

INDEPENDENT CONTRACTORS (EXTERNAL MARKERS)

DEPARTMENT OF LIFE AND CONSUMER SCIENCES

SCHOOL OF AGRICULTURE AND LIFE SCIENCES

**COLLEGE OF AGRICULTURE AND ENVIRONMENTAL
SCIENCES**

UNIVERSITY OF SOUTH AFRICA

27x Markers

REF/CAES/LIFECONS/SMT 042024

Assessment is an integral part of curriculum development as outlined in the Curriculum Policy. During curriculum development, an assessment strategy is developed that is aligned to the ODeL Policy and strategy of UNISA. Assessment can have different focuses, namely to:

- improve the quality of students' learning experiences by focusing on significant knowledge, skills, attitudes and values, and providing motivation to work through the material through tasks and feedback, known as assessment for learning.
- b) focus on the ability to transfer knowledge to new contexts and to apply knowledge in specific contexts in line with the NQF level descriptors and other taxonomies of learning.
- c) focus on programmatic and graduate attributes and critical cross-field outcomes in assessment of learning.
- d) make academic judgements related to diagnostics, placements competence, progression and/or qualification completion; and as a feedback mechanism to improve curricula, known as assessment of learning; and to
- e) create opportunities for students to engage with the content, with their context, with the lecturer and with fellow students (**Unisa Assessment Policy, 2011**).

The Department of Educational Foundations is inviting suitable applicants for providing assessment services to be appointed as independent contractors (markers) on a yearly basis. The purpose of this positions is to appoint competent and suitable candidates to complete and execute assessment task professionally and ethically align to the Assessment Policy and Guidelines.

Requirements:

- Post-Specific Requirements for Modules in Biology, Botany, Zoology, Biomedical Science, Microbiology, Biochemistry, and Physiology:
Undergraduate qualification with Masters' degree (NQF9) and PhD (NQF10) in the appropriate discipline or equivalent in majoring in Biology/Botany/Zoology/Biochemistry/ Microbiology/Cell Biology/ Biochemistry and Physiology
- Post-Specific Requirements for Food and Nutrition Modules:
MSc (NQF9) and PhD (NQF10) or equivalent in the appropriate discipline Nutrition/Dietetics/Hospitality/Consumer Sciences (within a nutrition stream)

Post-Specific Requirements for Clothing and Textiles modules:

- MSc (NQF9) and PhD (NQF10) or equivalent in Clothing & Textile or related field.

Duties:

- Complete and execute assessment task professionally
- Comply and adhere to all Unisa tuition, assessment and examination and plagiarism policies and guidelines
- Act in the ethical and professional manner dealing with all assessment tasks
- Execute duties as stipulated in contract and task agreement
- Marking of assessment tasks fairly and consistently
- Meet deadlines of allocated assessment task
- Attend markers meeting and submit marking reports timeously
- Maintain confidentiality of all assessment tasks

Knowledge, skills and abilities

- Basic knowledge of the discipline applying for
- Basic knowledge of assessment and assessment practices
- Basic knowledge of marking and procedures
- Basic knowledge of constructive feedback on assessment tasks
- Basic knowledge of academic dishonesty and plagiarism
- Knowledge of teamwork/leadership skills
- Good interpersonal and communication skills (listening, speaking, reading and writing)
- Must be honest / ethical and show empathy when required to mark assessment tasks
- Must have good problem-solving and decision-making skills
- Must be service orientated (Actively looking for ways to help and support lecturer or students)
- Must have good time management skills
- Ability to resolve conflict and maintain confidentiality of all assessment tasks
- Ability to work under pressure with adherence to deadlines

Recommendations:

- Computer and Internet skills
- Have own desktop computer or laptop and internet connectivity (no computers or data bundles will be provided)
- Advanced communication skills and proficiency in English
- Digital literacy skills – competent in ICT and online learning environments
- Experience in online marking tools or software or LMS (Moodle will be an advantage)
- Commitment to marking and meeting deadlines for all assessments
- Friendly, patient, and sensitive to a diversity of students

To apply, please fill the application form by clicking this link <https://forms.office.com/r/T5jZEK8tY1> and submit the following documents via e-mail below:

- 1) An application letter indicating willingness to mark assignments and/or exam scripts for any of the modules listed below.
- 2) Comprehensive **UPDATED** and signed curriculum vitae (most recent)
- 3) Only a certified copy of the **HIGHEST** qualification as per requirement
- 4) Certified copy of ID/Passport and valid visa

Note: The required documents should be submitted as a single file (**one PDF**) to the email below

Email applications to the attention of caesmarkers@unisa.ac.za

Assumption of duty: The candidates will have to undergo an **interview (either face-to-face or Microsoft Teams)** and **online Moodle training sessions**. Completion of the prescribed training on various aspects of Marking on the Moodle platform is compulsory.

