

300442 UniReady Enabling Program for Regional Students Unit Descriptions

All units are worth 25 credit points unless stated otherwise

Unit	Syllabus
300447 (v.3) English Communication 013	Development of advanced note-making, summarising, paraphrasing and referencing skills. Identification of purpose, audience and author's point of view, main points and supporting detail in major thought relationships.
300452 (v.3) English Communication 014	Development of critical thinking, reading and listening skills by analysing text, discussing and expressing views, generating questions and drawing conclusions. Information retrieval skills, presenting and participating in tutorials and seminars.
300443 (v.3) Academic Writing 013	Learning to learn skills. Essay writing and planning: a concise thesis statement, basic components of an academic essay (introduction, body and conclusion), using cohesive devices within and between paragraphs, peer conferencing and writing in specified genres.
300446 (v.3) Academic Writing 014	Understanding the genre of the argumentative essay, interpreting directional words and their use in organising essays. Developing an academic style, understanding how to avoid plagiarism by developing sound referencing and quotation skills.
300453 (v.3) Introduction to the Humanities 013	Preparation to undertake an undergraduate program related to the humanities, health and social sciences. Development of a critical appreciation of the major perspectives from which human behaviour, attitudes, thoughts, interactions, literature, language, society, culture and communications are presented and interpreted.
300457 (v.3) Introduction to the Humanities 014	Following on from Introduction to the Humanities 013, further preparation to undertake an undergraduate program related to the humanities, health and social sciences. More detailed development of a critical appreciation of the major perspectives from which human behaviour, attitudes, thoughts, interactions, literature, language, society, culture and communications are presented and interpreted.
300458 (v.3) Commercial Studies 013	Development of a conceptual understanding and foundation of the theory and practice of economics and law. Economics - opportunity cost, production possibility trade-off, economics systems and the government's role, markets in action, price determination, the circular flow of goods and money, demand and supply, money and banking. Law - concepts and sources of laws, role of parliament, the legislative process, contracts, torts of negligence, property law, minor and family law.
300459 (v.3) Commercial Studies 014	Development of a conceptual understanding and foundation of the theory and practice of accounting and management. Accounting - balance sheet, general ledger, journals, profit determination, balance day adjustments, depreciation, cash budgets and ration analysis. Management - nature of management, managing a global environment, foundations of management, environment and corporate culture, managerial ethics and corporate culture, motivation and leadership and teamwork in organisations.

2314 (v.4) Mathematics 021	Basic algebra - transposition of formulae, indices, solution of equations. Trigonometry. Functions - polynomials, exponential, logarithmic, trigonometric, transformations and inverse. Differential calculus - limits, continuity, differentiation rules. Matrices. Bridging, not remedial, in nature.
11957 (v.3) Mathematics 022	Applications of differential calculus. Integral calculus - indefinite and definite integration, Simpson's rule, areas and applications. Vectors - basic ideas, component form, equation of a line, scalar product and applications. Wherever possible learning will be reinforced with the use of computer software and/or graphics calculators. Bridging, not remedial in nature.
10558 (v.4) Foundation Mathematics 041	Algebra revision. Functions: Introduction to calculus. Rules for differentiation and integration. Analysis of univariate and bivariate data. Time series. Introduction to probability. Linear programming.
10561 (v.4) Foundation Mathematics 042	Matrices. Applications of differentiation. Indefinite and definite integrals. Area under and between curves. Curve sketching Exported values. Special distributions - normal, exponential, binominal and poisson. Business applications. Probability Cumulative distribution functions. Discrete and continuous probability density functions.
300461 (v.3) Mathematics for Humanities 011	Critically interpret numerical data and statistics. Draw graphs. Calculate mean, median, mode, range and standard deviation. Apply sequences and series to predict outcomes.
300462 (v.3) Mathematics for Humanities 012	Critically interpret bivariate data and statistics. Draw scatter graphs. Calculate the correlation coefficient. Draw the line of best fit. Calculate seasonal and cyclical variations.
307628 (v.1) Chemistry 027	General chemistry involving elements and compounds, chemical bonding, structure of matter, stoichiometry, volumetric analysis, oxidation/reduction, shapes of molecules and intermolecular forces. Experiments involving quantitative analysis, introductory titrimetric analysis, measurement of heats and rates of reactions.
308006 (v.1) Chemistry 028	Colligative properties of solutions. Thermodynamics and equilibrium. Molecular equilibria. Chemical kinetics. Acids and bases. Salts and buffers. Principles and practice of chromatography. Introduction to organic chemistry - chemistry of the hydrocarbons. Functional group compounds. Aldehydes and ketones. Functional group compounds. Acids, bases and derivatives of acids.
307629 (v.1) Physics 013	Mechanics, translational and rotational motion. Energy, fluid dynamics and fluid properties. Mechanical and thermal properties of matter. Simple harmonic motion, wave motion and sound.
308005 (v.1) Physics 014	Optics, microscope and human vision. Electric charges, current electricity and electrical safety. Atomic and nuclear physics.

For further information
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