School of Education

Schools Development Unit

Short Learning Programmes (SLPs) Available for In-Service Teachers

Short Courses

Catalogue

June 2025

The Schools Development Unit (SDU) is located in the School of Education at the University of Cape Town.
A primary focus of the SDU is continued teacher professional and school organisational development. In support of this work, the SDU offers a range of university-approved and SACE-endorsed short courses. These courses are intended for teachers and school managers across all grades and phases in the GET and FET bands of schooling.
This catalogue provides details of the short courses currently on offer.

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*MATHEMATICS

Name of short course, and course code	Target Audience and Course Outline	Duration & PD Points	Cost per student (@ 30 students per class)
ECD and FP Mathematics Content for Teaching – **EDN2046CE**	Target Audience: Early Childhood Development (ECD) and Foundation Phase (FP) teacher-trainers and teachers This course will provide ECD and FP teacher-trainers and teachers will a better understanding of Mathematics content and will focus on appropriate strategies for effective teaching and learning of Mathematics in the early years (4- to 6-year-olds).	Duration: 30hrs SACE PD Points: 15	R 4 500.00
Basic Number Concept for Primary School Teachers **EDN20002CE**	Target Audience: Primary School Teachers This course will inform and consolidate teachers' content knowledge and methodology in developing a conception of numbers for teaching in the FP and Inter/Sen Phases (Grades 1 – 7). It will focus on the development of the decimal number system and put into perspective the relevant number sets that are dealt with at primary school level. The course will also equip participants to teach operations involving whole numbers.	Duration: 6hrs SACE PD Points: 7	R 1 700.00
Rational Numbers for Primary School Teachers **EDN20019CE**	Target Audience: Primary School Teachers This course intends to inform and consolidate teachers' content knowledge and methodology in developing a conception of rational numbers in the FP and Inter/Sen Phases (Grades 1 – 7). It will focus on the development of rational numbers, and the representation of rational numbers as common fractions, percentages, decimal numbers, and ratio. The course will also equip participants to teach operations involving rational numbers.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Basic Concepts in Shape and Space for Primary School Teachers **EDN20003CE**	Target Audience: Primary School Teachers This short course will inform and consolidate Foundation Phase and Inter/Sen Phase (Grades 1 to 7) teachers' content knowledge and methodology in developing a conception of dimension, especially 2-D and 3-D. It will also demonstrate how teachers can use classification as a means to describe and differentiate between objects, and between shapes. It will also further explore and define the properties of triangles, and the properties of quadrilaterals.	Duration: 6hrs SACE PD Points: 10	R 1 700.00

Developing Measurement in 1-; 2-; and 3-Dimensions for Grades 1 to 7 **EDN20009CE**	Target Audience: Primary School Teachers The *one-day* course aims to qualify the space within which learners need to operate mathematically, ranging from 1-dimensional to 3-dimensional. This course also moves on to quantify these contexts in terms of measurement using practical and investigative pedagogies.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
From Arithmetic to Algebra for Primary School Teachers **EDN2012CE**	Target Audience: Primary School Teachers This course introduces participants to algebra from the perspective of generalized arithmetic. It will forge a more robust number concept and will clarify the fundamental principles of number, which underpins the structure of mathematics. This course targets all primary school teachers (Grades 1 to 7).	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Data Handling for Primary Teachers **EDN2015CE**	Target Audience: Primary School Teachers This *one-day* short course exposes participants to a wider perspective in teaching data handling at primary school level. It shows the full cycle of data handling in practical contexts and also deals with aspects of sampling and bias. This course will benefit teachers in the FP and Inter/Sen Phases (Grades 1 – 7).	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Teaching Calculations with Whole Numbers in the Primary School **EDN2031CE**	Target Audience: Primary School Teachers Computational skills, at primary school level, is a very important part of the mathematics curriculum. This course will look at developing an understanding of how whole numbers behave when operated upon. It will explore the basic operations in terms of the array of strategies available to learners, as well as flexible ways of thinking about working with whole numbers.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Teaching Patterns in Mathematics in the Primary School **EDN2037CE**	Target Audience: Primary School Teachers This course will demonstrate how geometric patterns and number patterns develop algebraic reasoning in learners in the primary school mathematics curriculum. It will make explicit how extending and describing patterns can help learners to form generalizations. The course will move from engaging and describing the most basic, everyday shapes, which may require simple description, to number patterns, and their generalized rules. Most importantly, this course will help participants to realise the functional relationships which determine patterns.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Teaching Visualization and Transformations	Target Audience: Primary School Teachers This course will illustrate the importance of developing the ability to create mental images	Duration: 6hrs SACE PD Points: 10	R 1 700.00

in Primary School Mathematics **EDN2036CE**	of shapes and objects, and to predict and represent how they will look from different perspectives. It will encourage participants to develop their ability to observe shapes and objects, then think about them mentally, and then transform these shapes and objects mentally in terms of their position and size.		
Symmetry for IP, SP and FET Mathematics for Teachers **EDN2047CE**	Target Audience: Intermediate, Senior Phase and FET Teachers This course explores the mathematical notion of transformations and symmetry, using function as the central underlying concept. The precise distinction between transformations that are shape-preserving (dilations) and shape-and-size-shape like triangles, quadrilaterals and circles will be considered. Formal aspects as well as practical activities, investigations, software animations (where appropriate), examples and classroom ideas are covered.	Duration: 6 hrs SACE PD Points: 10	R 1 700.00
Algebra Content for CAPS Senior Phase **EDN20020CE**	Target Audience: Senior Phase Teachers This one-day course will provide participating teachers with a better understanding of the Real Number System and will discuss effective ways of introducing the different number sets, their properties and operations across the Senior Phase (Grade 7-9) CAPS.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Lines, Angles and Constructions for the Senior Phase **EDN2011CE**	Target Audience: Senior Phase Teachers This course aims to develop the theoretical background and practical skills to support different ways for teaching about lines, angles and constructions in Grades 7 to 9 as set out in the CAPS document. In addition, teachers will be introduced to van Hiele levels of conceptual development in geometry, which is useful for understanding the cognitive levels indicated in the CAPS document.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Designing Geometry Classroom Activities – for the Senior Phase **EDN2010CE**	Target Audience: Senior Phase Teachers This *one-day* course aims to demonstrate and development geometry classroom activities by integrating (1) pedagogy focused on concept development, (2) use of interactive computer programs and (3) teaching-learning media with the geometry content to be covered, i.e. Euclidean geometry aligned with the CAPS document. All participants will be experienced teachers and will have some experience of teaching Mathematics at Intermediate, Senior and/or FET Phase level.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Probability for CAPS Senior Phase **EDN2001CE**	Target Audience: Senior Phase Teachers This course will provide participating teachers with a better understanding of Number Patterns and will discuss effective ways of teaching the different representations of	Duration: 6hrs SACE PD Points: 10	R 1 700.00

