers, the Academic Skills Office or the Mathematics Bridging Course.

Do scientists (and by extension students of science) care about significant figures?

a. Significant what now?
b. Yes
c. No

Reporting measurements with the correct number of significant figures and when undertaking subsequent data manipulation, the correct treatment of significant figures is not trivial. For science to be effective and impactful it needs to rigorous. This is assumed knowledge, and while you are welcome to ask about it during the unit, you will find the unit much easier if you have a handle on this before you start. Please see Appendix H of your CHEM110 textbook or any of the gazillion internet resources which can teach you about significant figures. Here is one ...

https://www.khanacademy.org/math/arithmetic-home/arith-review-decimals/arithmetic-significant-figures-tutorial/v/significant-figures

Do scientists (and by extension students of science) care about the use of units in their calculations?

a. Yes
b. No
c. You mean like a flat or apartment?

The correct and consistent use of units is essential in any scientific discipline. This is not trivial nor is it designed to annoy students. Using units consistently will not only help reduce errors in your scientific endeavours (like losing a $125 million climate orbiter that NASA sent to Mars) but using units consistently will make it easier learn to chemistry and help you to see your errors. I repeat ... will make learning chemistry easier ... so please make sure that whenever you post your working on the online forums or bring it to us in class to ask for guidance (both highly recommended), if there are no units we will always ask you to redo the work with units first. Most mistakes are easily are identified if units were used, so save your time, energy and sanity and just use units in your calculations ... every step, every time.

Is chemistry as hard as I think it is?

a. No. I am the reincarnation of Linus Pauling so I am pretty down with chemistry.
b. Yes. It is so hard it should only be used to crack open the most unyielding of walnuts.
c. Probably not.

Turns out that ‘overthinking’ is a major problem in CHEM110. It relates to the expectation most people have that chemistry is really hard, and therefore every single aspect must be super complicated. Yes it is hard, but it is usually not as hard as people think it is, and there are some simple steps to help overcome that. This is important because that mindset and lack of confidence actually does make it harder.

So when we approach a question we need to practice doing so with a positive mindset, and a mental conversation with ourselves that says that even though we are not sure how to solve the problem, we can solve it. Emphasis on the 'solve', which means we usually need to fiddle a bit, especially when we can't see where to start. We need to learn that not being able to see where to start a problem, should not get in the way of solving the problem. For me, I just start. It may be the wrong start, but it gets us going, and if we are rigorous with use of units, and we are on the wrong road, we will see that soon enough. But we on a road and the mind is working, and the wrong road usually has clues to get us to right road.

If you don’t know who Linus Pauling is, look him up! Super inspiring human!

Mandatory Intensive School and Laboratory Expectations and Responsibilities

If you are an online student, do you need to come to the Mandatory Intensive School?

a. Yes
b. No

If I miss a laboratory session during trimester, or during the intensive school, whom should I contact.

a. College staff.
b. Phone a friend.
c. The 1st year laboratory coordinator - Mrs Colleen Duff-Forbes.
d. The unit coordinator - Dr Erica Smith.

Why do practical sessions have Extension Questions?

a. To torture students.
b. To provide summative assessment, skill and confidence building, and equity.
c. To fill up the last 30 minutes of the practical session.

In each practical session students will complete a guided experiment in which all students should be able to gain the 5 points required gain a pass (i.e., mark of 50%) for each practical. The Extension Questions (worth an extra 5 points) have three aims:

(i) To assess the level at which students have achieved the Learning Objectives for each practical;

(ii) To help students develop skills and confidence (with no risk of causing them to fail the practical) in answering questions and problem solving in an exam-like situation.

(iii) Aids in ensuring equity in practical marking.

Practical sessions run for 3 hours and 30 minutes. Attempts at Extension Questions are limited to 30 minutes; however, students will not be permitted to attempt Extension Questions until they have finished their practical. Please note that practicals are designed to take a maximum of 3 hours - provided that students work diligently! If there are any issues with equipment etc, this will be taken into consideration, otherwise practical times CANNOT be extended.

Aside from potentially losing your eyesight, what are the consequences of not wearing appropriate safety glasses in the CHEM110 laboratory?

a. Nothing ... safety glasses are only compulsory because Dr. Smith owns a safety glasses company and she makes money out of students buying them.
b. Exclusion from the laboratory.
c. Depends ... because you only need them on if you are actually working with chemicals.

