

Study Guide

2021

**Bachelor of Science with Honours Medical Virology -
HonsBSc (Medical Virology)**

Module Code 43745-778



UNIVERSITEIT • STELLENBOSCH • UNIVERSITY
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INTRODUCTION TO THE FACULTY OF MEDICINE AND HEALTH SCIENCES, UNIVERSITY OF STELLENBOSCH

1. FACULTY OF MEDICINE AND HEALTH SCIENCES (FMHS)

<http://www.sun.ac.za/english/faculty/healthsciences/>

a) Vision

To be the leading research-intensive health sciences faculty in and for Africa.

b) Mission

We lead by facilitating transformative, life-long learning; creating, sharing and translating knowledge that enhances health and health equity; and co-creating value with and for the communities we serve.

c) Values

Our decisions and actions are guided by the following values, abbreviated as ICARE2:



d) Strategy

Stellenbosch University's Faculty of Medicine and Health Sciences (FMHS) has been synonymous with excellence in medical and health sciences education and research in South Africa since 1956.

Situated at the feet of Cape Town's Tygerberg Hills, we aspire to be a vital community of students, learners, teachers, researchers, clinicians and other staff committed to developing future health professionals who, through innovation and leadership will promote health, prevent disease and provide optimal healthcare.

Together, we are committed to and passionate about attaining excellence, facilitating transformative learning and teaching in the health sciences, engaging meaningfully with the communities we serve and conducting world-class research with measurable impact.

e) Strategic focus areas

In the FMHS strategy, the SU strategic themes have been converted into six strategic focus areas.

The Faculty's strategy is directly aligned with the six core themes of the institutional strategy, known as Vision 2040 & Strategic Framework: 2019 – 2024. These include:

1	Strategic Focus Area 1 Focus on systemic sustainability and cultivating innovation – leading by example as a thriving faculty.
2	Strategic Focus Area 2 Facilitating a transformative educational experience that prepares our graduates to excel and lead.
3	Strategic Focus Area 3 Reciprocal partnerships and networks – enhancing inclusive stakeholder engagement.
4	Strategic Focus Area 4 Networked and collaborative learning communities – promoting a learning-centred paradigm.
5	Strategic Focus Area 5 World-class research for impact – growing our reputation of research excellence aligned with the major health challenges on the continent.
6	Strategic Focus Area 6 Belonging – fostering a people-centred faculty culture in pursuit of becoming a health sciences faculty of choice.

2. DEPARTMENT OF PATHOLOGY

<http://www.sun.ac.za/english/faculty/healthsciences/pathology/Pages/default.aspx>

a) Vision for the Department of Pathology at the University of Stellenbosch and NHLS Tygerberg:

The Department provides excellent teaching, training, research and service in pathology.

b) Mission for the Department of Pathology at the University of Stellenbosch and NHLS Tygerberg:

- Provide excellent teaching and training in pathology.
- Conduct relevant and sustainable research of the highest quality.
- Support and provide value-added quality pathology services.
- Collaborate in close partnership with other academic institutions, the community, and the pathology service platform at a regional and national level.
- Promote diversity at all levels

The amalgamation of the respective pathology departments of pathology in January 2006 lead to the establishment of the Department of Pathology.

c) History

The National Health Laboratory Services (NHLS), established in 2000, provides the service- and training platform for all the pathology disciplines with the exception of Forensic Pathology that resorts under the Provincial Government of the Western Cape and Tygerberg Hospital. Dr John Simpson was the first NHLS Business Manager at Tygerberg. The past few years saw major improvements to the infrastructure and efficiency of the pathology laboratories at Tygerberg Hospital. A modern, well-equipped and integrated core laboratory caters for the majority of the routine diagnostic services, while specialised laboratories offer more sophisticated and advanced tests and facilities that complement the research and training platform. Since the establishment of the Department, major restructuring of the managerial structures aligned the academic activities between the various divisions according to lines of business related to research, education, finances, and service and community interaction.

3. DIVISION OF MEDICAL VIROLOGY

http://www.sun.ac.za/english/faculty/healthsciences/virology/Pages/Medical_Virology.aspx

The Division delivers a comprehensive, state-of-the-art, SANAS-accredited diagnostic virology service, which includes virus isolation as well as molecular and serological assays. It trains both under- and postgraduate students and conducts competitive research on a number of themes with numerous national and international collaborations.