	patterns at Senior Phase level. All participants will be experienced teachers and will have some experience of teaching Mathematics and Intermediate, Senior Phase and or FET Level.		
Teaching Measurement in 2- and 3-D for SP Maths (A Blended Learning Model **EDN2029CE**	Target Audience: Senior Phase Teachers The course will inform a deeper understanding of the concept of measurement in 2-and 3-dimension. Participants will be encouraged to critically reflect on measurement in problem-solving situations, to develop pedagogic strategies for strengthening learners' understanding and application of the appropriate units of measurement.	Duration: 6 hrs (10 notional hours) SACE PD Points: 10 points	R 1 700.00
Developing the Concept of Function from Patterns for Senior Phase Teachers **EDN20004CE**	Target Audience: Senior Phase Teachers The course will inform and consolidate Senior Phase teachers' content knowledge and pedagogy in developing and consolidating learners' conceptions of number patterns. The course will encourage participants to critically reflect on the intuitive development of the general description of different number patterns, and how this contributes to an understanding of the idea of function.	Duration: 6hrs SACE PD Points: 10	R 2 300.00
Learning Study for High School Maths Teachers **EDN2066CE**	Target Audience: Senior Phase and FET Mathematics and FET Technical Mathematics Teachers This short course comprises a set of lectures and discussion framed in the Learning Study paradigm based on a pedagogic theory, i.e. Variation Theory and reflect on detailed lesson plans that focus on the chosen object of learning. Lesson mediated and what learners are expected to do.	Duration: 30 hrs SACE PD Points: 15	R 4 500.00
Sets & Representation for Mathematics Educators **EDN2069CE**	Target Audience: Mathematics educators, across all phases. This course explores a set-theoretic basis for school mathematics. We begin with elementary notions — an introduction to sets, subsets, set-operations, counting and number. On this foundation, we develop general ideas of operation and representation. A mathematical treatment of the notion of representation will be used to forge links between the content and methodological aspects of teaching. Representation understood in mathematical terms is a powerful and versatile tool that helps us to coherently interrelate mathematical ideas and processes to learning, to teaching and to mathematics resources (texts, games, apparatuses), enabling us to move productively between the domains of mathematics, learning and teaching. Participants will critically engage with some classroom teaching strategies that	Durations: 12hrs SACE PD Points: PENDING	R 2 500.00

	affect the teaching and learning of school Mathematics.		
Calculus for FET Mathematics Educators **EDN2076CE**	Target Audience: FET Mathematics educators, currently employed in educational contexts dealing with schooling. Speed, rate of flow, current, etc. are everyday notions related to vehicles, to fluid flow strength, to electricity, and more. These are measured as rates of change. This course explores Differential Calculus — the mathematical concept of rate of change. The starting point will be an exploration of Real Numbers that will allow participants to describe continuous phenomena in a mathematically precise way. They will develop the concept of limit and derivative from basic principles. Then they will deduce very powerful rules and applications of differentiation and solve some applied problems. Participants will also critically engage with some classroom teaching strategies that affect the teaching and learning of Differential Calculus and mathematics. The WCED-DBE resources, textbooks and sources of typical mathematics teaching strategies will be essential resources for exploring the mathematical ideas.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Euclidean Geometry for FET Mathematics Educators **EDN2077CE**	Target Audience: FET Mathematics educators, currently employed in educational context dealing with schooling. The course explores essential axioms, elementary objects and definitions in Euclidean Geometry. The exploration is through an inductive and discovery-based approach to geometry in the plane. Practical tools are used to investigate relationships between, and properties of, geometrical objects. Propositions and theorems are proven through deductive reasoning. In the course, opportunity is given for participants to conjecture, discover and develop some elementary results involving lines, polygons and circles *using established propositions and theorems, as well as congruency, similarity.*	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Trigonometry for FET Mathematics Educators **EDN2081CE**	Target Audience: FET Mathematics educators, currently employed in educational context dealing with school. The course focusses on the development of the trigonometric ratios using the unit circle. This approach facilitates the early appreciation of	Duration: 6hrs SACE PD Points: 10	R 1 700.00

	trigonometric ratios as (1) not limited to right-angled triangles, and (2) functions. The use of the unit circle conveniently translates into the periodic form of the graphs of the trigonometric functions; this translation is visually very helpful and becomes a very useful pedagogic aid understanding trigonometry, and also for demonstration in the classroom. With a clearly established basis for trigonometry, the course then unpacks some formulations of identities and formulas that are useful for solving equations, as well as 2D and 3D practical problems.		
Teaching Strategies for introducing number in the Senior Phase **EDN2080CE**	Target Audience: Senior Phase Teachers The course will inform and consolidate Senior Phase teachers' content knowledge and pedagogy in developing and consolidating learner' conception of whole numbers, natural numbers, integers, rational numbers and irrational numbers.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Big Ideas in Measurement for Mathematics Educators **EDN2086CE**	Target Audience: Mathematics (including mathematical literacy) educators, currently employed in educational context dealing with schooling.	Duration: 12hrs SACE PD Points: 10	R 2 500.00
Functions for Mathematics **EDN2085CE**	Target Audience: FET Mathematics educators This course will focus on the function concept, its definitions and the components that make up this definition. Participants will be tasked to discuss the share their ideas and definitions of function, and then to align their notions with CAPS content and typical classwork and assessments.	Duration: 12hrs SACE PD Points: 15	R 2 500.00
Finance for Mathematics **EDN2086CE**	Target Audience: FET Mathematics Education The purpose of this course is to equip participants with the necessary knowledge and skills to be able to solve problem in a variety of financial contents that they may encounter in everyday life or in the workplace, nationally or globally. The idea is also that the financially literate educator can weigh up options by comparing	Duration: 12hrs SACE PD Points: 15	R 2 500.00

	solutions. Make decision regarding the most appropriate choice for a given set of conditions and communicate decision using correct terminology.		

