

VCE UNIT DESCRIPTIONS

UNITS 3 & 4

ALPHABETICAL LISTING OF UNITS

- **Accounting**
- **Art**
- **Biology**
- **Business Management**
- **Chemistry**
- **Design and Technology (Fashion/Textiles)**
- **Drama**
- **English/English as a Second Language**
- **English Language**
- **Food and Technology**
- **Further Maths**
- **Health & Human Development**
- **Industry & Enterprise**
- **Information Processing & Management**
- **International Studies**
- **Legal Studies**
- **Literature**
- **LOTE: Italian**
- **LOTE: Vietnamese**
- **Maths Methods**
- **Physical Education**
- **Physics**
- **Psychology**
- **Specialist Maths**
- **Studio Arts: Photography**
- **Visual Communication & Design**

NAME OF STUDY	ACCOUNTING
UNIT	THREE – RECORDING AND REPORTING FOR A TRADING BUSINESS

AREAS OF STUDY

1. **Recording of financial data** - focuses on the identification and recording of accounting data for a single activity sole trader.
2. **Balance day adjustments and reporting of accounting information** - focuses on the accounting processes required at balance day and the techniques of preparing final reports for a single activity sole trader.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Record financial data into appropriate accounting records using a double entry accrual– based system for a single activity sole trader and explain related aspects of this accounting system.
2. Record balance day adjustments, prepare financial reports and explain related aspects of the accounting system.

ASSESSMENT TASKS

Assessment tasks will be selected from the following: structured questions, folio of exercises, case study, tests/ exams.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to the final study score.

Mid-year examination will contribute 33% to the final study score.

NAME OF STUDY	ACCOUNTING
UNIT	FOUR– CONTROL AND ANALYSIS OF BUSINESS PERFORMANCE

AREAS OF STUDY

1. **Extension of recording and reporting**– builds on the accounting knowledge and skills development in Unit 3.
2. **Financial Planning and decision making**– focuses on the preparation of budgeted accounting reports and the analysis of financial and non-financial information for a single activity sole trader.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Record and report financial data and information using a double entry accrual– based system for a single activity sole trader and explain related aspects of this accounting system.
2. Prepare and analyse budgets, evaluate a business using a financial and non-financial information and suggest strategies to improve the profitability and liquidity of the business.

ASSESSMENT TASKS

Assessment tasks will be selected from the following: structured questions, folio of exercises, case study, tests/ exams.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to the final study score.

End of year examination will contribute 33% to the final study score.

NAME OF STUDY**ART****UNIT****THREE****AREAS OF STUDY**

1. **Investigation and interpretation:** this area of study focuses on the preparation of a sustained body of work within selected art forms or media in which personal art responses, concepts and observations are presented. It encourages the exploration of ideas through trialling and technical experimentation of materials and techniques.
2. **Interpreting art:** this area of study focuses on using interpretive frameworks to respond critically to artworks.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. On completion of this unit the student should be able to undertake a broad and innovative investigation, trialling materials and techniques within selected art form(s) and/or media to explore ideas, directions and personal concepts in a considered and insightful way.
2. On completion of this unit the student should be able to interpret different aspects of an artwork's meanings and messages and compare artworks through the application of interpretive frameworks.

ASSESSMENT TASKS

1. A body of work that presents a broad and innovative exploration of ideas and media.
2. A written report that interprets the meanings and messages of selected artworks.

ASSESSMENT

Students will gain a satisfactory completion of the unit when they have demonstrated the achievement of outcomes one and two.

School Assessed Coursework – outcome 2 contributes 10% of final assessment

School Assessed Task – work from outcome 1 contributes to task result that is 50% of final assessment

End of Year Examination: content from outcome 2 will be assessed in exam.

NAME OF STUDY**ART****UNIT****FOUR****AREAS OF STUDY**

1. **Realisation and resolution:** this area of study focuses on the preparation and final presentation of concepts, ideas and/or observations developed and refined from the visual directions explored in Unit 3.
2. **Discussing and debating art:** this area of study focuses on exploring the meanings and messages of art through the use of interpretive frameworks developed in Unit 3 and with reference to the points of view expressed in commentaries on art.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. On completion of this unit the student should be able to progressively realise and resolve with technical skill and awareness of aesthetic qualities a sustained and articulate body of work to communicate ideas, directions and/or personal concepts.
2. On completion of this unit the student should be able to critically discuss commentaries on artworks and apply interpretive frameworks in the analysis of selected artworks to support personal points of view about their meanings and messages.

ASSESSMENT TASKS

1. A body of work that progressively resolves and communicates ideas, directions or personal concepts
2. A written report that discusses commentaries of art works and uses interpretive frameworks to support students' point of view about the meanings of the artworks.

ASSESSMENT

Students will gain a satisfactory completion of the unit when they have demonstrated the achievement of outcomes 1 and 2.

School Assessed Coursework – outcome 2 contributes 10% of final assessment.

School Assessed Task – work from outcome 1 contributes to task result that is 50% of final assessment

End of year exam – content from outcome 2 will be assessed in exam.

NAME OF STUDY**BIOLOGY****UNIT****THREE****AREAS OF STUDY**

1. **Molecules of life**– investigates the activities of cells at molecules level and the role of enzymes in biological processes
2. **Detecting and Responding** - Focuses on how cells detect bimolecular responsible for “self” or “non-self” recognition process. Examines how hormones and neurotransmitters assist in regulating cell activities and mechanism of defence against pathogenic organisms.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyze and evaluate evidence from practical investigation related to biomedical processes.
2. Describe and explain the coordination and regulation of an organism’s immune response to antigens at the molecular level.