a) Virology Personnel Chart

Title & Name	Highest Qualification	Position	Contact Details
Prof Wolfgang Preiser	Dr. med. habil.	Head of Division (HOD)	Tel: 021 938 9353 preiser@sun.ac.za
Mrs Sal van Zyl	ND Medical Secretarial	Secretary: Division of Medical Virology; Secretary: Virology Postgraduate Programme Committee	Tel: 021 938 9354 Fax: 021 938 9361 sal@sun.ac.za
Prof Gert van Zyl	MMed, FC Path	Professor; Senior Lecturer; Pathologist / Virology Consultant	Tel: 021 938 9691 guvz@sun.ac.za
Prof Susan Engelbrecht	PhD	Associate Professor; Senior Lecturer; Chief Medical Scientist	Tel: 021 938 9357 susanen@sun.ac.za
Dr Corena de Beer	PhD	Chair: Virology Postgraduate Programme Committee; Senior Lecturer; Principal Medical Scientist	Tel: 021 938 9453 cdeb@sun.ac.za ; corena.debeer@nhls.ac.za
Dr Graeme Jacobs	PhD	Senior Lecturer; Researcher	Tel: 021 938 9744 graeme@sun.ac.za
Dr Nokwazi Nkosi	MMed, FCPATH	Pathologist / Virology Consultant	Tel: 021 938 9057 nokwazi.nkosi@nhls.ac.za ; nokwazi@sun.ac.za
Dr Annabel Enoch	MMed, FCPATH	Pathologist / Virology Consultant	Tel: 021 938 7036 annabel.enoch@nhls.ac.za ; annabelenoch@sun.ac.za
Dr Tongai Maponga	PhD	Junior Researcher	Tel: 021 938 9356 tongai@sun.ac.za
Ms Tania Stander	ND Med Tech (Virology)	Laboratory Manager	Tel: 021 938 9355 ts2@sun.ac.za ; tania.stander@nhls.ac.za

b) Research initiatives and projects

Research in the Division of Medical Virology includes a wide variety of viruses. HIV research areas include quantifying the HIV reservoir, describing genomic diversity and molecular epidemiology of HIV, immunological aspects of HIV infection relevant to development of vaccines and other novel immunotherapeutic approaches, and antiretroviral drug resistance.

Other research focuses include paediatric respiratory and other infections, opportunistic viral infections and viral diagnostics. Research is also done on other emerging and zoonotic viruses, such as Hepatitis, CMV, Hantaviruses, etc.

c) Diagnostic service (NHLS)

The diagnostic laboratory offers a large repertoire of virological laboratory tests including virus isolation, serology and state-of-the-art nucleic acid detection. The SANAS-accredited (since July 2002; currently according to ISO 15198) diagnostic section is part of NHLS Tygerberg and serves Tygerberg Hospital and its referral area in the Western Cape Province. It takes part in four quality assessment schemes, run by NEQAS, QCMD, VQA, and DBS. It is also the provincial testing laboratory for the approximately 10 000 samples tested annually as part of the HIV and syphilis antenatal survey.

d) Undergraduate teaching and training

The Division is involved with lectures and practical sessions for MBChB students, the M.Phil in Cancer Lecture series, as well as lectures to Natural Health Science students from the University of the Western Cape. In addition to the module on Essentials of Disease Processes, consultants also lecture in clinical

modules in the 3rd, 4th and 5th years of the MBChB programme. The Division is involved with a practical module in the 4th year where students visit the laboratories and perform case studies that involve all the pathology disciplines.

Members of the Division are coordinators and organisers of the comprehensive Infections and Immunology module of the MBChB programme at Stellenbosch University.

e) Postgraduate teaching and training in Medical Virology

The Division of Medical Virology conducts postgraduate training for registrars (MMed students) in Medical Virology, Medical Microbiology and Clinical Pathology. It also offers HonsBSc, MSc and PhD postgraduate degrees in Medical Virology.

It further trains student intern medical technologists and has been accredited by the HPCSA for Intern Medical Scientist training.

f) Facilities and equipment for postgraduate science student training

Facilities in the division include:

- **Library:** The Virology library (room 8070) holds some textbooks and journals. For material not available here, please check the Health Sciences Library.
- **Seminar room:** All divisional meetings, seminars, tutorials, etc, are held in the seminar room (room 8079) unless otherwise indicated. The seminar room is equipped with a computer and a data projector for presentations.
- **Student offices:** Postgraduate science students are accommodated as far as possible in offices with basic computer facilities. A SafeCom printer is available in the Division.
- A kitchen and tearoom are available to all Virology staff and students.
- The Division of Medical Virology is fitted with modern laboratory facilities (Immunology Laboratory, Tissue culture laboratory, Main Molecular Laboratory, Molecular Laboratory, Biosafety Level 3 Laboratory [restricted area], etc). These are equipped with modern laboratory equipment, such as PCR cyclers, real-time PCR cyclers, ABI sequencers, etc. Other equipment is available in the diagnostic section.

g) The Virology postgraduate programme committee

The Virology postgraduate programme committee consists of:

- a chairperson (currently Dr C de Beer)
- a secretary (currently Mrs S van Zyl)
- a student representative
- other senior members of the division (see personnel chart)

4. BACHELOR OF SCIENCE WITH HONOURS IN MEDICAL VIROLOGY DEGREE

a) Overview

The course is in consistence with the HEQC's Programme Accreditation criteria and has been approved and re-accredited at all required levels within the university.