*LANGUAGES

Name and Course Code	Target Audience and Course Outline	Duration & PD Points	Cost per student (@ 30 students per class)
Introducing Mother Tongue Based Bilingual Education **EDN2088CE**	Target audience: Intermediate phase teachers, especially Grade 4 mathematics and science teachers in schools where an African language is the Home Language and LOLT in Foundation phase. District officials (e.g. circuit managers, curriculum and subject advisors) working for the provincial education department. This is a two-day short course introducing mother tongue-based bilingual education (MTBBE) aimed at reaching in-service teachers, school leaders and education officials working with the intermediate phase in the Western Cape. Given the lack of continuing professional development courses on bilingual education across the country, our proposal is for two 12-hour (2days) face to face courses. The first course which is the focus of this proposal is designed to prepare the ground for MTBBE implementation.	Duration: 12 hrs SACE PD Points: Pending	R 2 500.00
Implementing Mother Tongue Based Bilingual Education **EDN2089CE**	Target audience: Intermediate phase teachers, especially Grade 4 mathematics and science teachers in schools where an African language is the Home Language and LOLT in Foundation phase. District officials (e.g. circuit managers, curriculum and subject advisors) working for the provincial education department. Possibly school principals and school management teams. Participants will have completed the short course 'Introducing MTBBE" This is a two-day short course which follows the 'Introducing MTBBE' course. The course is aimed at reaching in-service teachers, school leaders and education officials working with the intermediate phase in the Western Cape who have completed 'Introducing MTBBE'. The focus of this two-day course is implementing MTBBE in the classroom.	Duration: 12 hrs SACE PD Points: Pending	R 2 500.00

Teaching Reading and Writing in the Primary School **EDN20014CE**	Target Audience: Primary School Teachers This *four-day* course will inform and develop teachers' knowledge of language learning and acquisition. It will be an integral part of a significant paradigm shift from teaching isolated language topics to learning the principles of teaching reading, writing and comprehension. A Balanced Language Approach will underpin the course. The relationship between language and learning is introduced with an emphasis on parent-child interaction, teacher-student interaction and their effects on learning. It will focus on the relationship between pedagogical beliefs (theory and policy) in language education and classroom practice. Participants will be engaged in the application of these theories and practices in their classroom, and the course will include the following topics: Early Literacy Knowledge and Skills; Learning to read and write; Development of reading and writing skills and Comprehension.	Duration: 21hrs SACE PD Points: 15	R 3 500.00
Reading and Writing Across the Curriculum in the Primary School **EDN20013CE**	Target Audience: Primary School Teachers This *four-day* course will inform and develop teachers' knowledge of reading and writing across the curriculum. It will be an integral part of a significant paradigm shift from teaching isolated language topics to learning the principles of teaching reading and writing across the phases as well as across different subjects in the curriculum. It will focus on the relationship between pedagogical beliefs (theory and policy) in language education and classroom practice. The course includes the following topics: Reading and Writing to Learn; Using thinking and reasoning to construct meaning in reading and writing; The 8 Cognitive thinking processes; Comprehension; Reading and Writing across the curriculum.	Duration: 21hrs SACE PD Points: 15	R 3 500.00
Teaching Language in the Primary School **EDN2003CE**	Target Audience: Primary School Teachers This course will inform and develop teachers' knowledge of language learning and acquisition. It will be an integral part of a significant paradigm shift from teaching isolated language topics to learning the principles of teaching reading, writing and comprehension. A balanced language approach will underpin the course. It will focus on the classroom practice. The course will also develop teachers' knowledge of reading and writing across the curriculum.	Duration: 18hrs SACE PD Points: 10	R 3 000.00

Teaching English First Additional Language in the Primary School **EDN20018CE**	Target Audience: Primary School Teachers The three-day short course will provide participating teacher with a better understanding of teaching English First Additional Language and will link CAPS requirements with regard to EFAL to their classroom practice. All participants will be experienced teachers and will have some experience of teaching Language at Foundation and Intermediate Phase level.	Duration: 18hrs SACE PD Points: 10	R 3 000.00
Facilitating Effective Writing in the Primary School **EDN2035CE**	Target Audience: Primary School Teachers This course is intended to provide primary school teachers with a professional space where teachers can develop knowledge and skills of teaching writing in the primary school. It will apply to both the Foundation and Intermediate Phase teachers. The course will focus on the relationship between pedagogical beliefs (theory and policy) in CAPS and their classroom practice. We will also explore the link between reading and writing and experience how writing facilitates learning.	Duration: 18hrs SACE PD Points: 10	R 3 000.00
Teaching Writing in Language in the Primary School **EDN2045CE**	Target Audience: Primary School Teachers This course will provide participating teachers with a better understanding of teaching writing effectively across the phase in the primary school. Participants will be empowered with various strategies and skills to guide learners more efficiently through the writing process.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Introduction to Strategies for Teaching Reading in the Primary School **EDN2048CE**	Target Audience: Primary School Teachers This course is intended to provide primary school teachers with a professional space where they can develop knowledge and skills of teaching reading in the primary school.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Thinking Maps as Tools to Construct Meaning in Language Writing **EDN2044CE**	Target Audience: Primary School Teachers This course intended to provide primary school teachers with a professional space where they can develop knowledge and skills of using thinking to enhance writing in the primary school. During course, thinking tools will be modelled to enable teachers to apply these confidently in writing in the primary school.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Home School Support Early	Target Audience: Foundation Phase teachers (Grade R -3) and Learning Support Teachers	Duration: 18hrs SACE PD Points: 10	R 3 000.00