ASSESSMENT TASKS

1. A summary report of a practical activity related to a practical biochemical process
2. A written report of a practical activity on the movement of substances across membranes
3. A summary report of a plant or animal response to chemical and/or physical stimuli or a summary report of a practical activity related to bacterial response to chemical and/or physical stimuli
4. A presentation given orally or in annotated poster form on one aspect of the immune response or a web page or presentation in multimedia format one aspect of the immune response.

NAME OF STUDY**BIOLOGY****UNIT****FOUR****AREAS OF STUDY**

1. **Heredity** - focuses on malleolar genetics and the mechanisms and pathers of transmission of heritable traits,
2. **Change over time** - focuses on change to genetic material over time and the evidence that supports the concept of evolution. Also examines the effect of human intervention on evolutionary processes.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse evidence for the molleolar basis of heredity, and patterns of inheritance.
2. Analyse and evaluate evidence for evolutionary change and evolutionary relationships and describe mechanisms for change including the effect of human intervention on evolutionary processes.

ASSESSMENT TASKS

1. A summary report of a practical activity related to a genetic cross using first hand data.
2. A summary report of a practical activity on a DNA manipulation technique.
3. An oral or written report that demonstrates evolutionary relationships using 1st or 2nd hand data.
4. A response to an issue related to an application of gene technologies

NAME OF STUDY UNIT	BUSINESS MANAGEMENT THREE
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AREAS OF STUDY

Unit Three is called Corporate Management
There are three areas of study in Unit Three:

1. Large Scale Organisations in Context: This examines the characteristics of a large scale organisation and the indicators that are used to measure their performance.
2. Internal Environments of Large Organisations: This areas of study looks at the factors that influence large organisations such as management structures, corporate culture and management styles, skills and competencies
3. The Operations Management Function: This area of study looks at the role of management in order to transform inputs into outputs.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

There are three outcomes to be achieved by students in Unit 3:

1. Students should be able to describe and analyse the context in which large scale organisations operate.
2. Students will be able to describe and analyse the major aspects of the internal environments of large scale organisations
3. Students should be able to identify and evaluate practises and processes related to operations management.

ASSESSMENT TASKS

Students will complete a number of assessment tasks to achieve the set outcomes. These can be drawn from case studies, structured questions, media analysis, test, essay, report in either written or multi media format.

ASSESSMENT

Student performance on School Assessed Coursework will contribute 25 per cent to the students study score. Students will sit a two hour examination that contributes 50 per cent to the study score.

NAME OF STUDY UNIT	BUSINESS MANAGEMENT FOUR
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AREAS OF STUDY

Unit Four is called Managing People and Change
There are two areas of study in Unit Four:

1. The Human Resource Management Function: This examines the practises and processes of human resource managers in large scale organisations by focussing on the employment cycle and employee relations
2. The Management Of Change: Students will examine the importance of change management to large scale organisations and the way in which it can be managed effectively.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

There are two outcomes that student will need to satisfactorily complete in Unit 4:

1. Students should be able to identify and evaluate practises and processes related to human resource management.
2. Students should be able to analyse and evaluate the management of change in large scale organisations.

ASSESSMENT TASKS

Students will complete a number of assessment tasks to achieve the set outcomes. These can be drawn from case studies, structured questions, media analysis, test, essay, report in either written or multi media format.

ASSESSMENT

Student performance on School Assessed Coursework will contribute 25 per cent to the students study score. Students will sit a two hour examination that contributes 50 per cent to the study score.

NAME OF STUDY
UNIT

CHEMISTRY
THREE

AREAS OF STUDY

1. **Chemical Analysis** – uses a variety of techniques in the laboratory and stoichiometry to analyse products.
2. **Organic Chemical Pathways** – looks at molecular models and simple laboratory investigations to observe the properties and preparation of organic compounds. This includes forensic analysis and the development of medicines.

OUTCOMES TO BE ACHIEVED BY COMPLETION OF THE UNIT

1. Students should be able to evaluate the suitability of techniques and instruments used in chemical analysis.
2. Students should be able to identify and explain the role of functional groups in organic reactions and construct reaction pathways using organic molecules.

ASSESSMENT TASKS

School assessed Coursework (SACs). This consists of:

- An extended investigation selected from area 1 or 2.
- A written report of one practical activity from the area not used for the extended investigation.
- One task selected from the following:
 - o A response to stimulus material.
 - o An analysis of data using structured questions.
 - o A report related to chemical pathways.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all the outcomes.

School Assessed Coursework contributes 17% to the final assessment.

Mid-year Examination contributes 33% to the final assessment.

NAME OF STUDY
UNIT

CHEMISTRY
FOUR

AREAS OF STUDY

1. **Industrial Chemistry** – focuses on the factors that affect the rate and extent of reactions and the optimising of conditions in the industrial production of chemicals. One chemical is studied in detail.
2. **Supplying and using energy** – focuses on the use of different energy resources. In the experiments students measure the energy of reactions and construct galvanic and electrolytic cells (devices which produce or use electricity and involve chemical reactions). They apply stoichiometry to electrolysis reactions.

OUTCOMES TO BE ACHIEVED BY COMPLETION OF THE UNIT

1. Students should be able to analyse the factors that determine the optimum conditions used in the industrial production of the selected chemical.
2. Students should be able to analyse chemical and energy transformations occurring in chemical reactions.

