



College of Teacher Education

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Matina Campus, Davao City

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**COLLEGE OF TEACHER EDUCATION
COURSE OFFERINGS FOR SCHOOL YEAR 2022-2023**

Academic Program: Bachelor in Secondary Education Major in English				
Course number	Course name	Course Description	No. of units	Semester
EDUC 110	The Teacher and the Community, School Culture and Organizational Leadership	This course focuses on society as a context upon which the schools have been established. Educational philosophies that are related to society as a foundation of schools and schooling shall be emphasized. Further, principals and theories on school culture and organizational leadership shall be included to prepare prospective teachers to become school leaders and managers.	3	1st Semester
ELT 211	Principles and Theories of Language Acquisition and Learning	This course is designed to examine the principles, factors, and context of language acquisition and learning based on theories and research findings.	3	1st Semester
ELT 212	Mythology and Folklore	Explores mythology and folklore from different countries to gain insights into people's origin, desires, fears, instincts, and needs.	3	1st Semester
ELT 311	Survey of Philippine Literature in English	This course exposes students to the rich repertoire of Philippine Literature written in English. This course aims to develop among the students the critical skills in reading and analyzing literary texts, to bolster their appreciative values and sense of pride towards the Filipino culture and ideals, and to promote habitual and discriminating taste in reading works of Filipino authors.	3	1st Semester
ELT 312	Survey of Afro-Asian Literature	This course surveys selected literary texts from Asia and Africa, particularly India, China, Japan, and the African nations south of Sahara along the socio-historical, philosophical, and literary underpinnings.	3	1st Semester
ELT 313	Survey of English and American Literature	This course engages students in a historical survey of selected literary works produced by understanding English and American literatures from its beginning to the 21st Century.	3	1st Semester
ELT 213	Speech and Theater Arts	This course is designed to examine the process of oral communications and the various forms of speech arts from public speaking and group discussions to debate, oral interpretation and dramatics.	3	1st Semester
ELT 214	Technical Writing	This course is designed to develop technical and scientific writing skills across disciplines.	3	1st Semester
ELT 314	Contemporary, Popular and Emergent Literatures	This course examines the development and distinction of the literary pieces written in the postmodern period or in 1945 to present and relate them to issues of the contemporary world.	3	1st Semester
ELT 315	Teaching and Assessment of the Macroskills	This course explores the nature of reading, writing, listening, and speaking; and the theoretical bases, principles, and methods and strategies in teaching and assessing the four macroskills. It aims to familiarize students with various strategies for pre-reading, during reading, and post reading; writing, listening, and speaking.	3	1st Semester
ELT 317	English for Specific Purposes	This course is designed to give students background view on English for Specific Purposes (ESP) as an alternative approach to English Language Teaching and emphasizes on theoretical concerns of ESP.	3	1st Semester
Academic Program: Bachelor in Secondary Education Major in Mathematics				
Course number	Course name	Course Description	No. of units	Semester
EDUC 109	The Teaching Profession	This course deals with the teacher as individual, classroom teacher, community teacher and global teacher. This emphasizes professionalization to cover teacher's status and levels of professional rewards & professionalism to improve competencies. This talks about the intricacies of teaching and about teaching both as a mission, a vocation, and a profession.	3	1st Semester