Years Learning at Home **EDN1000CE**	This course will provide teachers with strategies on how to involve parents and caregivers of children, between the ages of 4 and 7 years, in children's learning, with a particular focus on literacy development. The course will equip teachers to facilitate a programme for parents, which deals with supporting informal learning at home. Teachers will be provided with facilitator guides and master copies of resources for parents.		
Contextualized Grammar Teaching in the Language Classroom **EDN20005CE**	Target Audience: Senior Phase and FET Teachers This is a *one-day* short course that aims to get high school teachers to critically reflect on the purposes of teaching grammar and to introduce them to a contextualized approach to grammar teaching in which linguistic structures are used to create meaning to support rhetorical goals. Teachers will learn to teach grammar in a contextualized manner using authentic texts.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Developing Reading in a Digital World: New Ideas for the Classroom **EDN20015CE**	Target Audience: Senior Phase and FET Teachers This *one-day* course provides participating teaching with knowledge and skills on how to develop their learners' reading skills: decoding written text, understanding and composing meaningful texts, using texts functionally and analysing texts critically (Luke and Freebody 1999) It will provide teacher with practical ideas, strategies and resources for developing the four resources for reading and how to apply these to new literacies including SMS, websites and computer games. The course addresses the requirements of CAPS for Grade 7 that requires learners to develop close, comprehensive and critical reading of written and visual literacy and non-literary texts in order to become critical and creative thinkers.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Building Whole-School Reading Communities **EDN20016CE**	Target Audience: Senior Phase and FET Teachers This course provides participating teachers with knowledge and skills on how to develop reading for pleasure in every aspect of school life. It will provide teachers with practical ideas, strategies and resources to develop effective ways of introducing and developing reading for pleasure in schools.	Duration: 6hrs SACE PD Points: 10	R 1 700.00

Developing Writing: Inspiring Learners to Write **EDN20006CE**	Target Audience: Senior Phase and FET Teachers This course provides participating teachers with a better understanding of writing and will discuss effective ways of introducing and developing writing at Senior Phase level.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
How to Teach Writing: Poetry **EDN20021CE**	Target Audience: Senior Phase and FET Teachers In this course, teachers will experiment with word play, noun phrases and kennings. They will also experiment with repetition, rhyme, rhythm, alliteration and punctuation for meaning and effect, The teachers will experiment with line length, enjambement, caesura, sentence patterning and personification. Finally, the teachers will draft and evaluate their own poetry.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
How to Teach Writing: Argument **EDN20022CE**	Target Audience: Senior Phase and FET Teachers The teachers will analyse persuasive devices, explore how to use emotive vocabulary and the impact of modal verbs. They will analyse and experiment with sentence structure using conjunctions to create counter and link arguments. The teachers will experiment with punctuation, cohesion and persuasive devices in their writing. They will also explore techniques to engage and persuade the audience.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
How to Teach Writing: Fiction **EDN20023CE**	Target Audience: Senior Phase and FET Teachers During the course, the teachers will identify the features of adventure fiction; learn about narrative viewpoint and voice using texts from adventure fiction. The teachers will experiment with how to sequence narratives, explore the impact of word choice and learn how to build descriptive detail in simple sentences. They will also analyse sentence structures and how punctuation can create meaning. Finally, the teachers will learn how to structure and plan a narrative and how to evaluate their writing.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Approaches to Teaching Poetry in	Target Audience: Senior Phase and FET Teachers	Duration: 6hrs SACE PD Points: 10	R 1 700.00

the Grade 12 FAL Classroom **EDN20011CE**	This course enhances teachers' skills in teaching poetry. It focuses on aspects of teaching poetry such as background knowledge, them, figurative language, tone, figurative language and poetic devices.		
An Approach to Early Literacy **EDN2067CE**	Target Audience: Foundation Phase Teachers and ECD practitioners/teachers This course introduces teachers and practitioners to the approaches to early literacy. approach will be investigated, and participants will explore the nature of a positive relationship between children's oral language development, literature and literacy learning and teaching. They will select and get to know a range of multilingual story books which stimulate imaginative thinking problem-solving and play, and will begin to explore how to use these practically to facilitate language development, emergent reading and writing. The course considers how to set up and manage settings which enhance you children's language and learning and development. It also explores ways to use and value children and their families, linguistic and cultural resources. The links with the National Curriculum Assessment Policy Statement (CAPS) will be looked at and the indicators of meaningful early literacy learning progress and ways to document and track children's progress will be raised and discussed.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Teachers as Readers and Writers in the Primary School **EDN2072CE**	Target Audience: Foundation & Intermediate Phase Teachers This short course will develop teachers own writing skills, and realisation of the pleasure in the writing across a range of text types. Additionally, it will enable teachers to become writing mentors and to purposively select mento text which they can use with their won learners. It will encourage teachers to notice and analyse techniques of good writers and will enable them able to discuss and mode these techniques with their learners. They will be writing their own original texts using the knowledge gained from the course.	Duration: 18hrs SACE PD Points: TBC	R 3 000.00