ASSESSMENT TASKS

School assessed Coursework (SACs). This consists of:

- A summary report which includes three practical activities.
- A written report of one practical report from the area of study not used for the summary report.
- One task selected from the following:
 - o A response to stimulus material.
 - o An analysis of data using structured questions.
 - o A report related to chemistry at work.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to final assessment

End of Unit Examination contributes 33% to final assessment

NAME OF STUDY
UNIT

DESIGN TECHNOLOGY - FASHION
THREE

AREAS OF STUDY

1. **Designing for others** - needs and considerations when designing for others
2. **Product development** - research, production processes, stages in the product cycle, costs of production
3. **Designing for others**– folio development

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Explanation of the role of the designer, understanding of the client brief, considerations and restraints
2. Role of the manufacturer, influence of research and development, understanding of related technologies.
3. Development of a product (garment) for a client, demonstrating an understanding of specific needs.

ASSESSMENT TASKS

1. A folio that demonstrates design alternatives that satisfy specified client needs
2. Development of a design brief
3. A written report with accompanying visual material on an investigation of the process in commercial setting

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 10% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

DESIGN TECHNOLOGY - FASHION
FOUR

AREAS OF STUDY

1. **Product comparison** - function vs aesthetics needs vs wants
2. **Product Manufacture** - manufacture and development of a product according to brief
3. **Product Evaluation and Promotion**– methods of testing product's effectiveness– marketing and promotion of a product

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Demonstrate an understanding of the relationship between form and function-it looks great but does it do the job?
2. Demonstrate an understanding of critically assessing production techniques in relation to client needs identified in unit 3 -and develop a means testing the effectiveness of the completed garment
3. An understanding of the role of marketing in the success or failure in the development an sale of a product

ASSESSMENT TASKS

1. A written report on the relationship between the how a product looks and how it performs.
2. A production record including meetings with the client, reasons for modifications to the garment and evidence of testing the product in the marketplace– Folio
3. Written evaluation/techniques used to gather client feedback, total Quality management, Five P's of marketing

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 10% to final assessment

School Assessed Tasks for UNITS 3 & 4 contributes 50% to final assessment

End of Year Examination contributes 30% to final assessment

NAME OF STUDY

DRAMA

UNIT

THREE

AREAS OF STUDY

1. **Creating an ensemble performance** - involves the development of a non-naturalistic ensemble performance
2. **Analysing non-naturalistic performance** - involves analyzing a non-naturalistic performance selected from the prescribed play list

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. To develop and present character(s) within a non-naturalistic performance
2. To analyse and evaluate the development and realization of the ensemble performance and its character(s) from Outcome 1.
3. To analyse and evaluate a non naturalistic performance selected from the prescribed play list.

ASSESSMENT TASKS (School based)

1. Presentation of a character(s) within an ensemble performance (70 marks)
2. A written report (15 marks)
3. A written analysis and evaluation (15 marks)

ASSESSMENT

Total marks 100

Unit Three school based assessment is worth 35% of the study score.

NAME OF STUDY

DRAMA

UNIT

FOUR

AREAS OF STUDY

1. **Creating a solo performance** - involves the development of a solo performance from stimulus material using research, construction and performance techniques.
2. **Analysing a solo performance** - involve the analysis and evaluation of the processes involved in the conception and performance of solo work.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. To develop and perform a solo work selected from the prescribed structure
2. To analyse and evaluate processes involved in the preparation and realization of the student's own solo work.

ASSESSMENT TASKS (School Based)

1. A written report (15 marks)

School assessed course work for Unit 4—5% to the final study score.

ASSESSMENT TASKS (External)

Solo exam assessed by an external assessment panel

Written exam covering both Units 3 and 4

These exams contribute 60% of final study score.

The study score is calculated according to the following:

- School based assessment for Unit 3 (35%)
- School based assessment for Unit 4 (5%)
- Solo exam (35%)
- End of year written examination for Units 3&4 (25%)

NAME OF STUDY	ENGLISH/ ENGLISH AS A SECOND LANGUAGE
UNIT	THREE

AREAS OF STUDY

1. **Reading and Responding** - focuses on reading a range of literary texts to develop critical and supported responses.
2. **Creating and Presenting** - focuses on reading and writing and their interconnection.
3. **Language to Persuade** - focuses on the analysis and comparison of the use of language in texts that debate a topical issue which has appeared in the Australian media since 1 September of the previous year.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse, either orally or in writing how a selected text constructs meaning, conveys ideas and values and is open to a range of interpretations.
2. Draw on ideas and/or arguments suggested by a chosen context to create written texts for a specified audience and purpose and to discuss and analyse in writing their decision about form, purpose, language, audience and context.
3. Students should be able to analyse the use of language in texts that present a point of view on an issue currently debated in the Australian media and to construct orally or in writing a sustained and reasoned point of view on the selected issue.

ASSESSMENT TASKS

1. A detailed text response either orally or in writing
2. One sustained written text (900-1000 words) created for a specific audience and context with a written explanation of decisions about form, purpose, language, audience, and context or 3-5 shorter written texts.
3. A piece of writing which analyses the use of language in three or more persuasive texts that debate a current issue in the Australian media and a sustained and reasoned point of view on the selected issue in written or oral form.

FOR ESL STUDENTS: A sustained and reasoned point of view on the selected issue that demonstrates the persuasive use of language. This may be in written or oral form.