Closing date: 09 May 2024

Independent Contractor (MARKER) positions are available in the modules listed in the Department of Life and Consumer Sciences

MODULE CODE	MODULE NAME	Purpose of module	Name of Department/School etc.
Name of Qualification:			
BCH2601	Introductory Biochemistry	To enable students to understand the scope of biochemistry and to know the structure and functions of biomolecules i.e. carbohydrates, proteins, nucleic acids and lipids.	Life and Consumer Sciences
BCH2602	Bioenergetics	To enable students to understand the basic principles of bioenergetics and the metabolism of selected carbohydrates, lipids and amino acids.	Life and Consumer Sciences
BCH2603	Biopolymers of Heredity	At the end of this module, you will have an overview of the scope and range of biochemistry, as well as the structural and functional organization of organisms at a molecular level. You will have knowledge of the primary and higher-order structure of nucleic acids and the processes involved in the flow of genetic information in the biosphere (e.g. DNA, RNA and protein synthesis) as well as the principles of regulation of gene expression	Life and Consumer Sciences

BCH3701	Enzymology	The focus points of this course are general principles of enzyme functioning, enzyme kinetics and the role of enzymes in metabolism. These topics have great relevance for you as a student of natural sciences, as they will give you insight into the nature and role of enzymes in living systems. Our purpose is also to demonstrate to you how the properties of enzymes can be used for various applications in natural science and biotechnology.	Life and Consumer Sciences
BCH3702	Advanced Metabolism	In this module, more focus will be put into understanding metabolic disorders. You are now expected to understand how defects in metabolic pathways can lead to serious and fatal metabolic diseases.	Life and Consumer Sciences
BLG1501	Basic Biology	The purpose of this module is to introduce you to biology and its development as a life science. This guide will provide you with insight into the building blocks of biology and the links of these blocks. The role of cells in living organisms will be explored as well as the interrelatedness of biology and the various biological building blocks that are involved. This module is not a standalone – it forms an integral part of life science fields of study and, more specifically, undergraduate natural science (life sciences streams).	Life and Consumer Sciences
BLG1502	Animal and Plant Diversity	The purpose of this module is to acquaint students with basic biological principles of plant and animal diversity. This will enhance the knowledge and understanding, gain more insight about plant and animal diversity in terms of their evolution (both prokaryotes and eukaryotes), structural adaptations, various functions and mechanisms (both vertebrates and invertebrates) that ensure the survival of an organisms within a specified ecosystem. Study of diversity will motivate and guide students through observation of animal similarities, differences, and environmental adaptations.	Life and Consumer Sciences
BMI2601	CLINICAL BIOCHEMISTRY II	Qualifying students are able understand and apply the basic principles and theory relating to clinical biochemistry. The purpose of this module is to enable you, the individual learner, to identify and apply laboratory practices, processes and principles of medical biochemistry to solve clinical problems involving clinical biochemistry	Life and Consumer Sciences
BMI2602	Medical Epidemiology	Students who have completed this module successfully will be able to understand and apply the principles and theory relating to medical epidemiology, the discipline involved in the monitoring of disease outbreaks.	Life and Consumer Sciences
BMI2603	Medical Microbiology	Students who have completed this module successfully will be able to understand and apply the principles and theory relating to Medical microbiology, and particularly to features, diagnosis and treatment of specific human diseases.	Life and Consumer Sciences