*SCIENCES

Name of short course, and course code	Target Audience and Course Outline	Duration & PD Points	Cost per student (@ 30 students per class)
Experimento: Science Practical Work for Primary School Teachers **EDN2026CE**	Target Audience: Primary Teachers Teachers will engage in a series of practical tasks in which particular pedagogic strategies will be modelled. The topics covered focus on energy, the environment and health. Participants will also focus on the purposes of practical work in school science education and how different types of practical activities can be used to achieve particular objectives. Finally, teachers will be guided through some of the on-line science resources available on the Siemens-foundation media portal.	Duration: 15 hrs SACE PD Points: 10	R 2 700.00
Teaching Life and Living in the Intermediate Phase Science Classroom **EDN2030CE**	Target Audience: Intermediate Phase Teachers This course seeks to develop intermediate phase teachers' understanding of ecology. It will allow teachers to engage with social-ecological concepts, issues, and wider sustainability practices. It will also enable teachers to utilise relevant tools to enhance teaching and learning of Natural Sciences.	Duration: 24 hrs SACE PD Points: 10	R 3 500.00
Teaching Earth & Beyond for Gr4-7 Natural Science Teachers **EDN2049CE**	Target Audience: Intermediate Phase Teachers This course will inform and develop teacher's knowledge and skills to promote the use of scientific inquiry and a variety of resources in the teaching of Planet Earth and Beyond in the Natural Sciences for Grades 4-7.	Duration: 6 hrs SACE PD Points: 10	R 1 700.00
Experimento: Cooperative Learning and Science Practical Work **EDN2051CE**	Target Audience: Natural Sciences Teachers The Siemens Foundation's Experimento project aims to provide educators with methods, instructions and materials that encourage learners to engage with scientific problems and solutions independently and creatively. The course will develop participants' competence and confidence to engage in more effective science practical work in their schools using the resources provided. The course will provide participants with an opportunity not only to engage in a number of hands-on practical activities, but also to reflect on the benefits of cooperative learning.	Duration: 15 SACE PD Points: 10	R 2 700.00

Matter and Materials for Primary School Sciences Teachers **EDN2053CE**	Target Audience: Grade 4 – 7 Natural Science Teachers This short course will provide participating teachers with a better understanding of teaching models of matter and properties of natural and processed materials.	Duration: 6 SACE PD Points: 10	R 1 700.00
Energy and Change for Primary School Sciences Teachers **EDN2052CE**	Target Audience: Grade 4 – 7 Natural Science Teachers This course will introduce key physics principles and will provide opportunities to explore and refine understanding of these principles in order to develop skills and update strategies for teaching concepts address in the Energy and Change topics. It will address some properties of physical matter, physical quantities, and relationships. Through a variety of activities, the subject knowledge necessary to support effective teaching will be covered. The interactive sessions will include presentations, scientific investigations and research activities.	Duration: 6 SACE PD Points: 10	R 1 700.00
Earth and Beyond for Sustainability in the Intermediate Phase **EDN2057CE**	Target Audience: Grade 4 – 6 Natural Science and Technology Teachers This short course seeks to support intermediate phase teachers' understanding of, and capacity for teaching Planet Earth and Beyond with a focus on sustainability. It provides teachers with the Education for Sustainable Development tools (including e-learning strategies) to enhance their teaching, and learning about Earth Systems Science, the Earth beneath our fee, the Earth in Space, and human impact on the environment.	Duration: 12 SACE PD Points: 15	R 2 500.00
Life and Living for Sustainability in the Intermediate Phase **EDN2056CE**	Target Audience: Grade 4-6 Natural Sciences and Technology Teachers This short course seeks to support intermediate phase teachers' understanding of, and capacity for teaching Life and Living with a focus on sustainability. It provides teachers with the Education for Sustainable Development tools (including e-learning strategies) to enhance their teaching, their learning, and development about living and non-living things, interdependence and human impact on the environment.	Duration: 12 SACE PD Points: 10	R 2 500.00
Energy and Change for Sustainability in the Intermediate Phase **EDN2064CE**	Target Audience: Grade 4-6 Natural Sciences and Technology Teachers This short course seeks to support intermediate phase teachers' understanding of, and capacity for teaching Planet Earth and Beyond with a focus on sustainability. It provides teachers with the Education for Sustainability	Duration: 12 SACE PD Points: 10	R 2 500.00

	Development tools (including e-learning strategies) to enhance their teaching, and learning about Earth Systems Science, the Earth beneath our fee, the Earth in Space, and human impact on the environment.		
Matter and Materials – Models of Matter – in the Science Classroom **EDN20010CE**	Target Audience: Intermediate Phase and Senior Phase Teachers The course will provide participating teachers with a better understanding of teaching models of matter, properties of materials and their uses. This course will focus on the particle model of matter and that natural and processed materials have a range of physical properties and these properties can influence their uses.	Duration: 22hrs SACE PD Points: 15	R 3 300.00
Assessment for Learning in Science **EDN3002CE**	Target Audience: Intermediate Phase and Senior Phase Teachers This short course is designed to introduce teachers to formative assessment. Based on the work of noted British educator Wynne Harlen, this course introduces the Formative Assessment Cycle, which is a process whereby teachers gather evidence of learners' thinking and use this evidence to decide next steps of teaching.	Duration: 18hrs SACE PD points: 10	R 3 000.00
Fundamentals of Inquiry Addressing Science Process Skills **EDN30001CE**	Target Audience: Intermediate Phase and Senior Phase Teachers The purpose of the short course is to explore ways to support teachers in moving from structured, hands-on science with teacher-prescribed directions, to a more inquiry-based approach, which allows students to raise and investigate questions. This course is organised into three interactive sessions that clarify the fundamentals of inquiry –based teaching and learning. Throughout the course participants have reflective conversations that allow them to "see into" the professional development design process – from the design of each individual activity to the overall structure of the course.	Duration: 18hrs SACE PD Points: 7	R 3 000.00
Teaching Climate Change: Natural Sciences, Grades 7 to 9 **EDN2013CE**	Target Audience: Senior Phase Teachers This short course seeks to support teachers understanding of, and capacity for teaching environmental knowledge and concerns as found within the national curriculum subjects and their cognate disciplines. It broadens knowledge of teacher to engage with social-ecological concepts, issues and solutions and wider sustainability practices. In doing so it provides teachers with the tools to enhance their teaching, their learning and development about Climate and Climate Change.	Duration: 24hrs SACE PD Points: 10	R 3 500.00

