

## EXAM - 1<sup>ST</sup> AND 2<sup>ND</sup> OPPORTUNITIES - 2023

### When and where?

1<sup>st</sup> opportunity exam is **ONLINE** on Wednesday morning 14 June 2023 scheduled from 09:00 to 12:00.

2<sup>nd</sup> opportunity exam is **ONLINE** on Tuesday afternoon 11 July 2023 scheduled from 14:00 to 16:00.

You can do the exam from any computer at any venue, like your hostel room or private residence.

### **LOAD-SHEDDING**

Due to possible load-shedding and the stage of load-shedding on the day, I might open the exam earlier or later than the scheduled time. For instance, if load-shedding starts at 10:00 in the morning, I will open the test at 07:00. Please be aware of this and check eFundi!!! I will post an announcement as soon as I know the stage and times. Hopefully, that will be a day or two in advance.

Also, I will only take the Potchefstroom load-shedding schedule into account. If you write in another town, it will be your responsibility to make sure that you have a stable internet connection.

### Content: (Same for both opportunities)

You will not be assessed on Study Units 1, 2, 3 and 6 at all for the exams. Same for both opportunities.

You will be assessed on Study Units 4; 5; 7; 8 and 9. Same for both opportunities.

Study Sections 4.1; 4.2; 4.3; 4.4; 4.5; 4.6 and 4.7

Study Sections 5.1; 5.2; 5.3; 5.4; 5.5; 5.6; 5.7 and 5.8

Study Sections 7.1; 7.2; 7.3; 7.4; 7.5 and 7.6

Study Sections 8.1; 8.2; 8.3; 8.4; 8.5; 8.6; 8.7; 8.8; 8.9 and 8.10

Study Sections 9.1; 9.2; 9.3; 9.4; 9.5; 9.6 and 9.7

### Important Information:

#### First opportunity:

The 1<sup>st</sup> opportunity is open for all students irrespective of your participation mark out of 60. You do not need to do the 1<sup>st</sup> opportunity, but if you choose not to for whatever reason or you are sick or you cannot do the 1<sup>st</sup> exam

opportunity, you will receive zero for the assessment and will be obligated to do the 2<sup>nd</sup> opportunity to pass the module. You do not need to hand in an excuse/doctor's note when you do not do the 1<sup>st</sup> exam opportunity. You simply do the 2<sup>nd</sup> opportunity.

### **Second opportunity:**

If after the 1<sup>st</sup> opportunity, you passed the NCHE111 module, you will not be allowed to do the 2<sup>nd</sup> opportunity. The 2<sup>nd</sup> opportunity test is only for students who failed the module after the 1st opportunity or for those who did not do the 1<sup>st</sup> opportunity for whatever reason. You do not have to apply to do the 2<sup>nd</sup> opportunity. If you failed after the 1<sup>st</sup> opportunity, you could simply do the 2<sup>nd</sup> test on the 11<sup>th</sup> of July. If you still fail the module after the 2<sup>nd</sup> opportunity, you will have to re-do the whole module in 2024.

**It is important to note that** even if your participation mark is above 50, doing one of the two exam opportunities is still compulsory. The A-rules of the university state that if your participation mark for the module is above 50 and you do not do any one of the two exam opportunities, you will not have completed the module and will therefore fail. You will then need to redo the module in 2024.

### **General Information: (Applicable for both opportunities)**

Access the exam as you did for all the e-Tests on the NCHE111 eFundi page under the "Tests & Quizzes" tab in the menu bar on the left of the screen. I will send you a reminder a day or two before. You will all do the exams on the same day and in the same time slot. This is the dates and times that are scheduled by the University. Because of possible load-shedding the time may move a bit earlier or later. I will communicate this to you in advance.

You will not need 3 hours to do an exam as scheduled. Under normal circumstances, students have 3 hours to complete a 100-mark exam paper. That equates to 1 minute and 48 seconds per mark. The exam will be less than 100 marks and I will adjust the time according to the above timeline. So, you will have the same time per mark to complete the test as under normal exam conditions. In the reminder, I will indicate the allocated time that you will have for that assessment.

You will only be allowed one (1) submission. You will **NOT** be able to exit the test after any question and come back at a later stage. Once you click "Begin Assessment," you will have the allocated time to complete the assessment. If you start late, you will have less time, so please make sure that you are ready at the scheduled time on that day.

**The exam assessments will not be linear!** You will have random access to questions. "Next" and "Previous" buttons will be on each page/question for navigation. This means that you will be able to go back to a question at a later stage.

You will need a pen/pencil, periodic table, paper, and a calculator for the test. You will have to do some calculations before choosing the correct answer from the multiple-choice questions or filling your answer into the space provided.

All the information that you might need for the exams, like equilibrium constants or enthalpy values, etc. will be supplied to you in the question. There is no formula sheet, you should know all the formulas that you might need.

If your answer is not the same as any of the given answers in a multiple-choice question, then choose the answer closest to yours (different people might round values off differently). All questions are in Afrikaans and in English. You may also answer in Afrikaans and/or English.

**IMPORTANT:**

Indicate **ALL** numerical values to **2 decimal** places in the answers, **except** when indicated otherwise. (Example:  $x = 2.49102$  becomes  $x = 2.49$  or  $x = 1.003988$  becomes  $x = 1.00$ )

**For scientific notations:**

Example Avogadro's number =  $6.02 \times 10^{23}$  or  $6.02E23$  and **NOT**  $6.02e1023$  also **NOT**  $6.021023$  also **NOT**  $6.0210^{\wedge}23$ . You cannot do uppercase/lowercase values, so just type a value in as normal.

Please do not use the ^ symbol to indicate an uppercase number. So, for example: write  $\text{Cu}^{2+}$  as  $\text{Cu}2+$

And NOT  $\text{Cu}^{\wedge}2+$ . Also, do not put charges between brackets, for example:  $\text{Cu}2+$  and NOT  $\text{Cu}(2+)$ . The same for formulas of compounds, for example  $(\text{NH}_4)_2\text{SO}_4$  (ammonium sulfate) you will type as  $(\text{NH}4)2\text{SO}4$ .

Use normal brackets for formulas like  $(xx)$  and not  $\{xx\}$  or  $[xx]$ . Do NOT use any other character like \_ to indicate lowercase values or numbers. When typing a numerical value with decimal places use a full stop between values and not a comma. Example: 6.00 and not 6,00

**Q & A**

You can send me questions/uncertainties about the exam via email ([colin.read@nwu.ac.za](mailto:colin.read@nwu.ac.za)). You are also welcome to come and see me at my office with any problems or questions or make an appointment for help. **I will be on standby during both assessments to help with potential problems.**

**WARNING!!!! ALL E-TESTS AND ASSIGNMENTS ARE FORMAL ASSESSMENTS AND IF YOU MAKE YOURSELF GUILTY BY CHEATING IN WHATEVER WAY AND YOU GET CAUGHT, YOU STAND A CHANCE OF BEING EXPELLED. PLEASE DO YOUR OWN WORK.**

I will try to supply you with your participation mark out of 60 (and 60% of your module mark) by Friday the 2<sup>nd</sup> of June at the latest – hopefully earlier.

Thank you and good luck!!

Kind regards.

Dr. Colin Read