BMI2604	MOLECULAR BIOLOGY	Students who have completed this module successfully will be able to to understand and apply the principles and theory relating to molecular biology.	Life and Consumer Sciences
BMI2605	Pharmacology	Qualifying students are able to know, understand and apply the principles and theory relating to pharmacology, the discipline involved in understanding drug design and action.	Life and Consumer Sciences
BMI2606	CLINICAL PATHOLOGY II	This introductory course deals with the fundamentals of pathology. We will be applying and adapting the disciplines of biochemistry, microbiology, molecular biology, physiology, immunology and genetics as foundation studies to investigate changes in human cells that affect various aspects of health and disease in humans. Qualifying students are able to know, understand and apply the basic principles and theory relating to clinical biochemistry/pathology. The purpose of this module is to enable you, the individual learner, to identify, apply and analyse laboratory investigations, practices, processes and principles of clinical pathology to solve clinical problems involving health and diseases.	Life and Consumer Sciences
BMI2607	IMMUNOLOGY	The purpose of this module is to give you a steppingstone towards your career in health sciences. Students who have completed this module successfully will be able to understand and apply the principles and theory relating to immunology.	Life and Consumer Sciences
BMI3702	BIOMEDICAL TECHNIQUES	Qualifying students are able to know, understand and apply the principles and theory relating to Biomedical techniques, the discipline involved in understanding the practical methods used to identify pathogens for diagnostic purposes, and to use basic as well as more sophisticated techniques to analyse macromolecules such as DNA, RNA and proteins.	Life and Consumer Sciences
BMI3704	Haematology	Qualifying students can know, understand and apply the basic principles and theory relating to Haematology. The purpose of this module is to enable you, the individual learner, to identify and apply laboratory practices, processes and principles of haematology to solve clinical problems involving blood.	Life and Consumer Sciences
BMI3705	VIROLOGY	Qualifying students learn, understand, and apply the principles and theory relating to virology. The purpose of this module is to enable you, the individual learner, to identify and apply practices, processes, and principles of virology to solve problems in health and disease	Life and Consumer Sciences

BMI3706	Zoonoses	The purpose of this module is to help students understand and apply the principles and theory relating to Zoonoses, and particularly to features, diagnosis, control and management of specific diseases that are spread between humans and animal species.	Life and Consumer Sciences
BMI3707	CLINICAL PATHOLOGY III	Qualifying students are able to know, understand and apply the basic principles and theory relating to systems pathology. The purpose of this module is to enable you, the individual learner, to identify and apply laboratory practices, processes and principles of pathology to solve clinical problems involving diseases.	Life and Consumer Sciences
BOT1501	Plant Structure: Cytology, Morphology and Anatomy	This module forms part of the BSc in Life Sciences. Students who complete this module can describe the structure and identify the functions of the primary and secondary plant body, normal and modified plant organs, and flowers, seeds and fruit. They can also explain the relationship between structures and functions. In addition, they can discuss a number of important concepts in plant science, including the importance of plants for life on earth, basic evolutionary theory, and the development of classification systems.	Life and Consumer Sciences
BOT2601	Plant Anatomy, Structure and Function	This module forms part of the BSc Life Sciences. Students who have completed this module successfully will be able to describe the structure and identify the functions of the primary and secondary plant body, normal and modified plant organs, and flowers, seeds and fruit. They can also explain the relationship between structures and functions. In addition, they can discuss several important concepts in plant science, including the importance of plants for life on earth, basic evolutionary theory, and the development of classification systems.	Life and Consumer Sciences
BOT2602	Flora of South Africa Systematics and Phytogeography	Students who have completed this module successfully will be able to describe the structure and identify the functions of the primary and secondary plant body, normal and modified plant organs, and flowers, seeds and fruit. They can also explain the relationship between structures and functions. In addition, they can discuss a number of important concepts in plant science, including the importance of plants for life on earth, basic evolutionary theory, and the development of classification systems.	Life and Consumer Sciences
BOT2605	Introduction to Medicinal Plants	Provide students with knowledge of medicinal plants. Equip students with skills to be able to work in medicinal plant laboratories. Equip students with skills to do conservation work and preserve biodiversity.	Life and Consumer Sciences
CLO1501	Clothing Construction Theory	Identify the different types of necklines, collars, sleeves, pockets, hems, fasteners, disposal of fullness, and seams used in basic clothing construction. Develop and demonstrate knowledge and understanding of the basic principles of introductory clothing construction. Make well-informed choices concerning the selection of patterns, notions, and processes to construct a garment.	Life and Consumer Sciences

CSP1501	Introduction to Applied Sciences	The purpose of the module is to enable you to identify and apply basic chemistry and physics principles in the interpretation of different sciences, including human nutrition, food processing and clothing and textiles. It will also enable you to identify various physiological systems and functions concerning the human body. Qualified students will have the basic knowledge to contribute to the promotion of basic lifestyle principles.	Life and Consumer Sciences
FIS1601	Anatomy and Physiology	Students who have completed this module successfully will be able to understand and apply the principles and theory relating to the structural features of human anatomy and the physiological functions of human cells, tissue, and organs. Knowledge of anatomy and physiology answers many of the questions as to how cells and organs in our bodies function, co-operate and remain healthy.	Life and Consumer Sciences
FIS2601	Digestion, Endocrine Control and Metabolism	The purpose of this module is to make you acquainted with the physiologic anatomy of the digestive tract. The different metabolic pathways will also be discussed. The different endocrine glands, their secretions and control will be explained.	Life and Consumer Sciences
FIS2602	RESPIRATION AND EXCRETION	The main purpose of this module is to provide insight knowledge on the structure, organization, and functioning of the respiratory and renal systems. Some pathophysiological conditions will be discussed.	Life and Consumer Sciences
FIS2603	PHYSIOLOGICAL DEFENCE MECHANISMS	The main purpose of this module is to acquaint you with the different components, functions and cells of the immune system. The effects of HIV and AIDS on the immune system will also be discussed. The physiological mechanisms used by the body to maintain haemostasis in the event of trauma and how the body can regulate its temperature to survive as well as aid in the fight against microbes.	Life and Consumer Sciences