Experimento: Science Practical Work for High School Teachers **EDN2020CE**	Target Audience: Senior Phase and FET Teachers Teachers will engage in a series of practical tasks in which particular pedagogic strategies will be modelled. The topics covered focus on energy, the environment and health. Participants will also focus on the purposes of practical work in school science education and how different types of practical activities can be used to achieve particular objectives. Finally, teachers will be guided through some of the on-line science resources available on the Siemens-foundation media portal.	Duration: 15 hrs SACE PD Points: 15	R 2 700.00
Forces and Light for Natural Sciences Teachers (A Blended Learning Model) **EDN2018CE**	Target Audience: Senior Phase Teachers Participants will be provided with digital resources related to the content and readings on one or more pedagogic strategy suitable for teaching the content. The seminar will focus on key aspects of the content and pedagogy and will offer participants the opportunity to gain hands-on experience in the appropriate use of the digital and science practical resources provided. Two subsequent school visits will discuss and address teaching course-related topics in the class and conclude the course with an assessment of an observed lesson.	Duration: 6 hrs contact (10 hrs notional) SACE PD Points: 10	R 1 700.00
Practical Work for FET Physical Sciences Teachers: Grade 12 CAPS **EDN2006CE**	Target Audience: Grade 12 Sciences Teachers This course focuses on the reconceptualization of practical work with an emphasis on learning for the purposes of effective engagement with learners whilst doing different types of practical activities. It also covers the physics content directly related to the prescribed and recommended practical activities for Grade 12 in CAPS. This will be followed by hands-on practical activities and a critical reflection on how these activities can be conducted in schools. Following the same format, chemistry topics and practicals will be covered as well.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Organic Chemistry for FET Teachers **EDN2008CE**	Target Audience: FET Sciences Teachers This *two-day* course is an introduction to the theory and practical aspects of organic chemistry. It examines the uniqueness of the element carbon, organic families, nomenclature, isomerism, chemical reactions and organic macromolecules. Relevant applications of organic compounds and physical and chemical properties are also dealt with. Demonstrations and hands-on laboratory experiences will be provided for core practical tasks of the curriculum.	Duration: 12hrs SACE PD Points: 7	R 2 500.00
Sustainability Education through Biodiversity	Target Audience: Senior Phase and FET Teachers The purpose of this *three-day* course is to strengthen capacity for the implementation of	Duration: 18hrs SACE PD Points: 10	R 3 000.00

EDN20017CE	effective strategies for Environmental and Sustainability Education (ESE). The course also aims to support teachers in the delivery of core content about Biodiversity in the new CAPS FET Life Sciences curriculum and aims to improve their practical, foundational and reflexive competencies as environmental educators. During the course teachers will conduct laboratory investigations, do fieldwork and work collaboratively with peers as they grapple with the key environmental issues and develop and model (ESE) strategies.		
Introduction to Science Laboratory Management and Safety **EDN20007CE**	Target Audience: Senior Phase Teachers This short course seeks to build competency of teachers in the management, use and maintenance of science laboratories and storerooms. During the course, participants are familiarized with certain routine laboratory procedures and simple instrument maintenance. The course also seeks to build competency in planning for efficient and effective practical activities and how to facilitate group work.	Duration: 6hrs SACE PD Points: 7	R 1 700.00
Chemical Reactions: Natural Sciences – Senior Phase **EDN2004CE**	Target Audience: Senior Phase Teachers The focus will be on electron configuration in relation to the periodic table, chemical bonding and chemical formulae. Teachers will engage in a series of tasks including the use of computer simulations, which will be blended with appropriate theoretical presentations. Also covered will be molecular structure, intermolecular forces, balancing of equations and examples of different chemical reactions will be explored. This will include practical tasks, collaborative planning, presentations of lessons and reflections on these lessons.	Duration: 12hrs SACE PD Points: 7	R 2 500.00
Electricity for Natural Sciences Teachers **EDN20024CE**	Target Audience: Senior Phase Teachers The focus will be on the national electricity grid and electric circuits. Teachers will engage in a series of practical tasks including the use of computer simulations, which will be blended with appropriate theoretical presentations. Electric circuits will also be explored in more detail and the pros and cons of using common analogies in the teaching of circuits will be discussed. This will be followed by a session on the links between science, society, technology and the environment in relation to electricity.	Duration: 12hrs SACE PD Points: 7	R 2 500.00
Earth Sciences in the Senior Phase	Target Audience: Senior Phase Teachers This short course seeks to support Senior Phase teachers' understanding of, and their capacity	Duration: 12hrs SACE PD Points: PENDING	R 2 500.00

EDN2021CE	for teaching Earth Sciences. It also provides teachers with the tools to enhance their teaching and knowledge about Earth Systems Science, the Earth Beneath our Feet, and the Earth in Space.		
Acids and Bases for Senior Phase Natural Sciences Teachers **EDN2016CE**	Target Audience: Senior Phase Teachers The course will focus on the properties of acids and bases; the differentiation between weak and dilute acids/bases; and strong and concentrated acids/bases. Participants will engage in a micro-scale experiment. The pH scale and indicators will be explored in some detail including some basic pH calculations. The exploration of these topics will include practical activities and the use of computer simulations and other ICTs.	Duration: 12hrs SACE PD Points: 10	R 2 500.00
Practical Work for FET Life Sciences Teachers **EDN2008CE**	Target Audience: FET Life Sciences Teachers After an overview of the CAPS curriculum requirements, the next three sessions will involve a back to basics experience of the core practical elements as specified in the CAPS curriculum. Teachers will also be able to engage with academics to explore possible ideas and have further discussions to enrich their knowledge. In the final sessions, working in small groups, participants will collaborate to plan and implement a practical assessment. This should include a range of different types of practical activities which learners were expected to cover in the prescribe curriculum. In this session participants will present a mock practical exam followed by critical reflection on the challenges and constraints of the process	Duration: 12hrs SACE PD Points: 7	R 2 500.00
Measurement and Practical Work for Natural Science Teachers **EDN2007CE**	Target Audience: Senior Phase Teachers Teachers will engage in a series of practical tasks, which assess measurement and practical work competence in the Natural sciences. They will focus on the reconceptualization of practical work with an emphasis on learning. The course also supports teachers in developing activities for the under-resourced classroom, and for extending learners. A teacher professional development model based on collaborative planning, observation and reflection will be explored. Teachers will be guided in collaboratively planning, the implementation and assessment of one of a range of different practical activities prescribed or recommended in the curriculum. They will design the accompanying learning and assessment materials. Finally, teachers will present a trial lesson while others will be engaged in the practical activity in the role of learners. Each teaching session will be followed	Duration: 12hrs SACE PD Points: 10	R 2 500.00