The programme will be presented in English and/or Afrikaans. All lectures will be in English, but tests and exam papers may also be answered in Afrikaans.

➤ Name of programme

Bachelor of Science with Honours in Medical Virology / HonsBSc (Medical Virology) - Code 43745-778

➤ **Specific admission requirements**

Applicants must be in their final year BSc or have recently obtained a BSc degree with majors in Microbiology, Biochemistry, Genetics, or a similar field of study. The average percentage for both June and December examinations should be greater than 60%.

BTech degrees will be considered on condition that the candidate fulfils all the requirements defined by the University as stipulated in the yearbook. There is no set number of students that will be accepted and will depend on the availability of projects and funding.

Final acceptance is subject to achieving an average of 60% or higher in the final (November) exams.

➤ **Application procedure and closing date**

Apply online at www.maties.com by **30 September** of the previous year. Applications for prospective international students close on **31 August**.

The Programme Committee compiles a shortlist of final year candidates with an average of 60% in the June examinations and invites a select number of candidates for an informal meeting in October/November. Successful candidates must also obtain an average of 60% or higher in the final-year examinations to be admitted to the programme.

Only a limited number of students can be admitted to the programme. If you fail to meet these criteria, you will automatically be disqualified.

➤ **Aims of the programme**

- i. To train selected students to work and think independently as health scientists, researchers and academics in the South African context.
- ii. To provide specialised subject knowledge within the field of Medical Virology. This includes the development of a solid theoretical knowledge and experimental skills required to work creatively on a defined research project.
- iii. To offer specialised study for postgraduate students to provide the necessary basis to proceed to Masters and Doctoral degrees or to enter the job market directly.
- iv. To address the urgent need for thoroughly qualified health scientists to ensure South Africa's long-term competency in the fields of Health Sciences training and research at a tertiary and trendsetting level, and to exploit new opportunities as they emerge.
- v. To develop a culture of continuous staff training, as all departmental and divisional staff members are encouraged to actively participate in and contribute to this course.
- vi. To provide a platform for Intern Scientist training as required by the HPCSA. HonsBSc graduates who wish to pursue a career as a medical scientist in Medical Virology can apply for the limited number of Intern Scientist positions available and complete the training if successful. Alternatively, students can register for an MSc degree upon successful completion of the HonsBSc (Medical Virology) degree.

➤ **Programme description**

The programme forms part of continued efforts to create a learning culture for students and researchers capable of making a significant contribution to the field of Pathology in general.

Faculty: Health Sciences

Department: Pathology

Division: Medical Virology

Type of programme: Theoretical and practical; 1 year

NQF level: 7

Qualification type: H

Qualification sub-type: Scientiae (Sc)

Qualification specification: Medical Sciences (Medical Virology)

➤ **Course code and credits**

Module code: 43745-778 (120 credits)

➤ **Programme content**

Theory of Medical Virology	771(60)
Research Portfolio	772(60)

➤ **Module details**

Name of module: **Theory of Medical Virology**

Department / Division offering module: Pathology / Medical Virology

Time period: yearly

Code: 11119-771

NQF level: 7

Language: Mainly English / Bilingual

Compulsory, Credits: 60

Name of module: **Research Portfolio**

Department / Division offering module: Pathology / Medical Virology

Time period: yearly

Code: 11119-772

NQF level: 7

Language: Mainly English / Bilingual

Compulsory, Credits: 60

➤ **Assessment and examination**

- i. Theoretical Module (60 Credits / 50%) – 11129-771
Lecture blocks in Research Methodology, Molecular Pathology, Medical Microbiology, Medical Virology and Immunology.
 - Seminars 6 credits
 - Block tests (5 tests) 24 credits
 - Final Examination (2 written papers) 24 credits
 - Oral examination 6 credits
- ii. Research Portfolio (60 Credits / 50%) – 11119-772
 - Assignments 12 credits
 - Research project workbook 6 credits
 - Mini-thesis 42 credits

➤ **Completion of the course**

Students need to pass both modules (>50%). If a student obtains between 45-49% in either module, provision may be made to repeat the failed module or parts thereof. If a student obtains less than 45% in either module, or between 45-49% for both modules, no degree will be awarded unless proof of exceptional circumstances is provided and submitted to the divisional postgraduate programme committee for consideration. A student achieving >75% overall will graduate *cum laude*.

