

Department of Physics

	SUBJECT	INFORMATION
1	ABOUT THE DEPARTMENT (BACKGROUND AND SERVICES RENDERED)	<p>Department of Physics is located in the second floor of Natural Science building (NSB). The main activities in the department are teaching, research and community service.</p> <p>Physics is the study of the laws of nature. Physics principles are at the foundation of all natural and applied sciences</p> <p>Physics department offers the following degree programmes: BSc, BSc. Honours, MSc and PhD.</p>
2	STAFF PROFILE (NAME,TITLE,CONTACT AND SHORT CV)	<p>1.Name: Sithole ME Title: Dr [REDACTED] Contact: Tel +27 12 521 5753; Fax +2712 521 3095 Email: enoch.sithole@smu.ac.za CV: BSc (ED), BSC Hons, MSc, PhD (UL) Position: Senior Lecturer Acting HOD [REDACTED] Teaching: Quantum Mechanics; Solid State Physics; Electronics; Semiconductor Physics [REDACTED] Research: Semiconductor Materials; Radiation Physics</p> <p>2.Name: Mhlongo MR Title: Mrs [REDACTED] Contact: Tel +27 12 521 3966; Fax +2712 521 3095 Email: rebecca.mhlongo@smu.ac.za CV: BSc, BSC Hons, MSc (UNISA) Position: Lecturer [REDACTED] Teaching: Modern Physics; Statistical Mechanics; Electrodynamics Research: Theoretical Physics; Physics Education</p>

3.Name: Moloi AN

Title: Mr

Contact: Tel +27 12 521 3975; Fax +2712 521 3095

Email: alfred.moloi@smu.ac.za

CV: BSc (ED), B. Ed Hons (UP)

Position: Junior Lecturer

Teaching: Mechanics; Modern Physics; Electricity and Magnetism;

Practical

4.Name: Malunga SR

Title: Mr

Contact: Tel +27 12 521 3988; Fax +2712 521 3095

Email: stanly.malunga@smu.ac.za

CV: BSc (ED), BSc. Hons (MEDUNSA)

Position: Natural Scientist

Teaching: ECP I; Practical

5.Name: Phenyane RR

Title: Mr

Contact: Tel +27 12 521 3611; Fax +2712 521 3095

Email: ronald.phenyane@smu.ac.za

CV: BSc, BSc. Hons (MEDUNSA)

Position: Technical Officer

Teaching: ECP II; Practical

6.Name: Selepe LT

Title: Mr

Contact: Tel +27 12 521 5749; Fax +2712 521 3095

Email: lesego.selepe@smu.ac.za

CV: BSc, BSc. Hons (UL)

Position: Contract Junior Lecturer

Teaching: Thermodynamics and Statistical Mechanics; Solid State

Physics; Practical

3	ACADEMIC PROGRAMMES: UNDER-GRADUATES AND POST-GRADUATES(DEGREE PROGRAMME,DURATION,ADMISSION REQUIREMENTS,POSSIBLE CAREER OPPORTUNITIES	<p><u>Under-Graduate</u> <u>BSc ECP</u> Duration: minimum 4 years Admission Requirements: Grade 12 Mathematics minimum level 3, Physical Sciences minimum level 4.</p> <p><u>BSc</u> Duration: minimum 3 years • Admission Requirements: Grade 12 Physical Sciences minimum level 4, Mathematics minimum Level 4.</p> <p><u>Post-Graduate</u> <u>BSc Hons in Physics</u> Duration: minimum 1 year Admission Requirements: at least 60% average of 3rd year physics modules or equivalent</p> <p><u>MSc in Physics</u> Duration: minimum 2 years Admission Requirements: at least 60% average at BSc Hons in Physics modules or equivalent</p> <p><u>PhD in Physics</u> Duration: minimum 2 years Admission Requirements: at least 60% average at MSc in Physics</p>
4	SUPPORT STAFF (PREFERABLY ADMINISTRATION STAFF)	Name: Maimela NL Title: Ms Contact: Tel +27 12 521 5749; Fax +2712 521 3095

		Email: lydia.maimela@smu.ac.za Position: Secretary
5	STUDENT CLINICAL TRAINING's TIME TABLE	Laboratory Training ECP I, Monday, 14H00-17H00 ECP II, Tuesday, 07h45-10H40 Physics I, Wednesday, 14H00-17H00 Physics II, Thursday, 12H15-17H00 Physics III, Friday, 12H15-17H00
6	ALUMNI (FORMER BEST STUDENT)	Adams CM 9665234 Rapakgadi J 200586572 Dumela K 200515686 Setlhapelo EM 200112663 Mahlangu KWS 200603328 Makhubela VS 19444289 Mkhize TD 200727549 Ngulube MIN 200724236 Thabethe TT 200813422 Lehobye MF 19177884 Maponya DM 200908966 Ngema NPP 200700141 Ratlhagane CR 200727631 Sebotsa T 201015285 Selepe LT 200908062 Mapadimeng MJ 200810651 Rambevha TR 201009323 Thlathla ME 200908239
7	PROFESSIONAL BODIES THAT THE DEPARTMENT IS REGISTERED WITH	South African Institute of Physics (SAIP)
8	LATEST RESEARCH OUTPUT	None

9	CAREER OPPOTUNITIES	Field of Physics are in: Education, Nuclear Physics, Radiation Physics, Theoretical Physics, Research Institutions, Acoustics, Astronomy, Astrophysics, Medical Physics, Geophysics, Vacuum Science, Thin film technology, etc.
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