	by a critical reflection and analysis of the lesson by both the presenters and participants.		
Practical Work for FET Physical Sciences Teachers **EDN20012CE**	Target Audience: Grade 10-12 Physical Science Teachers The short course is to build confidence and competency in the planning, designing, implementation and assessment of effective physics and chemistry practical work in high schools. To familiarise teachers with selected prescribed and recommended practical in the Physical Sciences Curriculum.	Duration: 12 hrs SACE PD Points: 10	R 2 500.00
Teaching Marine Biodiversity for FET Life Sciences **EDN2040CE**	Target Audience: FET Level Life Science Teachers A short course seeks to expand Life Sciences teachers' understanding of, and capacity for teaching Biodiversity and environmental knowledge in ways that also support CAPS. It will broaden the knowledge of teaches to engage with social-ecological concepts, issues and solutions and wider sustainability practices.	Duration: 30hrs SACE PD Points: 5	R 6 800.00
Teaching Biodiversity for FET Life Sciences **EDN2041CE**	Target Audience: FET Life Science Teachers This course seeks to expand Life Sciences teachers' understanding of, and capacity for teaching biodiversity and environmental knowledge in ways that also support CAPS. It engages with social-ecological concepts, issues and solutions and wider sustainability practices.	Duration: 30hrs SACE PD Points: 10	R 4 500.00
Process Skills in the Science Classroom **EDN2034CE**	Target Audience: Science Teachers at all Levels The short course will help science teachers to develop an understanding of scientific process skills and their application in the classroom in order to enhance learning.	Duration: 6hrs SACE PD Points: 5	R 1 700.00
Teaching Strategies for Electricity in Senior Phase Natural Sciences **EDN2043CE**	Target Audience: Senior Phase Natural Science Teachers This short course is developed teachers' pedagogic skills in teaching electricity and to enable teachers to develop learner's conceptual understanding of the concepts and relationships related to series and parallel electrical circuits. The teachers will be exploring the utilisation of hands-on practical work and Information and communication Technology (ICT) to develop scientific argumentation in order to deepen learners' understanding of the topic.	Duration: 4 (10 notional hours) SACE PD Points: 7	R 1 700.00

Matter and Materials for Sustainability in the Senior Phase **EDN2078CE**	Target Audience: Grade 7-9 Natural Sciences Teachers This short course will be comprised of blended of lectures with specialist input by experts for content enrichment purposes and for learning about sustainability. Participants will be able to engage in synchronous and asynchronous learning tasks providing opportunities for collaboration with peers.	Duration: 12hrs SACE PD Points: 10	R 2 500.00
Energy and Change for Sustainability in the Senior Phase **EDN2082CE**	Target Audience: Grade 7-9 Natural Sciences Teachers This short course will be comprised of a blended model of lectures with specialist input by experts for content enrichment purposes and for learning about sustainability. Participants will be able to engage in synchronous and asynchronous learning tasks providing opportunities for collaboration with peers.	Duration: 12hrs SACE PD Points: 10	R 2 500.00
Teaching Electricity & Magnetism for FET Physical Sciences **EDN2083CE**	Target Audience: Grade 10-12 Physical Sciences Teachers The main goal of the course is to explore the essential pedagogical content knowledge for teaching and learning of *Electricity and Magnetism*. The teaching of *Electricity and Magnetism* throughout the FET Demands a critical approach which necessitates a crafted vertical conceptual development in order to realise effective learning. To address this challenge, teachers will be exposed to various teaching approaches to strengthen their confidence in delivering their relevant theory,	Duration: 12hrs SACE PD Points: 15	R 2 500.00

*SOCIAL SCIENCES

Name and Course Code	**Target Audience and Course Outline**	**Duration & PD Points**	**Cost per student (@ 30 students per class)**
Teaching Water: Social Sciences in the Intermediate Phase **EDN2023CE**	Target Audience: Intermediate Phase Teachers A short course consisting of an interactive session, involving the modelling of a variety of different teaching strategies to actively engage participants with content, subject knowledge and pedagogical knowledge.	Duration: 24hrs SACE PD Points: 10	R 3 500.00
Teaching Water: Social Sciences in the Senior Phase **EDN2039CE**	Target Audience: Senior Phase Teachers This course seeks to develop teachers' professional knowledge of issues surrounding water. This includes topic-specific knowledge of concepts, teaching strategies, curricular content and	Duration: 30hrs SACE PD Points: 15	R 4 500.00

	assessment strategies. The particular focus areas will be the Senior Phase Geography topics of Floods, water in South Africa, Management of Resources and Erosion and Deposition.		
Teaching Water: Geography Grades 10-12 **EDN2038CE**	Target Audience: Senior Phase and FET Geography Teachers This course seeks to develop teachers' professional knowledge of issues surrounding water. This includes topic-specific knowledge of concepts, teaching strategies, curricular content and assessment strategies. The particular focus areas will be on Water Management in South Africa, Use of Resources and Drainage Systems in South Africa.	Duration 24hrs SACE PD Points: 15	R 3 500.00
Teaching Climate Change (FET) **EDN2024CE**	Target Audience: FET Geography Teachers This course seeks to support teachers understanding of capacity for teaching environmental knowledge. Teachers are supported in the delivery of the new CAPS curriculum.	Duration: 24hrs SACE PD Points: 10	R 3 500.00
***'Doing History' – Content and Methods for Grade 10 History Teachers** **EDN2028CE**	Target Audience: Grade 10 History Teachers This course will introduce history teachers to the debates within the historiography of the Grade 10 content framework, as well as the discipline specific skills of analysis and historical concepts identified in the CAPS curriculum. Each workshop will focus on practical classroom strategies (productive pedagogies) to enhance the teaching and learning of the Grade 10 history curriculum, and to develop the higher order thinking skills necessary for success in the Grade 12 National Senior Certificate.	Duration: 48hrs SACE PD Points: 15	R 5 800.00