Any student who wishes to proceed to an MSc (Medical Virology), need to obtain an average of at least 60% for the course.

b) Specific details

➤ **Timelines (provisional dates and may change if circumstances warrant)**

- i. 1 February 2021: Report to Medical Virology and commencement of program
Welcome / Orientation / Induction
Portfolios, SOPs, Student Cards and Registration
Application for Bursaries / Selection of Research Projects / Meeting supervisor(s)
Setting up network profiles and general administration

- ii. 1-16 February 2021: Lecture Block 1 (Research Methodology)
Practicals and assignments
Block Test
- iii. 17 February – 5 March 2021: Lecture Block 2 (Molecular Pathology)
Practicals and assignments
Block Test
- iv. 8 March – 1 April 2021: Lecture Block 3 (Medical Microbiology)
Practicals and assignments
Block Test
- v. 6-30 April 2021: Lecture Block 4 (Medical Virology)
Practicals and assignments
Block Test
- vi. 8-21 May 2021: Lecture Block 5 (Immunology)
Practicals and assignments
Block Test
- vii. June – July 2021: Present Journal Club and other seminars
Start Research Project
- viii. October 2021: Final Exam (2 papers, 3 hours each)
 - ix. November 2021: Final internal presentation of Research Project
Submission of Mini Thesis
Project Presentation – External examiner

Most activities are organised at fixed times (lectures, tutorials, laboratory skills rotation, etc) and some have a fixed deadline (assignments, tests, etc). You need to be able to manage the various activities yourself. You are expected to attend specific lectures and meetings in the Division. On Tuesday mornings, there is a Division meeting, which is followed by a lecture of general interest and attended by all diagnostic and research staff. Wednesday mornings are reserved for Research meetings, which are mainly attended by research staff and students. Student Journal Clubs and Seminars will be presented at different times with only fellow HonsBSc students and supervisors, but you will be expected to present your final research project during a Wednesday Research Meeting slot during October / November for the rest of the Virology researchers and students. Special lectures are often organised on short notice and you will be informed about it.

Stellenbosch University mid-year holidays apply in general, but this must be agreed with your project supervisor. You need to fill in leave forms and let your supervisor AND the secretary know if you are sick and will not be in the office. You furthermore need to indicate your presence / absence on the board at the front door. In the case of an unanticipated absence, you must inform either the secretary, the supervisor, and/ or the course coordinator telephonically or by text message. You are expected to be in the Division from 08:00 until 15:30 every working day.

➤ **Lecture Blocks**

The following Block Lectures will be presented: (i) Research Methodology; (ii) Molecular Pathology; (iii) Medical Microbiology; (iv) Medical Virology; and (v) Immunology. The lectures will provide you with knowledge of basic work and research environment procedures and documents of the Medical Virology environment. You will have access to the division during normal working hours. The facilities in GERGA and library on 3rd floor can also be used after hours. You should adhere to all other general divisional rules and regulations at all times.

Specific knowledge that you will require to pursue a career in science will be presented to you in the form of formal and informal lectures and group discussions.

Outcomes:

- Have a sound knowledge of all relevant matters pertaining to a laboratory environment in general and those specific to the Division in Virology, Tygerberg
- To build sound theoretical knowledge in Research Methodology, Medical Microbiology, General and Diagnostic Virology, Molecular Pathology and Immunology
- Be able to apply theoretical knowledge to practical research activities
- Be able to interpret research results and discuss the implication thereof in specific fields
- Be able to work safely and efficiently

Activities:

- Familiarisation with SANAS accreditation activities, as well as general safety and evacuation procedures with fire drills at least twice per year
- Attend lectures as per timetable
- Prepare and submit practical and written assignments
- Review literature and develop insight into the principles and application of Medical Virology
- Attend and participate in divisional meetings: division meetings, research meetings, journal clubs - *compulsory*
- Attend and participate in non-departmental activities, such as the Immunology Learning Group discussions, meetings of the Experimental Biology Group, Pathology Research Days and Faculty of Health Sciences Annual Academic Days - *optional*

Recommended textbooks:

- Korsman SNJ, Van Zyl GU, Nutt L, Andersson MI, Preiser W (eds): Virology, an illustrated colour text. 2012. Churchill Livingstone Elsevier.
- Abbas AK, Lichtman AH, Pillai S (eds): Cellular and molecular immunology, 7th Edition. 2012. Elsevier Saunders
- L Collier & J Oxford: Human Virology 3rd Edition. 2006 Oxford University Press (available from the library)
- AJ Zuckerman, JE Banatvala, BD Schoub, PD Griffiths & P Mortimer (eds): Principles and Practice of Clinical Virology, 6th Edition. 2009 John Wiley & Sons Ltd (available as hard copy and e-book from the library)
- A number of additional ebooks are available from the Stellenbosch University library:
<http://library.sun.ac.za/English/search/Pages/e-books.aspx>

Assessment:

- Written and practical assignments
- Seminars
- Block Tests at the completion of each Lecture Block
- Final written and oral examinations

➤ **Continuous training and small group discussions**

Outcomes:

Obtain knowledge in topics relevant to the course, such as (but not limited to):

- Biosafety
- Calculations and concentrations
- General Lab Techniques (including Pipetting and pipette maintenance)
- Scientific reading and writing