EDUC 104	Foundation of Special and Inclusive Education	This course shall deal with philosophies, theories and legal bases of special needs and inclusive education, typical and atypical development of children, learning characteristics of students with special educational needs (gifted and talented, learners with difficulty hearing, learners with difficulty walking/moving, learners with difficulty remembering and focusing, learning with difficulty with self-care) and strategies in teaching and managing these learners in the regular class.	3	1st Semester
EDUC 105	Assessment of Learning 1	This course is designed to allow learners to understand the rudiments of assessment and how assessment is carried out in the classroom level – as a science and as an art. Particularly, it focuses on the basic concepts of assessment and the development of assessment tools to improve the teaching/learning process. It also underscores the utilization of statistical tools in measuring the performance of students by group and individually.	3	1st Semester
MTH 212	Logic & Set Theory	This course is a study of mathematical logic which covers topics such as, propositions, logical operators, rules of replacement, rules of inference, algebra of logic and quantifiers. It also covers a discussion of elementary theory of sets such as fundamental concepts of sets and set operations. Theorems on sets and set operations will be proven using the rules of replacements and inferences in symbolic logic.	3	1st Semester
MTH 213	Elementary Statistics & Probability	This course equips the students with the basic statistical tools to understand various phenomena. The topics on mean, variance, sampling, and estimation eventually allow the students to be able to perform hypothesis testing on real-life problems from different fields. This course includes applications and data analysis with computations carried out using SPSS.	3	1st Semester
MTH 311	Calculus 3	This course aims to provide the students with an understanding of the applications of differentiation and integration in sequences, infinite series, power series, as well as of multiple integration for functions in several variables. Moreover, students will be able to apply these concepts to problem solving.	4	1st Semester
MTH 312	Linear Algebra	This course provides a basic understanding of vector spaces, including the study of matrices, their properties, and matrix operations. It shows the application of matrices in systems of linear equations and linear transformations.	3	1st Semester
EDUC 108	Building and Enhancing New Literacies Across the Curriculum	This course introduces the concepts of new literacies in the 21st century as an evolving social phenomena and shared cultural practices across learning areas. The 21st century literacies shall include: (a) globalization and multi-cultural literacy; (b) social literacy; (c) media literacy; (d) financial literacy; (e) cyber literacy/digital literacy; (f) ecological literacy; and (g) arts and creativity literacy. Field based inter disciplinary explorations and other teaching strategies shall be used in this course.	3	1st Semester
MTH 214	Calculus 1 with Analytic Geometry	This course equips the students with knowledge and skills needed to be able to determine the limits of a functions, to differentiate and integrate algebraic exponential, logarithmic and trigonometric functions in one variable. It also includes exposure to more challenging problems covering continuity and areas of a region.	4	1st Semester
MTH 215	Mathematics of Investment	This course primarily deals with money transactions associated with interest and time. This course equips the students with the mathematical tools needed in the practical applications of mathematical concepts in finance as well as to increase the students' competence in the mathematical analysis and computations of financial problems and stimulates them to look into situations that will enable wise planning and handling of prospective earnings.	3	1st Semester
MTH 313	Advanced Statistics	This course expands what the students have learned in elementary statistics and probability. The topics on parametric and non-parametric inferential statistics allow the students to be able to perform hypothesis testing on real-life problems from different fields. This course includes applications and data analysis with computations carried out using SPSS.	3	1st Semester
MTH 314	Principles & Strategies in Teaching Mathematics	This course deals with the application of the principles, the strategies in teaching and philosophical foundations of teaching mathematics. These are then applied in lesson planning and micro teaching.	3	1st Semester
Academic Program: Bachelor in Secondary Education Major in Science				
Course number	Course name	Course Description	No. of units	Semester
SCI 211/L	Genetics	This course deals with the principles of heredity and variation; its application in plant and animal breeding, and problems involved in it. It also includes biometrical treatment of qualitative and quantitative characters of both plants and animals. This also deals with exercises on chromosomal basis of inheritance, structure of genetic material, and Mendelian and NonMendelian inheritance.	4	1st Semester