FIS2604	PHYSIOLOGY II (PRACTICAL)	The purpose of this module is to ensure students are able to apply experimental techniques and methods in order to collect, process and interpret data in an understandable manner. Students should be able to acquire the skills needed to perform scientific presentations and make meaningful conclusions about the second-year physiology scope, which is covered in the practical sessions.	Life and Consumer Sciences
FIS3701	PHYSIOLOGY OF THE NERVOUS SYSTEM	The purpose of this module is to make you acquainted with the physiology of the nervous system. The organization and functional structures of the brain will be discussed.	Life and Consumer Sciences
FIS3702	CARDIOVASCULAR SYSTEM	The main purpose of the module is to make you acquainted with the cardiovascular system. The structure, organization, and control of the cardiovascular system will be discussed.	Life and Consumer Sciences
FIS3703	MEMBRANE AND EFFECTOR PHYSIOLOGY	The main purpose of the module is to provide insight knowledge on the membrane and action potentials in excitable tissues. The structure and functioning of the skeletal, smooth, and cardiac muscles will be discussed.	Life and Consumer Sciences
FIS3704	PHYSIOLOGY PRACTICAL	The purpose of this module is to ensure students are able to apply experimental techniques and methods in order to collect, process and interpret data in an understandable manner. Students 4 should be able to acquire the skills needed to perform scientific presentations and make meaningful conclusions about the third-year physiology scope, which is covered in the practical sessions.	Life and Consumer Sciences
FOO2613	Food Safety and Hygiene Practices	The purpose of this module is to develop the competencies required for the production of food that is safe for consumption.	Life and Consumer Sciences

HPM2601	Food Service Organisation and Management	Students who have completed this module successfully will be able to understand and apply basic food service operational principles used in the hospitality industry.	Life and Consumer Sciences
HPM2602	Meal Management	The study of meal and menu planning is intended to help you understand the menu as the most important planning tool in the food service operation. The study should provide you with a framework for planning, purchasing, servicing and controlling costs in any existing or new food service operation. After completing this module, you should understand and have developed the ability to apply meal management principles and skills in a food service operation.	Life and Consumer Sciences
HPS3703	Accommodation Operations	This module is part of Bachelor of Consumer Science- Hospitality Management stream. The purpose of this module is to provide knowledge and skills in Accommodation Operations. Those who achieve this module can demonstrate the concept of accommodation operations, design the organisational structure, role and responsibility of staff, and critically evaluate the safety and security of the accommodation operations and apply basic management principles.	Life and Consumer Sciences
MIB2601	Introductory Microbiology	The module will provide students with knowledge and understanding of Microbiology as a scientific discipline. On completing the module students will be able to describe the methodologies used by microbiologists for explaining the organisation and structure of prokaryotic and eukaryotic cells; to explain the fundamental principles and consequences of bacterial growth and reproduction; and to describe the control of microorganisms by means of physical methods and chemicals. Explain the meanings of basic terms and concepts in Microbiology and outline the development of Microbiology as a science and describe the scope and benefits of Microbiology as a discipline. Describe and distinguish between the working principles and use of different types of microscopes and laboratory techniques relevant to their use. Identify the nutrients which promote microbial growth and explain how they are taken up from the environment and describe microbial growth processes. The candidates should be able to identify, explain, and compare the physical and chemical measures used for microbial control.	Life and Consumer Sciences
MIB2602	Microbial Ecology	Qualifying students are able to know, understand and apply the principles and theory relating to interactions between microorganisms and their environment, be it terrestrial or aquatic.	Life and Consumer Sciences
MIB3701	Microbial Physiology	Qualifying students are able to know, understand and apply the principles and theory relating to microbial physiology, microbial utilization of nutrients and release of energy.	Life and Consumer Sciences