- Literature searches
- Referencing
- General principles of ethics
- Good laboratory practice

Activities:

- Attendance of lectures
- Review literature and develop insight into the principles and application of prescribed topics
- Self-study or small group study
- Capture all activities in a personal portfolio

Assessment:

- Block Tests at the completion of the Lecture Block

➤ **Assignments and Seminars**

Outcomes:

- Review literature and understand the principles and application of specific research topics
- Develop written and oral presentation skills
- Learn to structure content: introduction, materials & methods, results, discussion, conclusion
- Define scientific concepts: e.g. develop logical arguments, answer questions, etc
- Develop scientific language and presentation: e.g. presentation skills, explaining results, etc
- Assure quality and professionalism of presentation
- Learn computer skills necessary for written and oral presentation
- Understand the concept of plagiarism and how to avoid plagiarism

Activities:

- Presenting seminars (General topics; Project-specific; Journal clubs)
- Written assignments (General topics, Project-specific)

Assessment:

- Various lecturers will mark each assignment and the average mark will be used.

➤ **Practical research project and Mini-thesis**

You will be introduced to the different available HonsBSc projects during February and you have to choose a project and supervisor(s).

Objectives:

Develop the skills necessary to perform independent research on a research project and present your results and interpretation in the form of a Mini-thesis.

Outcomes:

- Learn the practical skills and understand the techniques required for your selected research project
- Learn to independently apply these skills / techniques
- Learn to troubleshoot methods if necessary
- Learn how to manage time and plan experiments
- Learn to focus in order to answer the initial research hypothesis
- Learn to evaluate and present results

- Review literature and develop insight into the principles and application of the research topic
- Learn to write up the results of a research project
- Learn to present and discuss results of a research project in a form of a seminar

Activities:

- Regular laboratory work under the guidance of the supervisor or nominated trainer(s)
- Regular meetings with the supervisor
- Attendance of laboratory meetings and progress updates
- Writing of a mini-thesis according to instructions
- Oral presentation and discussion of research results

Assessment:

- The mini-thesis will be marked by two lecturers / scientists that were not involved in the study and the average of the two marks will contribute 35% towards the final mark for the Practical Module.
- Write-up of a mini-thesis according to specific guidelines. Weighting of the different sections of the mini-thesis will be as follows:

➤ Abstract	5%
➤ Introduction	15%
➤ Materials and Methods	20%
➤ Results	20%
➤ Discussion and Conclusion	20%
➤ References	10%
➤ General Layout and Impression	10%

- Instructions for the mini-thesis are provided with your orientation portfolio and forms.

➤ **Final examination**

The final examination comprises 2 written papers of 120 marks each (3 hours per paper). Questions will cover all the theory from the Lecture Blocks, as well as additional academic meetings during the year. The exam paper is evaluated by an internal moderator, as well as an external moderator. Exam papers will be in both English and Afrikaans and the student may answer in English or Afrikaans. Sick certificates have to be provided for non-attendance and the postgraduate programme committee will decide on a course of action in such cases.

No electronic devices (such as smart phones or tablets) are allowed in the examination hall. The use of calculators will be indicated on the exam paper. Deliberate misconduct or cheating will be discussed by the postgraduate programme committee with a view to imposing adequate sanctions as per University regulations.

Examiners include a panel consisting of an external examiner and other members of the postgraduate programme committee.

5. IMPORTANT LINKS AND FACILITIES

a) Postgraduate Office (for Hons and Structured MSc Programmes)

Postgraduate office Tygerberg handles all postgraduate activities. They offer:

- academic information,
- arrange interaction between students,
- serve as a link between students and supervisors,
- provide students with skills development opportunities (capacity building),
- provide research advice,

- provide information regarding bursaries and funding opportunities,
- assist new postgraduate students,
- promote interaction between divisions

They provide support and guidance to existing, as well as prospective postgraduate students with specific focus on efficient administration, social wellbeing, skills development and attention to all related academic matters in order to ensure the success of students.

Contact Details:

HonsBSc & Structured MSc:

Ms Vanessa Joseph
Faculty Officer
Tel: +27 21 938 9235
Email: vbj@sun.ac.za

Full thesis MSc:

Ms Nicoline Cockrell
Doctoral Office Admin Officer
Tel: +27 21 938 9811
Email:
nicolinecockrell@sun.ac.za

Doctoral studies:

Dr Jyothi Chabilall
Head: Doctoral Office
Tel: +27 21 938 9708
Email: chabilallj@sun.ac.za

b) Office for International Liaison / Elective Studies

Coordinator: Postgraduate International Students; International Visitors

Ms Shanlynn Timm

International Postgraduate Student Coordinator

Tel: +27 21 938 9086
E-mail: stimm@sun.ac.za

c) Computer users area (GERGA / MEDCA)

<http://rga.sun.ac.za/gerga/>

The Faculty of Medicine and Health Sciences ensures that its students and staff have access to the most recent and relevant information technology. The Computer Users Area on the Tygerberg Campus is situated on the 3rd floor of the Teaching Block.

d) Health Sciences Library

<http://library.sun.ac.za/en-za/Libraries/healthsciences/Pages/default.aspx>

The Health Sciences Library is one of the 6 branch and satellite libraries of the US Library Service. It serves the Faculty of Medicine and Health Sciences and is situated on the 3rd floor of the Clinical building at the Tygerberg campus.