SCI 212/L	Organic Chemistry	This course is designed to introduce fundamental concepts of organic chemistry including hybridization, structure, nomenclature, and the application of electronic and structural effects in predicting properties and reactivity. The different classes of organic compounds are also covered.	5	1st Semester
SCI 311/L	Cell and Molecular Biology	This course deals with the study of the structure and function of cellular organelles and inclusions including the relationship between cell and structure and biochemical reactions. It also includes basic discussions on the central dogma of molecular biology and updates on DNA technology.	4	1st Semester
GE 22	People and the Earth's Ecosystem	This course deals with the impacts of human activities on the environment and the consequences of environmental modification on human activity.	3	1st Semester
SCI 214	Astronomy	This course deals with the various motions observed in the heavens and the fundamental physical laws that govern them. This course also includes a discussion of the theories behind the formation of the solar system and other astronomical bodies.	3	1st Semester
SCI 213	Meteorology	This course deals with the study of fundamental atmospheric process such as weather and climate. Emphasis will be on elements of weather, cloud formation processes, seasonal winds, ITCZ and tropical cyclones. The issues of climate change, mitigation and adaptation will be discussed.	3	1st Semester
SCI 312/L	Waves and Optics	This course discusses the fundamental concepts of mechanical and electromagnetic waves. It describes the production and propagation of waves, its characteristics, types, and properties. It also deals with simple harmonic motion. This also gives emphasis on the nature and duality of light with emphasis on physical and geometric optics. Learning waves and optics allows the students to gain insights on the importance of waves on daily activities and applies the concepts and principles in problem solving	4	1st Semester
SCI 313/L	The Teaching of Science	This course deals with the goals, materials, content, assessment, management and methods of teaching science at the secondary level and provides opportunities for class observation and demonstration teaching.	4	1st Semester
Academic Program: Bachelor in Secondary Education Major in Social Studies				
Course number	Course name	Course Description	No. of units	Semester
SST 211	Geography 3	This course aims to analyze the essential processes shaping socio-cultural geographies of contemporary cities. It will discuss different issues affecting cities such as economy, culture, health, planning, human mobility, and transportation. It also includes topics on sustainability and the future of cities.	3	1st Semester
SST 212	Microeconomics	This course focuses in analyzing the market system, means of production, consumption, exchange, determinants of supply and demand, theories of consumer behavior, basic economic theories, and history of economics.	3	1st Semester
SST 311	Socio-Cultural Anthropology	This course deals with kinship, political economy and other social dimensions of human societies. It aims to familiarize the basic ideas, issues, concepts and principles of Anthropology	3	1st Semester
SST 312	Trends and Issues in Social Studies	This course explores the trends and issues in Social Studies within the context of a rapidly changing world and will employ multidisciplinary and interdisciplinary approaches in discussing and exploring the various trends and issues in the Social Studies /Science. It covers various challenges (geographical, political, economic, cultural, social and technological landscapes) affecting the Social Science curriculum.	3	1st Semester
SST 213	Law and Related Studies	This course helps students to understand the basic laws relevant to enabling oneself in dealing with issues from birth to death. It also includes practical law, and para-legal skills.	3	1st Semester
SST 122	Asian Studies	This course studies the world, its people, communities, and cultures with an emphasis on relations of and across space and place. It analyzes the geo-politics and its principles, cultures of the world and its relation to the environment. It focuses on how culture is shaped by the environment and vice versa.	3	1st Semester
SST 313	Teaching Approaches in Secondary Social Studies	The course provides a comprehensive overview of evidence based strategies and approaches for planning, implementing, managing and assessing effective learning experiences for students with emphasis on the relationship of educational theory and the development of practical teaching technique and strategies for teaching Social Studies effectively in Secondary classroom.	3	1st Semester
SST 314	Comparative Economic Planning	The course explores the contemporary field of comparative economic planning that has evolved from the traditional to modern economics, encompassing transition from a purely quantitative to mixed and behavioral economics.	3	1st Semester

SST 315	Basic of School Management and Administration	This course provides an introduction to school management and administration, including a basic knowledge of administrative doctrine and other concepts that inform and strengthen leadership behavior. It will also examine leadership skills and attributes and how those skills influence the variety of interrelationships and situations school leaders faced.	3	1st Semester
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EDUC 109	The Teaching Profession	This course deals with the teacher as individual, classroom teacher, community teacher and global teacher. This emphasizes professionalization to cover teacher's status and levels of professional rewards & professionalism to improve competencies. This talks about the intricacies of teaching and about teaching both as a mission, a vocation, and a profession.	3	2nd Semester
ELT 221	Language Programs and Policies in Multilingual Societies	This course provides a survey of local and international education language programs and policies that account for issues and considerations to relevant to the engagement of teachers in school settings.	3	2nd Semester
ELT 222	Children and Adolescent Literature	This course provides a survey of the categories and types of the world's literature for children and adolescents and channels effective pedagogical content and context.	3	2nd Semester
ELT 224	Teaching and Assessment of Grammar	This course is designed to encourage learners in understanding the distinctions between and among four types of grammar: functional, descriptive, prescriptive, and pedagogic. Aside from the emphasis on how teaching and assessment vary considering the four types, the course also provides opportunities to discover the role of grammar in achieving communicative competence.	3	2nd Semester
ELT 321	Language Learning Materials Development	This is designed to develop the application of the principles, methods, and approaches of translation and adaptation of various texts.	3	2nd Semester
ELT 322	Literary Criticism	This course provides students with opportunities to study the basic approaches to literary theory and criticism and their application to selected literary works.	3	2nd Semester
ELT 323	Campus Journalism	This course is primarily designed for students to develop skills and apply principles and strategies in writing for traditional and news media.	3	2nd Semester
Academic Program: Bachelor in Secondary Education Major in Mathematics				
Course number	Course name	Course Description	No. of units	Semester
EDUC 107	Assessment of Learning 2	This course is designed to help teacher education students in developing understanding and gain skills in crafting and utilizing alternative forms of assessment and grading system.	3	2nd Semester
MTH 221	Calculus 2	This course aims to further develop the students' understanding of differential and integral calculus. It covers the methods and techniques of integration, indeterminate forms, and improper integrals of algebraic and transcendental functions.	4	2nd Semester
MTH 222	Number Theory	This course is a study of the properties of numbers and their proofs. It presents the students with different methods of mathematical proving. It focuses on the discussion of the set of integers including Unique Prime Factorization, Divisibility Rules, Euclidean Algorithm, Linear Congruences and Linear Diophantine Equations.	3	2nd Semester
MTH 223	Modern Geometry	This course can be considered as an enrichment course after Plane Euclidean Geometry. It discusses the properties and applications of other types of geometries such as finite geometry, non-Euclidean geometry, and projective geometry.	3	2nd Semester