Safety glasses must be worn **AT ALL TIMES**. If you are caught without your safety glasses your laboratory demonstrators have the right to exclude you from the laboratory and give you a zero for that practical. We understand they are annoying and inconvenient sometimes, but I am pretty sure they are as inconvenient as losing your eyesight. This is for your own safety!

and for option (c)

What if the person next to you or across from you spills or splashes a chemical or breaks some glass and it flies across the bench? Safety glasses must be worn **AT ALL TIMES**. If you are caught without your safety glasses your laboratory demonstrators have the right to exclude you from the laboratory and give you a zero for that practical. We understand they are annoying and inconvenient sometimes, but I am pretty sure they are as inconvenient as losing your eyesight. This is for your own safety!

What will happen if you turn up for a practical in open shoes, e.g., flip flops?

a. You will not be permitted to enter the lab.
b. You will be asked to audition as a foot model.
c. Nothing.
d. You will be given a pedicure.

This happens several times every year. Exceptions cannot be made as it is unsafe to be in the lab with open shoes and we would be remiss in our duty of care for you as UNE students if we permitted you to work in the lab without adequate footwear.

Online Quiz Expectations and Responsibilities

Online Quiz 1 closes ... ?

a. sometime in T2 ... I guess???
b. at 11:59 pm on Sunday 5th July
c. at 11:59 pm on Monday 6th July
d. Huh? I can submit it any time during the trimester ... can't I?

Online Quiz 1 is due at 11:59 pm on Sunday 5th July. Assessment due dates are available in the Study Timetable and the Assessment Overview page of the Unit Information and Assessment Overview.

Please put this (and all other assessment due dates as per the Study Timetable) in your calendar now, and please don't email me to tell me you didn't know about the quiz :)

When completing Online Quizzes are you allowed to use the prescribed text and other unit resources?

a. No, no, no, ... you are to work in a darkened room like mushrooms with no resources other than the questions.
b. Yes.

You are encouraged to use your textbook and other unit resources to help answer the questions. As you have 48 hours complete the Online Quizzes we encourage you to use all resources open to you to enhance you understanding of the material being covered. If you choose not to use the Online Quizzes as a learning experience - be aware that satisfactory results in the Mid-Trimester and Final Exams are required to pass the unit.

The time allowed to complete the Online Quizzes in CHEM110 is ...

a. 30 mins
b. 1 hour
c. Maximum of 48 hours or 2 days from the time you open your quiz or until the quiz closes (whichever comes first).
d. 2 hours
e. Unlimited, the quiz is not timed.

Examination Expectations and Responsibilities

When is the mandatory Online Early-Trimester Examination held?

a. A student may sit this exam whenever they like during the trimester
b. Students will sit the Online Early-Trimester Exam at a time and place of their choosing between 24th July and 29th July (inclusive).

Students will sit the Online Early-Trimester Exam at a time and place of their choosing between 24th July and 29th July (inclusive). More details can be found within the CHEM110 Moodle site in the Examination Information topic box once you have completed the '4 Steps to Get Started'. Just to re-iterate, this exam opens at the end of week 4 ... so you need to start working straight away. CHEM110 is not the type of unit that you can wait a few weeks to start.

Please put this in your calendar now, and please don't email me to tell me you didn't know about the Early-Trimester Exam :) Yep, it happens!

The contribution to your overall assessment in CHEM110 from the Early-Trimester Exam is:

a. 10%
b. 25%
c. 40%
d. 50%
e. 55%

The contribution to your overall assessment in CHEM110 from the Final Examination is:

a. 10%
b. 45%
c. 50%
d. 55%
e. Don't know

Where can I find practice exams for CHEM110?

a. Through the library.
b. Via mail order.
c. CHEM110 Moodle site.

What are the consequences if I am found using a calculator which is not this list below during the CHEM110 Early-Trimester or Final Exam?

http://www.une.edu.au/current-students/my-course/examinations/what-calculators-are-permitted-in-exams

a. Nothing - I can use whichever calculator I like at UNE.
b. You will be forced to perform the famous Calculator Shuffle (traditional math dance) in front of everyone.
c. Your calculator will be taken off you and you will NOT be given a replacement.

If you do well in the assessments during the trimester, you will pass the final exam.

a. Yes.
b. Not necessarily.

We have had students who will consistently gain HD's throughout the trimester only to completely bomb the final exam. Just because a student spends endless hours working on assessments does not mean they really understand the content. If a student has utilized the Internet, textbooks and other people to help them with an assessment, this may mean they cannot correctly answer questions in an exam situation. If you can do problems **WITHOUT** looking at **ANY** worked solutions, then you are ready for the exam.