

Mathematics refresher course 2020

All bona fide first year students enrolled for programs which contain the module MTHS111, MTHS114, MATH111 or WSKT122 must attend the refresher course. This implies that all engineering and BMI students, BSc and BA students enrolled for the modules MTHS111 or MTHS114 and BEd students (Snr/FET) with Education Mathematics as mayor subject or Technology Education, have to attend. See the enclosed list of programs that contain the modules MTHS111, MTHS114, MATH111 or WSKT122. Students who are repeating the modules MTHS111, MTHS114, MATH111 or WSKT122, BCom students enrolled for MTHS112/123, and BSc students enrolled for MTHS113, are exempted from the refresher course. Students repeating the module MTHS111, MTHS114 or MATH111 are strongly recommended to attend the refresher course.

Refresher course time table

| Day | Date | Time | Content |
|-----------|-------------|-------------|---|
| Monday | 13 Jan 2020 | 16:00-17:45 | Compulsory for all Test |
| Tuesday | 14 Jan 2020 | 8:00-11:00 | Compulsory for all Registration and distribution of workbooks Algebra and exponents (chapter 1) |
| Wednesday | 15 Jan 2020 | 9:00-12:00 | Optional if 80% or more Logarithm section in pre-test Logarithms (chapter 2 and worksheet 1) |
| Wednesday | 15 Jan 2020 | 14:00-17:00 | Compulsory for all Logarithms (worksheet 2) |
| Thursday | 16 Jan 2020 | 14:00-17:00 | Optional if 80% or more for Function section in pre-test Functions (chapter 3 and worksheet 3) |
| Friday | 17 Jan 2020 | 14:00-17:00 | Compulsory for all Radian measure (sections 4.1-4.3) |
| Saturday | 18 Jan 2020 | 9:00-12:00 | Compulsory for all Trigonometry (sections 4.4, 4.5) |
| Tuesday | 21 Jan 2020 | 14:00-17:00 | Compulsory for all Trigonometry (worksheet 4) |
| Wednesday | 22 Jan 2020 | 14:00-17:00 | Compulsory for all Inequalities, absolute value (sections 5.1, 5.2, worksheet 5) |
| Thursday | 23 Jan 2020 | 14:00-17:00 | Compulsory for all Limits and continuity (sections 5.3, 5.4) |
| Friday | 24 Jan 2020 | 14:00-16:00 | Compulsory for all Differentiation (chapter 6 and worksheet 6) |
| Saturday | 25 Jan 2020 | 14:00-16:00 | Compulsory for all Test |

13 January: Before the commencement of the refresher course, during the “R&O” period, a Mathematics test will be written by all students enrolled for programmes in the attached list. The test will be written during the first session on Monday 13 January 2020 at 16:00-17:45 in the lecture halls of E8 (J Chris Coetzee building), Potchefstroom campus, NWU. All students have to report in the lecture halls of E8 (J Chris Coetzee building) as indicated in the list below. Bring a HB pencil and eraser (no calculators). In the test certain basic mathematical ideas/concepts, which were taught at school and which are important for Mathematics at university level, are tested. No specific preparation for the test is necessary.

Venue: E8 G41 (for BEd students) and E8 G01 (for BSc, BIng and BA students)

All information is available at <https://goo.gl/FQhbQ6>

Students admitted to the following programs have to attend the refresher course:

- Faculty of Engineering (ASA Ingenium) (E8 G42, English E8 G01)
 - Chemistry (7CG K01 - I421P)
 - Chemistry en Mineral Processing (7CG K02 - I422P)
 - Electrical en Electronics (7CN K01 - I423P)
 - Computer en Electronics (7CH K01 - I424P)
 - Electromechanical (7CL K01 - I425P)
 - Mechanical (7CJ K01 - I426P)
 - Industrial (7CK K01 - I427P)
- Faculty of Natural Sciences
 - ASA Scientae (E8 G34, English E8 G01)
 - Chemistry and Physics (2FF H05 - N301P)
 - Chemistry, Mathematics and Applied Mathematics (2FF H22 - N301P)
 - Physics and Mathematics (2FF H23 - N301P)
 - Physics and Applied Mathematics (2FF H24 - N301P)
 - Physics and Computer Science (2FF H25 - N301P)
 - Computer Science and Statistics (2FF H26 - N301P)
 - Computer Science and Mathematics (2FF H09 - N301P)
 - Computer Science and Economics (2FF H28 - N301P)
 - Mathematics and Economics (2FF H29 - N301P)
 - Geography and Applied Mathematics (2FF H30 - N301P)
 - Statistics and Mathematics (2FG H02 - N301P)
 - Mathematics (2FG H01 - N301P)
 - Quantitative Risk Management (2FT H01 - N301P)
 - Financial Mathematics (2FS H01 - N301P)
 - Business Analytics (2FR H01 - N301P)
 - Actuarial Science (2FQ H01 - N301P)
 - Information Technology and Computer Science (2DX H01 N302P) if MTHS111 is elected
 - ASA Ad Vivendum (E8 K41, English E8 G01)
 - Biochemistry and Chemistry (2FF H06 - N301P)
 - Microbiology and Biochemistry (2DK H11 - N301P)
 - Botany and Biochemistry (2DK H02 - N302P)
 - Zoology and Biochemistry (2DK H07 - N302P)
 - Chemistry and Physiology (2DK H06 - N302P)
 - Microbiology and Chemistry (2DJ H10 - N301P)
 - Botany and Chemistry (2DJ H03 - N302P)
 - Zoology and Chemistry (2DJ H04 - N302P)
 - Geology and Chemistry (2DJ H07 - N302P)
 - ASA PSA (E8 K40, English E8 G01)
 - Urban and Regional Planning (2FE K01 - N401P)
- Faculty of Health Sciences (ASA Viviente) (E8 K40, English E8 G01)
 - Physiology and Biochemistry (8DJ H01 - G301P)
- Faculty of Arts (ASA Cuvinte) (E8 G34, English E8 G01)
 - Any BA with Mathematics as elective
- Faculty of Education (ASA Educo) (E8 G41)
 - BEd Snr/FET with Mathematics as a specialisation subject (4BN J01/03/04/07/08/13/14)
 - BEd Snr/FET Mechanical, Electrical and Civil Technology education (4BN J17/18/19)
- Students appointed by the Admission office or Faculty Manager to attend the course for possible admission (E8 K40, English E8 G01)