Only one oral is permitted.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY	ENGLISH / ENGLISH AS A SECOND LANGUAGE
UNIT	FOUR

AREAS OF STUDY

1. **Reading and Responding** - this area builds on Area of Study 1 in Unit 3. Students identify, discuss and analyse the structures, features and conventions of a range of texts to explore how these elements have been chosen by authors to construct meaning and how they affect interpretation.
2. The focus of this area of study is on reading and writing and their interconnection.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Develop and justify a detailed interpretation of selected texts
2. To be able to draw on ideas and arguments suggested by a chosen context to create written texts for a specified audience and purpose; and to discuss and analyse in writing their decisions about form, purpose, language audience and context.

ASSESSMENT TASKS

1. An extended written interpretation of one extended text. (English and ESL students)
2. One sustained written text created for a specific audience and context, with a written explanation of decisions about form, purpose, language, audience and context or three to five shorter pieces.
3. (FOR ESL STUDENTS) At least one sustained written text created for a specific audience and context or three to five shorter texts, created for specific audience/s and context/s

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY
UNIT

ENGLISH LANGUAGE
THREE

AREAS OF STUDY

1. **Language description** - involves understanding and using the linguistic terms needed to analyse and discuss language
2. **Englishes in contemporary Australia** - concerned with the varieties of Englishes and their relationship to identity, with particular emphasis on English used in Australia today.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse different varieties of language and language use, and a range of attitudes towards them
2. Identify and analyse the ways in which language features are used in social interaction
3. Identify and describe how language reflects personal, social and cultural understandings and constructs a sense of identity

ASSESSMENT TASKS

1. Written report on an investigation of language use
2. Written comparison of the way language features are used in societal interaction in different situations or an essay that responds to a contention relating to the use of language features in societal interaction
3. A folio of three written samples of the use of language to reflect or construct identity

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

ENGLISH LANGUAGE
FOUR

AREAS OF STUDY

1. **Language description** - involves understanding and using the linguistic terms needed to analyse and discuss language
2. **Texts in their contexts** - concerned with analysing the distinctive language features of different kinds of texts by considering the patterning and structure of the language and the relationship between context, content and form

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Investigate and describe the structures and features of a range of specific texts
2. Identify and analyse distinctive features of spoken English texts involving more than one speaker
3. Identify and analyse distinctive features of written English texts

ASSESSMENT TASKS

1. Written analysis of the structures and features of 3 different text types, including at least one written and one spoken text
2. Written analysis of a sample of a spoken English text involving more than one speaker
3. Short answer analysis of specific written texts

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment.

NAME OF STUDY	FOOD AND TECHNOLOGY
UNIT	THREE

AREAS OF STUDY

1. Food preparation and processing - develop an understanding of key foods and examine their natural food components and function
2. Maintaining food safety in Australia - develop an understanding of national, state and local authorities that govern food laws and standards in ensuring and maintaining food safety in Australia. In the food industry, hygienic food practices apply at all stages in this chain.
3. Developing a design plan folio– focuses on the development of a design plan to meet the requirements of a specific design brief.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse food preparation of and processing techniques for key foods using these techniques
2. Describe the role of national, state and local authorities in ensuring and maintaining a safe food supply within Australia
3. Develop a design plan folio that effectively satisfies the requirements of a design brief

ASSESSMENT TASKS

1. A multimedia report or a test or a short written report

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 30% to final assessment

End of Year Examination content from this unit will be assessed in the exam

NAME OF STUDY	FOOD AND TECHNOLOGY
UNIT	FOUR

AREAS OF STUDY

1. Implementing a design plan - focuses on the application of design and product development processes. Students investigate process and skills necessary to implement their previously developed design plans.
2. Product development - considers the type of food product development and the factors relating to these developments.
3. New and emerging food trends– explores the impact of technology on food production and the development of new and emerging foods.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Implement a design plan for a set of five to eight food items and evaluate the outcome of the product against requirements of the design brief developed in Unit 3
2. Analyse factors related to food product development and explain processes involved in the development and marketing of a food product.
3. Analyse new and emerging developments in food production

ASSESSMENT TASKS

1. Any one of a combination of; Production activities, a report, production folio or a test.

ASSESSMENT

School Assessed Course work for Unit 4 will contribute 15% to final assessment

School Assessed Task contributes 40% to final assessment

The level of achievement for Units 3 and 4 is also assessed by an end of year exam which will contribute 30% to the study score.

NAME OF STUDY	FURTHER MATHEMATICS
UNIT	THREE

Further Mathematics consists of a compulsory core area of study "Data Analysis" and then a selection of three from six module in the Application area of study

AREAS OF STUDY

1. **Data analysis** - consists of the core material
2. **Applications** - consists of the module material and covers module 4: Business related mathematics

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Define and explain key terms and concepts and use this knowledge to apply related mathematical procedures to solve routine application problems
2. Use mathematical concepts and skills developed in the data analysis area to analyse a practical and extended situation and interpret the outcome of this analysis in relation to key features of the situation
3. Select and appropriately use technology to develop ideas, produce results and carry out analysis.

