Mathematics refresher course 2016

All bona fide first year students enrolled for programs which contain the module WISN111 or MATE111 must attend the refresher course. This implies that all engineering and BMI students, but only BSc, BCom, BA students enrolled for the module WISN111, and BEd students with Education Mathematics as mayor subject, have to attend. Students who are repeating the module WISN111, BCom students enrolled for WISN112/123, and BSc students enrolled for WISN113, are exempted from the refresher course. Students repeating the module WISN111 are strongly recommended to attend the refresher course. See the attached list of programs that contain the module WISN111 or MATE111.

Refresher course time table

Day	Date	Time	Content
Tuesday	12 Jan 2016	8:00-10:00	Test Introduction to the course Distribute workbooks Homework pp. 15-19
Wednesday	13 Jan 2016	14:00-17:00	Algebra pp. 20-27 Homework pp. 28-39
Saturday	16 Jan 2016	9:00-12:00	Logarithms pp. 40-48 Homework pp. 49-51
Saturday	23 Jan 2016	14:00-16:00	How does Ebola effect me
Monday	25 Jan 2016	10:00-13:00	Function concept pp. 52-72, 182-183
Monday	25 Jan 2016	14:00-16:30	Survive in an economic driven world
Tuesday	26 Jan 2016	10:00-13:00	Trigonometry pp. 73-112
Tuesday	26 Jan 2016	14:00-16:30	Waves at sea
Wednesday	27 Jan 2016	10:00-13:00	Absolute value and limits pp. 113-136
Wednesday	27 Jan 2016	14:00-16:30	Stand on graphs
Thursday	28 Jan 2016	10:00-13:00	Absolute value and limits pp. 137-157
Thursday	28 Jan 2016	14:00-16:30	Optimisation
Friday	29 Jan 2016	10:00-13:00	Test Introduction to mastering mathematics at university level

13 January: Before the commencement of the refresher course, during the "O&B" 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 Tuesday 13 January 2015 at 8:00-10:00 in the lecture halls of G1 (Natural Sciences building), Potchefstroom campus, NWU. All students have to report at the foyer of G1 (Natural Sciences building). Bring a HB pencil and eraser (calculator is optional – you don't really need it). 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.

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

- Faculty of Engineering (I103P, I104P, I203P, I204P, I205P, I303P, I304P)
- Faculty of Natural Sciences
  - Physical and Chemical Sciences
    - Chemistry and Physics (N151P)
    - Chemistry, Mathematics and Applied Mathematics (N152P)
    - Physics and Mathematics (N154P)
    - Physics and Applied Mathematics (N155P)
    - Biochemistry and Chemistry (N174P)
    - Chemistry and Physiology (N177P)
    - Biochemistry and Physiology (N179P)
  - Computer and Mathematical Sciences
    - Physics and Computer Science (N153P)
    - Computer Science and Statistics (N156P)
    - Computer Science and Mathematics (N157P)
    - Statistics and Mathematics (N158P)
    - Mathematics (N159P)
    - Computer Science and Economics (N175P)
    - Mathematics and Economics (N176P)
    - Information Technology and Computer Science (N150P)
  - Environment- and Biological Sciences
    - Botany and Chemistry (N149P)
    - Zoology and Biochemistry (N160P)
    - Zoology and Chemistry (N161P)
    - Microbiology and Biochemistry (N167P)
    - Microbiology and Chemistry (N168P)
    - Botany and Biochemistry (N170P)
    - Geology and Chemistry (N180P)
  - BWI
    - Quantitative Risk Management (N134P)
    - Financial Mathematics (N135P)
    - Data mining (N136P)
    - Actuarial Science (N137P)
  - Urban and Regional Planning (N183P)
  - Information technology and computer science (N150P) if WISN111 is taken
- Faculty of Health Sciences
  - Physiology and Biochemistry (G301P)
  - Psychology and Computer and Information Systems (G305P)
  - Psychology and Mathematics (G306P)
- Faculty of Arts
  - Mathematics and History (L329P)
  - Ethics, Philosophy and Mathematics (L338P)
  - Language Technology with Computer Science (L425P)
  - Any BA with Mathematics as choice
- Faculty of Economical Sciences
  - Economics, Risk management and Investment management (E342P)
- Faculty of Education Sciences
  - BEd Snr/FET Mathematics for Education (O194P)
  - BEd Int/Snr Mathematics for Education (O194P)
- Students appointed by the Admission office or Faculty Manager to attend the course for possible admission.