Tel.: +27 (0) 21 938 9368 (General enquiries)
Fax: +27 (0) 21 933 7693
E-mail: healthinfo@sun.ac.za

e) Campus Health Service / Injuries on Duty

Tygerberg Campus Health Service is located at Room 3035 of the Tygerberg Student Centre and is responsible for the medical treatment of all injuries on duty (IOD) cases.

Tel (office hours): 021 938 9353 / 021 938 9590

Guideline for IOD during office hours (08:00 – 17:00):

Light Injuries: Report to your supervisor; First Aid management within the Division

Less serious injuries: Report to your supervisor; Management by Campus Health Service

Serious injuries: Report to your supervisor;
Arrangements for ambulance for transport to Louis Leipoldt Hospital, Bellville
(Tel 10177 or ER 084 124)
Contact Sister at Camus Health Services (021 938 9053 or 021 938 9590)
Report IOD to the Remuneration Division (021 808 4552)

Guidelines for IOD after hours (17:00 – 08:00):

All injuries: Report all injuries to Risk and Protection Services, Room 0044, Education Block (021 938 9507)

Refer all injuries requiring medical assistance to Louis Leipoldt Hospital Emergencies (021 949 3681).

f) Centre for Student Counselling and Development (CSCD) - 24-HOUR CRISIS SERVICE:

Stellenbosch Campus: 082 557 0880 or 021 808 8858

Tygerberg Campus: 082 557 0881 or 021 938 9591

E-mail: cdc@sun.ac.za or lwnorval@sun.ac.za

Tygerberg Student Centre, 2nd Floor, Room 3035

For more information visit www.sun.ac.za/cscd.

Stellenbosch University provides an efficient and comprehensive health service to students. The Tygerberg Campus Health Services are situated at the Student Centre in relative privacy on the 2nd floor of the building. The service consists of a nurse practitioner, physicians and clinical psychologist. An arrangement exists for referral to the Faculty's Division of Physiotherapy at set tariffs.

All students can be seen free of charge by the nursing sister for primary health care services, mainly consisting of diagnosing and treating medical conditions, family planning, immunisation, needle prick injuries, travel requirements, and HIV testing and counselling.

When required, patients are referred to the doctor who is present for 2 hours every day. Patients seen at the dispensing practice by the doctor are billed at the tariffs set by the Board of Health Care Funders. Students are not discouraged from using the services if funding is not available.

The Centre for Student Counselling and Development offers free and confidential support services to students at Tygerberg Campus. Clinical as well as educational psychologists assist students with academic as well as emotional support. The services include individual and group therapy sessions; social work services and a variety of works sessions.

g) Academic support

Students at the Faculty of Medicine and Health Sciences enjoy a comprehensive student-centred support system consisting of, among others, the First-year Academy, tutor and mentor support by senior students, and the ResEd (Residence Education) initiative. An experienced team of academics and support staff keeps an eye and hand on the academic progress and general well-being of all our students.

h) Risk Management and Campus Security

Risk Management and Campus Security is a service division of the university whose primary responsibility it is to assist in ensuring a safe campus for the students and staff of and visitors to the Stellenbosch University.

The following accompaniment service is available between Campus, Tygerberg Hospital and Kerkenberg from 18:00 to 24:00:

- A security guard of Tygerberg Hospital will patrol the western thoroughfare between the Hospital and the Faculty.
- A security guard of Tygerberg Hospital will accompany students or staff between the Hospital (Entrance 1) and the Tygerberg Student Centre turnstile or the Kerkenberg gate.
- Stellenbosch University Campus Security will accompany students or staff to the Tygerberg Student Centre turnstile on request, after which the security guard of Tygerberg Hospital will take over and accompany the student or staff member to Entrance 1.