ASSESSMENT TASKS

1. A data analysis applications task with several components of increasing complexity
2. An analysis task on the module 'Business Related Maths'

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 20% to final assessment

End of Year Examinations: content from this unit will be assessed two end of year exams which contribute 66% to the study score

NAME OF STUDY	FURTHER MATHEMATICS
UNIT	FOUR

AREAS OF STUDY

1. **Applications** - consists of the module material and covers the following: Module 2 Geometry and trigonometry, Module: Matrices

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Define and explain key terms and concepts and use this knowledge to apply related mathematical procedures to solve routine application problems
2. Apply mathematical processes in contexts related to the Applications area and to analyse and discuss these applications of mathematics
3. Select and appropriately use technology to develop ideas, produce results and carry out analysis.

ASSESSMENT TASKS

1. Two analysis tasks, one on each of the modules
2. An assignment where students have the opportunity to work on a broader range of problems

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 14% to final assessment

End of Year Examination 1: Multiple Choice Questions covering core and three selected modules - Contribution 33% to the study score

Examination 2: Four sets of extended answer questions from core and three selected modules: Contribution 33% to the study score.

**NAME OF STUDY
UNIT**

**HEALTH & HUMAN DEVELOPMENT
THREE**

AREAS OF STUDY

1. Understanding Australia's health
2. Promoting health in Australia

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. The student should be able to describe the health and nutrition status of Australians, analyse the factors that impact on both and explain the role of nutrition in public health.
2. The student should be able to analyse the roles and responsibilities of government and non-government organisations in promoting health and evaluate the effectiveness of diet and non-diet related initiatives to optimise health and development.

ASSESSMENT TASKS

There are three assessment tasks for this unit, designed to test students knowledge and understanding of the outcomes listed above.

ASSESSMENT

The student's level of achievement in Unit 3 will be determined by school-assessed coursework and an end -of -year examination.

**NAME OF STUDY
UNIT**

**HEALTH & HUMAN DEVELOPMENT
FOUR**

AREAS OF STUDY

1. Development across the life-span
2. Promoting health and development globally

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. The student should be able to describe the interrelationships between health and development, predict the characteristics of development common to all individuals, and analyse the impact of inherited and environmental factors on health and development.
2. The student should be able to analyse the factors contributing to similarities and differences between the health status of developing countries and that of Australia, and evaluate strategies implemented to optimise health and development in developing countries.

ASSESSMENT TASKS

There are three assessment tasks for this unit, designed to test the knowledge and understanding of the outcomes listed above.

ASSESSMENT

The student's level of achievement in Unit 4 will be determined by school-assessed coursework and an end -of -year examination.

NAME OF STUDY
UNIT

INDUSTRY AND ENTERPRISE
THREE

AREAS OF STUDY

1. **Developing an enterprise culture** - considers the role of enterprise and the development of an enterprising culture in relation to work and personal settings as a response to pressures and opportunities for change in Australia.
2. **Change in Australian industry** - concerned with pressures for change, opportunities for change and responses to change.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Evaluate the role of enterprising culture in work, including the importance of generic competencies and enterprise skills, based on experience at a workplace
2. Analyse pressures and opportunities for change and response to change in Australian industry

ASSESSMENT TASKS

1. A work placement report or a case study
2. A structured report or a report in multimedia format or an essay

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

INDUSTRY AND ENTERPRISE
FOUR

AREAS OF STUDY

1. **Aspects of change** - focuses on the following three aspects of change transforming the Australian workplace: Quality, technology, and workplace flexibility
2. **Training and workplace learning** - looks at training and workplace learning becoming more significant. Generic competencies and enterprise skills offer opportunities for creating a more flexible, adaptable and multi-skilled workforce.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Evaluate the role of quality, technology and workplace flexibility in the process of change for a selected Australian industry
2. Analyse the role of training and workplace learning in industry

ASSESSMENT TASKS

1. Two of: structured report, industry impact study, test
2. An essay or a report

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY
UNIT

INFORMATION PROCESSING (IT APPLICATIONS)
THREE

AREAS OF STUDY

1. Problem solving - students use problem solving methodology and strategies for managing projects. They use database management to create solutions and information products.
2. Organisations: networks and collaborative problem solving– students develop knowledge of types of networks, network architecture and protocols, functions and characteristics of network operating systems and the benefits of networks. Students design and create websites to meet an organization's needs of sharing information within a virtual environment.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Propose and apply project management and problem solving strategies to a solution and an information product using database management software.
2. Students design, create and evaluate a prototype website that meets an organisations needs to share information in a virtual environment and explain requirements of the networked information system that supports the use of the website.

ASSESSMENT TASKS

1. A solution and information product in response to a design brief. Students annotate the solution to indicate how the identified decision making needs are met and a project management plan and a record of progress, created using software tools.
2. A prototype website and one of the following that focuses on the evaluation of the website and the recommended network requirements for the organization and one team member.

ASSESSMENT

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY
UNIT

INFORMATION PROCESSING (IT APPLICATIONS)
FOUR

AREAS OF STUDY

1. Organisations and information needs - students develop knowledge of how information systems enable information needs to be met. They use a problem solving methodology, ICT techniques and procedures to produce ongoing solutions for ICT problems including the development of user documentation.
2. Data and information security– Students develop knowledge and understanding of accidental and deliberate actions that compromise/attack the security of data and ways to manage data to best secure and protect it. They also study current laws relating to data security.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Use a spreadsheet to solve an ongoing information problem and evaluate the effectiveness of their problem solving strategies.
2. Evaluate the effectiveness of the strategies used by organisations to manage the storage, communication and disposal of data and recommend improvements.