MIB3702	Advanced Microbial Genetics, Recombinant DNA Technology and Industrial Microbiology	Qualifying students understand and are able to apply aspects of microbiology including knowledge of microbial genetics, recombinant DNA technology and industrial microbiology. These subject areas are important practically, socially and ethically and it is important for you, the student, to acquaint yourself with the language of these subject areas and to then view them as to how they impact on individuals and on society in general.	Life and Consumer Sciences
MIB3703	Microbial Diversity	The purpose of this module is to gain insights into the extreme diversity of microbes and how microbial similarities allow us to group microorganisms and to study features common within these groups. Students who have completed this module successfully will be able to understand and apply the principles and theory relating to Microbial Diversity, in particular the morphological and physiological diversity, importance and distribution of eubacteria, Archaea, fungi and viruses.	Life and Consumer Sciences
NUT1501	Nutrition and Energy Yielding Nutrients	This module aims to deepen your knowledge of fundamental concepts in the field of nutrition. It will also enable you to classify and describe the characteristics and functions of different energy-yielding nutrients. With this knowledge, and by making use of the various food groupings and energy-yielding nutrients, you will be able to make sound nutritional recommendations.	Life and Consumer Sciences
NUT1602	Nutrients and nutrient deficiency diseases	Students who have completed this module successfully will be able to know, understand and apply the principles and theory necessary to promote sound nutritional practices in order to maintain good health. They should be able to demonstrate the ability to apply basic nutrition information as well as to recognise, identify and rectify nutrition deficiencies.	Life and Consumer Sciences
NUT2601	Nutritional Care	The purpose of the module is to enable you, the student, to gain knowledge of basic nutrition to explain the physiological processes involved in the digestive system and indicate how this influences nutritional status. You should also be able to use dietary standards for diet planning, assessment and analysis to evaluate the nutritional status of individuals and groups.	Life and Consumer Sciences
NUT2602	Pregnancy and Infant Nutrition	Pregnancy and Infant Nutrition deals with the nutritional requirements of women during pregnancy and lactation, as well as the nutritional requirements of infants until the age of one year. Students who complete this module can implement sound nutritional guidelines for pregnant and lactating women as well as for infants. This will enable them to contribute to the prevention of health complications during pregnancy, lactation and infancy	Life and Consumer Sciences

NUT3703	Nutrition and the Immune System	The purpose of the module is to enable the learner to comprehend the interaction between nutrition, immune function and immunity. Learners who complete this module should be able to apply nutrition principles and adapt nutrition recommendations to address factors affecting immune responses, such as HIV and AIDS, as well as the complications thereof. Qualified learners will contribute to the quality of life of the consumer.	Life and Consumer Sciences
ZOL1501	Animal Diversity I	This module is intended for students pursuing a career in the field of animal conservation, veterinary, marine science, ecology, genetics, and animal behaviour, including practitioners in the field of zoology. The purpose of this module is to enable students to develop a fundamental knowledge and applied competence in theoretical and technical processes underlying the identification and classification of organisms and animals of lower invertebrates	Life and Consumer Sciences
ZOL1502	Animal Diversity II	To provide society with science graduates who demonstrate initiative and responsibility. • To produce graduates to increase and transform the leadership base in South Africa, for innovation and science-based economic and research development, and for the education of future generations of scientists, technologists, and engineers.	Life and Consumer Sciences
ZOL2601	Comparative Animal Physiology	In this module, we deal with the physiology of animals on a comparative basis. Physiology is about the functions of living organisms such as respiration, feeding, digestion, transport of gases, circulation, excretion, movement etc. Physiology is also about how living organisms adjust to their environment and how they regulate and integrate all these functions into a smooth-functioning organism. During the first level modules, you have already dealt with the organ systems and physiology of a variety of animals at an elementary level. This knowledge is regarded as a prerequisite for this module.	Life and Consumer Sciences
ZOL2602	Cytogenetics and Embryology	This module aims to assist students to obtain basic knowledge on the transfer and expression of genetic material inside an animal cell, the transfer to offspring and the early embryonic development of Branchiostoma, Amphibia, Aves and Mammalia. The module consists of two subjects, namely Cytogenetics and Embryology.	Life and Consumer Sciences
ZOL3703	Applied Zoology	The main objective of this module is to make you acquainted with the variety of organisms that live as parasites, their vectors, and their way of living.	Life and Consumer Sciences

ZOL2603	Theory of Evolution	Evolution is central to Zoology and other life science disciplines. During the first level modules you were introduced to animal diversity focusing among others on similarities that could indicate evolutionary relatedness amongst animals. This knowledge is regarded as a prerequisite for this module.	Life and Consumer Sciences
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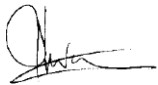
TM Masebe T.M

CoD: Dr TM Masebe



Lebelo.

School Director: Prof SL Lebelo



Executive Dean (Acting): Prof MM Ntwasa