Phone the following numbers for accompaniment:

- Tygerberg Hospital Security for accompaniment on the TBH-premises
Tel: 021 938 5088/5165 (5088 or 5165 in hospital)

- SU Campus Security for accompaniment on the SU campus.
Tel: 021 938 9507/8

Please wear your student card visibly at all times. This arrangement applies to Tygerberg Hospital and the SU campus.

i) Emergency Telephone numbers:

Tygerberg Campus:

Security 021 938 9507
 Campus Health Services 021 938 9053/9591
 Crises Services 082 557 0880

Emergency Services:

Ambulance: 10177
 Netcare: 082 418 58
 Flying Squad: 10111
 Emergency Contraception: 021 938 9433
 Toll free number: 080 024 6432

Tygerberg Hospital:

Switch Board: 021 938 4911
 Control Room: 021 938 6666
 Patient Enquiries: 021 938 4785
 Security: 021 938 5165/5088
 Key Room: 021 938 5346
 Traffic: 021 938 6077
Police:
 Parow: 021 929 7000
 Sector 7: 082 411 2692
 Bellville: 021 918 3000; 021 950 1300

j) General Student Guidance and Support



MAP: Student Support at the Tygerberg Campus



Need	Support				
Academic needs					
Notes are unclear or unavailable. Language (in the classroom or of notes) is a problem for me. I experience problems with the lecturer.			Relevant lecturer Relevant module chairperson Phase Chairperson: Theory Modules Phase Chairperson: Clinical Rotations Programme Coordinator Programme coordinator (Occupational Therapy, Speech-Language and Hearing Therapy 1 – IV) Academic Advisor/ Programme Coordinator (Physiotherapy 1 – IV) Dietetics Year Coordinator (Dietetics 1 – IV) Coordinator: Extended Degree Programme (EDP) Clinical Progress Facilitator (MB, CHB 1 – VI)		
I struggle with specific concepts or module content. I don't understand the work. I don't know how to study for a specific module (subject).	Relevant lecturer	Tutor-Mentor Subject-specific Tutor	Head Mentut: Tutor-mentor Programme	Student Coordinator: Tutor-mentor Programme	
I generally struggle with study methods. I generally struggle with time management/prioritising. I am not happy with my academic performance.	Tutor-Mentor/ Subject-specific Tutor	Centre for Student Counseling and Development(CSCD): Courses in group context Individual sessions with educational psychologist			
I am worried about my clinical examination skills/technical skills.	Clinical Skills Centre (CSC)	Relevant consultant/module chairperson		Clinical Progress Facilitator	

- NB: If you are concerned about anybody with reference to the needs/problems listed above, please contact the appropriate person/division, as indicated.
- A description of every function listed above, as well as the relevant contact details, are attached in alphabetical order.
- Any enquiries regarding student support at the Tygerberg Campus can be directed to the Manager Student Affairs: Khairoonisa Foflonker (tel: 021 938 9461 | e-mail tyg_studentsupport@sun.ac.za/ khairoonisa@sun.ac.za)

Psychological/emotional/social needs				
It is after-hours and I am experiencing an emotional crisis.				
I feel anxious, depressed, stressed, chronically tired and/or listless. I don't recognise myself/act out of character. I cry more than usual. I can't sleep. I can't concentrate. I feel lonely/isolated. I struggle to make friends. My eating habits have changed. I want to talk to someone about something that upset me in the clinical environment (hospital/clinic). I've experienced trauma (e.g. a hijacking or attack)	Be-Well Mentor (first years)/ Tutor-Mentor Programme coordinator: Occupational Therapy, Speech-Language and Hearing Therapy I – IV Academic Advisor/ Programme Coordinator: Physiotherapy I – IV Clinical Progress Facilitator (MIB, CHB I – VII) Coordinator: Extended Degree Programme (EDP)/ Dietetics Year Coordinator (Dietetics I – IV)	Campus Health Services(CHS)	CSCD (clinical psychologist) → Psychiatrist (psychologist will refer if necessary)	
		Campus Health Services(CHS)	Equality Unit	CSCD (clinical psychologist/ social worker) → Psychiatrist (psychologist will refer if necessary)
		Campus Health Services(CHS)		CSCD (clinical psychologist) → Psychiatrist (psychologist will refer if necessary)
		CSCD (social worker)		Bursary Office
I have problems at home. I am being abused physically/psychologically/sexually.				
I am dependant on alcohol or other substances.				
I don't have money for food, toiletries or other necessities.				

24-hour crisis line: 082 557 0890
CCO: 021 938 9590

Consult Protocol for dealing with students with alleged substance abuse

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Health needs			
I am ill.	CHS (nursing sister/doctor)		
I am ill and will be missing obligatory classes/practicals/clinical rotations.	CHS (doctor)	Office of the Deputy Registrar (Tygerberg Campus)	
I am ill and will be missing tests/exams.	CHS (doctor)	Examination Office	
I need immunisations.	CHS (nursing sister)		
I need contraception/condoms.			
I need contraception urgently (morning after pill).	Campus Health Services (CHS) (nursing sister/doctor)		
I am pregnant.			
I have obtained a needle stick injury.	CHS (nursing sister/doctor)	Occupational Health Ward C8 (A West), Tygerberg Hospital	
I (or someone else) have been exposed to poisonous material/ingested poison.	CHS	Poison Information Centre	
Administrative needs			
I don't have money and need financial support.	Bursary Officer		
I need accommodation.	Residence Placement Officer		
I want to register for my programme (academic course) or for a specific module (subject).	Faculty Administrator/Officer		
I want to discontinue my studies.	Coordinator: EDP / Clinical Progress Facilitator/ Programme Coordinator Student Support Coordinator (Tygerberg Campus)	Faculty Administrator	
I want to take modules in advance.	Examination Office	Office of the Deputy Registrar (Tygerberg Campus)	Faculty Administrator
I don't understand the promotion stipulations – what happens if I fail a module?	Examination Office	Student Support Office (Tygerberg Campus)	Office of the Deputy Registrar (Tygerberg Campus)