ASSESSMENT TASKS

1. A solution and information product in response to a design brief. Students annotate the solution and information product to indicate how the information needs of an organization are met. They also produce on screen user documentation and a visual representation that retraces the decisions made and the actions taken when problem solving and evaluates the effectiveness of these strategies.
2. A written report, a test or an annotated visual representation.

ASSESSMENT

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY
UNIT

INTERNATIONAL POLITICS
THREE

AREAS OF STUDY

1. **Globalisation and Internationalism** - investigates how globalization has become a powerful factor influencing the way people live and interact with each other and the ways in which states operate. It's positive and negative effects
2. **Global Conflicts** - causes and nature of conflict in the Post Cold War world, including global terrorism and responses to it.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse the concepts of globalization and internationalism and evaluate the impact on the role of the state and the concept of sovereignty.
2. Evaluate and analyse the nature of conflict in the Post Cold war period.

ASSESSMENT TASKS

1. Any one or more for each outcome of the following:
2. A case study, an essay, a report, a test, a multi-media presentation, structured questions . Short answer questions, an extended response. (50 marks+ 50 marks)

NAME OF STUDY
UNIT

INTERNATIONAL POLITICS
FOUR

AREAS OF STUDY

1. **Power in the Asian Pacific region** - the concept of national interest and the way in which states use power in the Asia Pacific region.(not Australia)
2. **Australian Foreign Policy:** examines the nature of Australia's position in the region and the world and the way it's national interests has been conceived and pursued.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse and evaluate types and forms of power used by states and groups in the Asia-pacific region.
2. Analyse those factors that have influenced Australia in its definition and pursuit of national interest and evaluate the effectiveness of the strategies and policies adopted.

ASSESSMENT TASKS

1. As for Unit 3.

ASSESSMENT

School Assessed Course work contributes 50% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY**LEGAL STUDIES****UNIT****THREE****AREAS OF STUDY**

1. **Parliament and the citizen** - looks at the principles of the Australian parliamentary system and how and why laws change.
2. **Constitution and the protection of rights**– looks at the role of the Commonwealth Constitution and its role in establishing and restricting law making powers of the Commonwealth Parliament. It also looks at the role of the Constitution in protecting the democratic rights of Australian citizens.
3. **Role of the Courts.** - this looks at the role of the courts in law making.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Describe the role and effectiveness of Parliament as a law making body, evaluate the need for change in the law and the ways in which change can be influenced.
2. Explain the role of the Commonwealth Constitution in defining law making powers and protecting democratic and human rights
3. Describe the role and evaluate the effectiveness of the courts in law making and their relationship to Parliament.

ASSESSMENT TASKS

1. Folio of three analytical tasks
2. Selected from the following: assignment, essay, multimedia report, test
3. Selected from the following: essay, report, analysis of legal commentary

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% of final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY**LEGAL STUDIES****UNIT****FOUR****AREAS OF STUDY**

1. **Criminal cases and civil disputes** - looks at the functions of the courts in our hierarchy and the operation of tribunals
2. **Elements of an effective legal system** - focuses on criminal and civil pre trial processes, the adversary system and the operation of the jury system.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Describe and evaluate the effectiveness of institutions for solving civil disputes and criminal cases
2. Identify and explain the elements of an effective legal system and evaluate the processes and procedures for resolving civil disputes and criminal cases.

ASSESSMENT TASKS

1. Selected from the following: assignment, test, annotated visual display, multimedia report

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY

LITERATURE

UNIT

THREE

AREAS OF STUDY

1. **Adaptations and transformations** – focuses on how the form of the text is significant in the making of meaning. Students recognize the major divisions of poetry, drama and prose and how these literary forms can be divided into genres such as crime fictions, science fiction, fantasy and romance. Students use these understandings to reflect on the way meaning changes when the form of the text is changed.
2. **Views, values and contexts** – focuses on the consideration of the views and values in texts, and the way in which these are expressed to create particular perspectives of the world. Students inquire into the ways readers may arrive at differing interpretations and judgments about a text and the bases on which they are developed. Through close attention to ideas, incidents, characters and images, students justify their interpretation of a text.
3. **Considering alternative viewpoints**– Focuses on how various interpretations and judgments about a text can contribute to the students' interpretation. Through engaging with the viewpoints of others, for example in a review, critical essay or commentary, they consider what is questioned by a text and how they are positioned by the writer's choice of language.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse how meaning changes when the form of a text changes
2. Analyse and interpret the views and values of a text in terms of the ideas, social conventions and beliefs that the text appears to explore, endorse, challenge or leave unquestioned
3. Evaluate the views of a text and make comparisons with their own interpretation.

ASSESSMENT TASKS

Assessment tasks will be designed to demonstrate that the student has met the outcomes and may be in written, oral and or multil-media form.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Coursework: contributes 25% to final assessment

End of Year Examination: content from this unit will be assessed in the exam which contributes 50% to the study score.

NAME OF STUDY

LITERATURE

UNIT

FOUR

AREAS OF STUDY

1. **Creative responses to texts** – focuses on the imaginative techniques used for creating and recreating a literary work.
2. **Close Analysis**– focuses on detailed scrutiny of the style, concerns and construction of a text.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Respond imaginatively to a text, and comment on the connections between the text and the response
2. Analyse critically the features of a text, relating them to an interpretation of the text as a whole.