MANAGEMENT AND LEADERSHIP

Name and Course Code	**Target Audience and Course Outline**	**Duration & PD Points**	**Cost per student (@ 30 students per class)**
***Leading and Managing a Curriculum Delivery Team** **EDN2025CE**	Target Audience: Heads of Department /aspiring HoDs in primary & high schools The course examines the personal, professional, and organisational qualities necessary for effective leadership and management of a team. Aspects of personal mastery in relation to building an effective team are addressed with strategies covered that relate to staffing, allocation, support and evaluation of work ensuring delegation,	Duration: 16hrs SACE PD Points: 10	R 2 800.00

	accountability and devolution of responsibilities.		
***Implementing Moderation Practices for School Managers** **EDN2027CE**	Target Audience: Heads of Department /aspiring HoDs in primary & high schools The course examines the personal, professional, and organisational qualities necessary for effective leadership and management of a team in relation to the implementation of effective moderation practices that promote the planning, delivery, accountability and evaluation of curriculum delivery.	Duration: 16hrs SACE PD Points: 10	R 2 800.00
Foundation Phase Department Head Curriculum Leadership and Management **EDN2068CE**	Target Audience: Foundation Phase Department Heads This course is designed to assist and support Foundation Phase Department Heads to monitor the implementation and quality delivery of two previous Western Cape Education Department (WCED) interventions.	Duration: 6hrs SACE PD Points: 10	R 1 700.00

MENTORING AND SUPPORT

Name and Course Code	**Target Audience and Course Outline**	**Duration & PD Points**	**Cost per student (@ 30 students per class)**
***Mentoring of Student Teachers and Novice Teachers** **EDN2005CE**	Target Audience: Student Teachers Novice Teachers at Primary and High Schools The purpose of course is to develop a working understanding of and practice of Mentoring for Teaching with specific application to mentoring student teachers, novice teachers or other school staff.	Duration: 7hrs SACE PD Points: 25	R 1 800.00
Facilitation Skills for Lead Teachers **EDN2042CE**	Target Audience: experienced Foundation and Intermediate Phase Teachers This course aims to inform and develop potential lead teachers in utilising facilitation skills as a tool for peer learning.	Duration: 6hrs SACE PD Points: PENDING	R 1 700.00
Facilitation Skills for ECD and FP Teachers **EDN2063CE**	Target Audience: ECD and Foundation Phase teachers and/or practitioners The course aims to inform and develop ECD and FP teachers in utilizing facilitation skills as a tool for peer development. Participants will develop the skills and confidence to effectively facilitate meetings and workshops as well as identify and apply strategies and methodologies for facilitating meetings and workshops	Duration: 6hrs SACE PD Points: 10	R 1 700.00

*GENERAL

Name and Course Code	Target Audience and Course Outline	Duration & PD Points	Cost per student (@ 30 students per class)
***Questioning and Assessment** **EDN20026CE**	Target Audience: Primary School Teachers In many classrooms, the predominant form of questions asked during lessons tends towards recall and identification. Under the pressure of curriculum delivery, teachers working in challenging contexts, often rely on immediate recall from learners for the sake of progress. This course intends to make teachers aware of how learners can be made to think and reason at a higher cognitive level, how to translate this into everyday questioning strategies, as well as informal and formal assessment tasks.	Duration: 6hrs SACE PD Points: 10	R 1 700.00
Psychological First Aid for Educators in Times of Crises **EDN2070CE**	Target Audience: Life Orientation and Life Skills Teachers across all phases. This course explores and equips participants with psychosocial support strategies for practical use in their own lives and those of their learners.	Duration: 9hrs SACE PD Points: 10	R 1 900.00
***ICT Integration for Primary School Language Teachers** **EDN2074CE**	Target Audience: Grades 1 – 7 language Teachers. Central to the Western Cape Education Department's (WCED) mandate for the Cape Teaching and Leadership Institute (CTLI) is developing teachers' abilities to effectively integrate the use of Information and Communication Technologies (ICTs) for teaching and learning. As the COVID-19 pandemic has unequivocally demonstrated, the increasing digitisation of education needs to be met with practical integration efforts to curate powerful and meaningful teaching and learning experiences for our teachers and students. To this end, given the vast disparities and difficulties language education in South Africa faces, this short course aims to equip primary school language educators with the capacities to integrate ICTs for teaching and learning effectively.	Duration: 30hrs SACE PD Points:	R 4 500.00
***ICT Integration for High School Language Teachers** **EDN2075CE**	Target Audience: Grades 8 – 12 language Teachers. Central to the Western Cape Education Department's (WCED) mandate for the Cape Teaching and Leadership Institute (CTLI) is developing teachers' abilities to effectively integrate the use of Information and Communication Technologies (ICTs) for teaching and learning. As the COVID-19 pandemic has unequivocally	Duration: 30hrs SACE PD Points:	R 4 500.00

	demonstrated, the increasing digitisation of education needs to be met with practical integration efforts to curate powerful and meaningful teaching and learning experiences for our teachers and students. To this end, given the vast disparities and difficulties language education in South Africa faces, this short course aims to equip high school language educators with the capacities to integrate ICTs for teaching and learning effectively.		

School of Education

Schools Development Unit

Short Learning Programmes (SLPs) Available for In-Service Teachers

Workshops

June 2025

The Schools Development Unit (SDU) is located in the School of Education at the University of Cape Town.
The SDU, as per its core business, offers a range of workshops in:

- Coding and Robotics (Introduction)
- ICT Integration in Teaching (High School and Primary School)
- Education for Sustainable Development
- Climate Change
- Mathematics (All topics as per the SA schools' curriculum)
- Languages (Reading, Writing, Mother Tongue Based Bilingual Education)
- Sciences (All topics as per the SA schools' curriculum)
- Leadership and Management
- Questioning and Assessment
- Mentoring
- Psychological First Aid for Teachers (Teacher Wellbeing)
- Workshop Facilitation Skills Development

Duration of workshops range from 1 hour to 6 hours. Pricing is according to duration

For further information contact:

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