Ambulance: 101177
Campus Health Services: 021 938 9590
Tygerberg Hospital: 021 938 4911

Poison Information Centre: 0861 555 777

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I want my examination script to be remarked.	Examination Office			Consult: Stipulations for the re-evaluation of examination scripts
How are clinical groups allocated?	Office of the Deputy Registrar (Tygerberg Campus)/Programme Coordinator (Allied Health Sciences)			
I don't understand my timetable.	Office of the Deputy Registrar (Tygerberg Campus)/ Programme Coordinator (Allied Health Sciences)			
I don't understand the test or examination timetable.	Examination Office			
I will be missing one or more days of class/clinical rotations and need to apply for leave of absence.	Office of the Deputy Registrar (Tygerberg Campus)			Consult: Stipulations regarding leave of absence
I will be missing a test/exam and need to apply for leave of absence.	Examination Office			
I struggle to complete tests/exams in the designated time. / I need extra writing time.	CSCD	↕	Examination Office	
I may not continue with my studies and need to apply for readmission.	Coordinator: EDP Clinical Progress Facilitator Programme Coordinator (Allied Health Sciences)	CSCD	Student Support Office (Tygerberg Campus) Office of the Deputy Registrar (Tygerberg Campus)	Campus Security emergency number: 021 938 9507 Flying squad: 10111
How does graduation/oath taking work?	Office of the Deputy Registrar (Tygerberg Campus)			
How does the process for internship placements work?	SI- and HPCSA office			
How do I register with the HPCSA?	SI- and HPCSA office			
Security needs				
I or my possessions are in danger on campus.	Campus Security			
I or my possessions are in danger off campus.	Flying squad			
I or somebody I know is in a life-threatening situation.	24-hour crisis line: 082 557 0880		Campus Security	
I am concerned about a suspicious person/situation.	Campus Security			

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k) Map of Tygerberg Campus



TYGERBERGKAMPUSKAART

FAKULTEIT GENEESKUNDE EN GESONDHEIDSWETENSKAPPE

AKADEMIESE GEBOUE

- 1 Finas-gebou
- 2 Onderwysegebou
 - Simulasie- Eklinisiese Vaardighede-eenheid
 - GEEKCA (Rekenaarcentrum)
 - FOCV (biblioteek)
 - Lesinghalfe
- 3 Kliniese Geboue
 - Akademiese departemente
 - Sentrum vir Studietoelastings
 - Kasser

MANS-EN-VROEKOSHUISE

- 4 Huis Kerkenberg
- 5 Nuwe senior koshuis
- 6 Meerhoff
- 7 Huis Ovamu House
- 8 Hippokraties
- 9 Elektiewerstudentekoshuis

VROEKOSHUISE

- 10 Huis Francie van Zijl

SPORT & ONTSpanning

- 11 Tygerberg Studentesentrum (TSS)
 - Sporsaal
 - Kafeeteria
 - Gymnasium
 - Boekwinkel
- 12 Tygerbergstudenterraad (TSR)
 - Hippokraties-grapek
- 13 Sportgronde

- Ⓜ Hoofingang vanuit Francie van Zijl-rylaan
- P Parking
- ♿ Rolstoeltoegang

TYGERBERG CAMPUS MAP

FACTORY OF MEDICINE AND HEALTH SCIENCES

ACADEMIC BUILDINGS

- 1 Finas Building
- 2 Education Building
 - Simulation and Clinical Skills Unit
 - GEEKCA (Computer Centre)
 - PMHS Library
- 3 Clinical Building
 - Lecture halls
 - Academic departments
 - Centre for Student Administration
 - Cashier

MEN'S AND WOMEN'S RESIDENCES

- 4 Huis Kerkenberg
- 5 New senior residence
- 6 Meerhoff
- 7 Huis Ovamu House
- 8 Hippokraties
- 9 Elective Students' Residence

WOMEN'S RESIDENCE

- 10 Huis Francie van Zijl

SPORT & RECREATION

- 11 Tygerberg Student Centre
 - Sports Hall
 - Cafeteria
 - Gymnasium
 - Book Shop
- 12 Tygerberg Student Council (TSC)
- 13 Hippokraties Lawn
- 14 Sports Fields

- Ⓜ Main Entrance from Francie van Zijl Drive
- P Parking
- ♿ Wheelchair access