ASSESSMENT TASKS

School assessed course work will contribute 25% to the study score. It could be drawn from the following, reading, journal entries, oral/written review, an original piece of writing responding to a text studied, multi media presentation, passage analysis, debate, essay (interpretive/comparative/analytical) dramatic interpretation of text.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Coursework: contributes 25% to final assessment

End of Year Examination: contributes 50% to final assessment

NAME OF STUDY	LOTE - ITALIAN
UNIT	THREE

AREAS OF STUDY

1. **Themes, topics and sub-topics** - looks at the individual, the Italian speaking community and the changing world.
2. **Text types** - looks at text types such as advertisements, conversations, announcements, news items, songs, interviews and surveys
3. **Kinds of writing** - personal, informative, persuasive, evaluative, imaginative
4. **Vocabulary** - students will be familiar with a range of vocabulary and idioms
5. **Grammar** - students recognise and use grammatical terms

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Express ideas through the production of original texts
2. Analyse and use information from spoken texts
3. Exchange information, opinions and experiences

ASSESSMENT TASKS

1. Personal or imaginative written piece
2. Response to specific questions, messages or instructions - extracting and using information requested
3. A three to four minute role-play

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

Two end of Year Examinations: content from this unit will be assessed in the exams

NAME OF STUDY	LOTE – ITALIAN
UNIT	FOUR

AREAS OF STUDY

1. **Themes, topics and sub-topics** - looks at the individual, the Italian speaking community and the changing world.
2. **Text types** - looks at text types such as advertisements, conversations, announcements, news items, songs, interviews and surveys
3. **Kinds of writing** - personal, informative, persuasive, evaluative, imaginative
4. **Vocabulary** - students will be familiar with a range of vocabulary and idioms
5. **Grammar** - students recognise and use grammatical terms

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse and use information from written texts
2. Respond critically to spoken and written texts that reflect aspects of the language and culture of the Italian speaking community

ASSESSMENT TASKS

1. Response to specific questions, messages or instructions - extracting and using information
2. Written response and a 3 to 4 minute interview on an issue related to the texts studied

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

Two end of Year Examinations (based on Units 3 and 4) will contribute 50% of the study score.

NAME OF STUDY	LOTE - VIETNAMESE
UNIT	THREE

AREAS OF STUDY

1. **Themes, topics and sub-topics** - looks at the individual, the Vietnamese speaking community and the changing world.
2. **Text types** - looks at text types such as advertisements, conversations, announcements, news items, songs, interviews and surveys
3. **Kinds of writing** - personal, informative, persuasive, evaluative, imaginative
4. **Vocabulary** - students will be familiar with a range of vocabulary and idioms
5. **Grammar** - students recognise and use grammatical terms

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Express ideas through the production of original texts
2. Analyse and use information from spoken texts
3. Exchange information, opinions and experiences

ASSESSMENT TASKS

1. Personal or imaginative written piece
2. Response to specific questions, messages or instructions - extracting and using information
3. A 3 to 4 minute role-play

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY	LOTE - VIETNAMESE
UNIT	FOUR

AREAS OF STUDY

1. **Themes, topics and sub-topics** - looks at the individual, the Vietnamese speaking community and the changing world.
2. **Text types** - looks at text types such as advertisements, conversations, announcements, news items, songs, interviews and surveys
3. **Kinds of writing** - personal, informative, persuasive, evaluative, imaginative
4. **Vocabulary** - students will be familiar with a range of vocabulary and idioms
5. **Grammar** - students recognise and use grammatical terms

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse and use information from written texts
2. Respond critically to spoken and written texts that reflect aspects of the language and culture of the Vietnamese speaking community

ASSESSMENT TASKS

1. Response to specific questions, messages or instructions - extracting and using information
2. Written response and a 3 to 4 minute interview on an issue related to the texts studied

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY
UNIT

MATHEMATICAL METHODS
THREE

AREAS OF STUDY

1. **Functions and Graphs**
2. **Algebra**
3. **Calculus**
4. **Probability**

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Define and explain key concepts and apply a range of related mathematical routines and procedures
2. Apply mathematical processes in non-routine contexts and analyse and discuss these applications of mathematics
3. Select and appropriately use technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modeling or investigative techniques or approaches.

ASSESSMENT TASKS

1. A function and calculus application task with an emphasis on outcomes 2 and 3
2. Two tests designed to cover material from each area of study in relation to outcomes 1 and 3

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 20% to final assessment

End of Year Examinations: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

MATHEMATICAL METHODS
FOUR

AREAS OF STUDY

1. **Functions and Graphs**
2. **Algebra**
3. **Calculus**
4. **Probability**

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Define and explain key concepts and apply a range of related mathematical routines and procedures
2. Apply mathematical processes in non-routine contexts and analyse and discuss these applications of mathematics
3. Select and appropriately use technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem-solving, modeling or investigative techniques or approaches.

ASSESSMENT TASKS

1. Item response analysis for a collection of multiple choice questions or a set of skills questions
2. A set of application questions requiring extended analysis in relation to a particular topic or topics

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 14% to final assessment

End of Year Examinations Facts, skills and applications task - 22% Analysis task - 44%

NAME OF STUDY
UNIT

PHYSICAL EDUCATION
THREE

AREAS OF STUDY

1. **Monitoring and promotion of physical activity** - focuses on patterns of participation in physical activity and the NPAG. Students assess their own and others activity levels and research physical activity promotion.
2. **Physiological requirements of physical activity** - explores energy systems, fatigue and recovery.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Analyse individual and population levels of participation in physical activity and evaluate strategies that promote adherence to NPAG.
2. Analyse the role and relative contribution of energy systems during physical activity.

