

Mathematics Refresher Course (MRC) 2022 for FNAS and FENG students

Aim of Mathematics Refresher Course

The main purpose of the MRC is to help first year students to adapt to the high pace of first year mathematics and to improve the pass rate. To cope with the fast pace and the large quantity of work, the MRC is of utmost importance. Work done at school is revised and new concepts are discussed. These concepts are frequently used during the course of the year, so students will understand it easier since it has already been presented during the MRC.

The modules MTHS111/121/114/124 are prerequisites for many other mathematics and applied mathematics modules. This includes students who are enrolled for programs that have chemistry, biochemistry, physics, mathematics, applied mathematics, statistics as modules and also includes all engineering students. Students taking these modules can easily fall behind, resulting in their studies being prolonged by at least one year, if they fail their mathematics. These students' study time is prolonged by at least one year if they fail MTHS111/121/114/124. In the case of the engineering students, they cannot proceed with any mathematics or/and applied mathematics modules in their second year. It is therefore very important that they pass MTHS111/121/114/124 the first time.

Presentation of MRC

As soon as the NSC matric results are available, you will receive your letter of admission from the NWU and an email with the instructions how to register for this course. The course is presented in a hybrid mode, with mainly online presentations (already starting before the Registration and Orientation period commences), as well as a limited number of contact sessions offered during the Registration and Orientation period on the Potchefstroom campus. The cost of the course is R300 and will be deducted from your student account by the end of March 2022.

You will need at least a smart phone, an exercise book of at least 192 pages, a pen or pencil, at least 50 hours and dedication to complete the course. You have time until the commencement of classes to complete the course.

The course consists of a pre- and post-test and exercises which you have to complete online. Both the pre- and post-tests are online. You may use the contact sessions offered to help you to complete the exercises. As soon as you worked through all the content and completed all the exercises, you may do the post test. The post-test mark will contribute to your final module mark for MTHS111/114 or MATH111.

Students obliged to complete the MRC

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

- Faculty of Engineering
 - Chemistry (7CG K01 - I421P)
 - Chemistry and Mineral Processing (7CG K02 - I422P)
 - Electrical and Electronics (7CN K01 - I423P)
 - Computer and Electronics (7CH K01 - I424P)
 - Electromechanical (7CL K01 - I425P)
 - Mechanical (7CJ K01 - I426P)
 - Industrial (7CK K01 - I427P)
 - Mechatronics (7CR K01 - I401P)
- Faculty of Natural Sciences
 - Applied Mathematics and Chemistry (2FF H13 - N301M)
 - Applied Mathematics and Electronics (2FF H14 - N301M)
 - Applied Mathematics and Mathematics (2FG H03 - N301M)
 - Chemistry and Computer Science (2FF H13 - N301M)
 - Chemistry and Geography (2DJ H18 - N301M)
 - Chemistry and Mathematics (2FF H11 - N301M)
 - Chemistry and Physics (2FF H05 - N301P/M)

- Chemistry, Mathematics and Applied Mathematics (2FF H22 - N301P)
- Computer Science and Economics (2FF H28 - N301P/V)
- Computer Science and Electronics (2FF H17 - N301M)
- Computer Science and Mathematics (2FF H09 - N301P/M/V)
- Computer Science and Statistics (2FF H26 - N301P/V)
- Electronics and Mathematics (2FF H19 - N301M)
- Electronics and Physics (2FF H20 - N301M)
- Geography and Applied Mathematics (2FF H30 - N301P)
- Mathematics (2FG H01 - N301P)
- Mathematics and Economics (2FF H29 - N301P/V)
- Physics and Applied Mathematics (2FF H24 - N301P/M)
- Physics and Computer Science (2FF H25 - N301P/M)
- Physics and Mathematics (2FF H23 - N301P/M)
- Statistics and Mathematics (2FG H02 - N301P/V)
- Actuarial Science (2FQ H01 - N301P)
- Business Analytics (2FR H01 - N301P/V)
- Financial Mathematics (2FS H01 - N301P/V)
- Quantitative Risk Management (2FT H01 - N301P/V)
- Information Technology and Computer Science (2DX H01 N302P/V) if MTHS111 is elected
- Biochemistry and Chemistry (2FF H06 - N301P/M)
- Botany and Biochemistry (2DK H02 - N302P/M)
- Botany and Chemistry (2DJ H03 - N302P/M)
- Chemistry and Physiology (2DK H06 - N302P)
- Geography and Computer Science (2DJ H14 - N301M)
- Geology and Chemistry (2DJ H07 - N302P)
- Microbiology and Biochemistry (2DK H11 - N301P/M)
- Microbiology and Chemistry (2DJ H10 - N301P/M)
- Zoology and Biochemistry (2DK H07 - N302P)
- Zoology and Chemistry (2DJ H04 - N302P)
- Urban and Regional Planning (2FE K01 - N401P)
- Agricultural Economics (2FD K01 - N401M)
- Agronomy and Horticulture (2FD K04 - N401M)
- Animal Health (2FD K07 - N401M)
- Animal Science (2FD K03 - N401M)
- Faculty of Health Sciences
 - Physiology and Biochemistry (8DJ H01 - G301P)
- Faculty of Arts
 - Any BA with Mathematics as elective
- Students appointed by the Admission office or Faculty Manager to attend the course for possible admission

Contact us

Mariette Hitge mariette.hitge@nwu.ac.za or 018 2992579

Elsabe Weyer elsabe.weyer@nwu.ac.za or 018 2994370