MTH 322	Abstract Algebra	This course is a study of basic algebraic structures such as groups, rings, integral domains, and fields. It provides a basic understanding of relations such as homomorphism focusing on isomorphism. It aims to enhance student's skills in constructing mathematical proofs and develop their symbolic thinking and appreciation of mathematical structures.	3	2nd Semester
Academic Program: Bachelor in Secondary Education Major in Science				
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EDUC 110	The Teacher and the Community, School Culture and Organizational Leadership	This course focuses on society as a context upon which the schools have been established. Educational philosophies that are related to society as a foundation of schools and schooling shall be emphasized. Further, principals and theories on school culture and organizational leadership shall be included to prepare prospective teachers to become school leaders and managers.	3	2nd Semester
SCI 221/L	Biochemistry	The course covers fundamental aspects of biochemistry and structure and dynamics of important cellular components. The structure, properties, functions and metabolism of carbohydrates, proteins, lipids and other important biochemical compounds are also discussed.	4	2nd Semester
SCI 222/L	Electricity and Magnetism	The course is designed to discuss knowledge of basic relationship between electricity and magnetism. It includes topics on electrostatics and magnetism, electric and magnetic fields in matter, electrodynamics and electromagnetic waves. It provides the students the mathematical relationship between current, voltage and resistance in an electric circuit. Students must gain skills in solving problems needing high mathematical analysis apart from the principles comprising this area of physics. Upon knowing the relationship between electricity and magnetism students must be able to apply the concepts and principles to real life situations for lifelong learning.	4	2nd Semester
SCI 223/L	Thermodynamics	This course deals includes temperature and heat, thermal properties of matter and laws of thermodynamics.	4	2nd Semester
SCI 321/L	Microbiology and Parasitology	This course deals with the study of bacteria, viruses, protozoan, fungi and helminths, their general characteristics, pathogenicity, source and mode of transmission. This course also covers the principles that underlie infection, disease control and prevention, as well as immunity. The impact of microorganisms of human health and environment, as well as their applications in industry are also given emphasis.	4	2nd Semester
SCI 322/L	Anatomy and Physiology	This course deals with the study of fundamental structures of the human body and their corresponding functions. It emphasizes the integration of the organ systems in relation to normal health and provides information on associated disorders. Also, this deals with the experiments involving the organ systems of the human body. It is also designed to develop the skills in the macroscopic and microscopic examinations of the tissues and organs of the human body.	4	2nd Semester
SCI 324	Assessment & Evaluation in Science	The course deals with the traditional and authentic assessment methods for evaluating science learning. It covers the purpose of instruction and assessment, the relationship of assessment to content and performance standards, and discussions on the issues and trends in assessment specifically in science teaching.	3	2nd Semester
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EDUC 108	Building and Enhancing New Literacies Across the Curriculum	This course introduces the concepts of new literacies in the 21st century as an evolving social phenomena and shared cultural practices across learning areas. The 21st century literacies shall include: (a) globalization and multi-cultural literacy; (b) social literacy; (c) media literacy; (d) financial literacy; (e) cyber literacy/digital literacy; (f) ecological literacy; and (g) arts and creativity literacy. Field based inter disciplinary explorations and other teaching strategies shall be used in this course.	3	2nd Semester
SST 222	Macroeconomics	The course is designed to understand the cause and effects of inflation, unemployment, fiscal and monetary policies, modes of taxation, international trade, national income, Gross National Policy, and consumer development index.	3	2nd Semester

SST 223	World History 2	This course provided a global overview to human experiences, patterns of development and connections among peoples, societies and nations. It focuses on topics related to industrial revolution, scientific and commercial revolution, world wars, and issues in modern world to contemporary periods.	3	2nd Semester
SST 321	Comparative Government and Politics	The course enables the students to compare countries, compare regional blocs, and the state system in terms of their current politico-economic conditions as shaped by socio-cultural and historical factors.	3	2nd Semester