ASSESSMENT TASKS

1. A written report focusing on analysis of individual and community patterns of participation.
2. A written report/case study analysis/ test/visual or multimedia presentation or a media analysis which focuses on strategies that promote participation in physical activity.
3. Lab report analyzing the relative energy contribution of energy systems when undertaking aerobic and anaerobic physical activity.
4. A written report/case study analysis/ test/or data analysis which focuses on energy systems, muscular fatigue and recovery.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

PHYSICAL EDUCATION
FOUR

AREAS OF STUDY

1. **Enhancing fitness through training** - focuses on the components of fitness and the assessment of fitness from a physiological perspective. Fitness testing, training principles and training methods are examined in order to improve fitness.
2. **Strategies for enhancing sports performance** - focuses on factors and strategies that limit and influence performance in physical activities.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Students should be able to plan and evaluate training programs to enhance fitness.
2. Students should be able to evaluate practices and strategies that are used in conjunction with each other to enhance sports performances.

ASSESSMENT TASKS

1. Lab report on activity analysis and justification of fitness tests as part of planning for a training program.
2. A written report/case study/test or structured questions on the application and evaluation of training methods and the principles of training to a specific physical activity or sport.
3. A written report that focuses on the chronic adaptations to training.
4. A written report/case study/test/structured questions or lab report which identifies and analyses various strategies used to enhance sporting performance.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 25% to final assessment

End of Year Examination contributes 50% to final assessment

NAME OF STUDY
UNIT

PHYSICS
THREE

AREAS OF STUDY

1. **Sound** - involves the use of the wave model of sound to study the way music is made using wind and stringed instruments
2. **Electric power** - involves students studying the generation, transmission and use of electric power
3. **Electric systems** - involves students learning about the "basic building blocks" of electronic systems including digital timers and warning systems.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Describe the wave model of sound and apply it to both the behaviour of sound and sound related technology
2. Explain the generation, transmission, distribution and use of electric power
3. Analyse and interpret electronic systems as combinations of basic electronic devices

ASSESSMENT TASKS

1. A summary report of selected practical activities from the student's logbook
2. Two of the following tasks: written report, tests, data analysis, written response to a media item

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to final assessment

End of Unit Examination contributes 33% to final assessment

NAME OF STUDY
UNIT

PHYSICS
FOUR

AREAS OF STUDY

1. **Motion** - using the context "transport and safety" students apply Newtonian ideas about motion.
2. **Gravity** - students explore the motion of the solar system and satellite technology.
3. **Structures and material** - students learn about the safety and construction of bridges and buildings and the materials they are made from.
4. **Ideas about light and matter** - students learn about the wave model of light.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Explain and apply Newtonian ideas about motion
2. Compare the properties of construction materials and describe the forces acting when materials are arranged and connected in different ways to form structures
3. Relate aspects of the wave particle model to the nature of light and matter
4. Design, carry out and report on an experimental investigation

ASSESSMENT TASKS

Assessment tasks will be selected from the following:

Written report, tests, data analysis, written response to a media item

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to final assessment

End of Unit Examination contributes 33% to final assessment

NAME OF STUDY
UNIT

PSYCHOLOGY
THREE

AREAS OF STUDY

1. **Biological bases of behaviour** - focuses on the nervous system, the brain and arousal
2. **Visual perception** - focuses on perception and the visual sensory system (sight)
3. **States of consciousness** - focuses on states of consciousness and explores relationships between thoughts, feelings and behaviour

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Explain the role of the nervous system
2. Explain the processes in visual sensation and perception
3. Compare the characteristics of normal waking consciousness and altered states of consciousness

ASSESSMENT TASKS

1. Test on biological bases of behaviour
2. Poster or multimedia presentation on Gestalt principles of visual perception
3. Empirical research activity on states of consciousness

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to final assessment

End of Unit Examination contributes 33% to final assessment

NAME OF STUDY
UNIT

PSYCHOLOGY
FOUR

AREAS OF STUDY

1. **Memory** - explores the characteristics of human memory and factors that influence retention and recall.
2. **Learning** - focuses on different learning theories.
3. **Research methods in Psychology** - develops student understanding and use of research methods.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Compare theories on memory
2. Compare, contrast and explain different models of learning
3. Explain and evaluate the research methods that are used to interpret research findings

ASSESSMENT TASKS

1. Empirical research activity on recall and recognition
2. Poster comparing and contrasting classical conditioning and operator conditioning
3. Test on research methods

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 17% to final assessment

End of Unit Examination contributes 33% to final assessment

NAME OF STUDY**SPECIALIST MATHEMATICS****UNIT****THREE****AREAS OF STUDY**

1. **Functions, relations and graphs** - sketch graphs of functions with asymptotic behaviour, ellipses and hyperbolas definition and graphs of reciprocal functions, identities, compound and double angle formulas, graphs of restricted circular functions and their inverses
2. **Algebra** - functions of a real variable, complex numbers and representations of relations and regions in the complex plane
3. **Calculus** - differential and integral calculus, differential equations and kinematics
4. **Vectors** in two and three dimensions
5. **Mechanics**

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Define and explain key terms and concepts and apply a range of mathematical routines and procedures
2. Apply mathematical processes in non-routine contexts and analyse and discuss these applications
3. Select and appropriately use technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modelling or investigative techniques or approaches

ASSESSMENT TASKS

Two analysis tasks selected from

1. Assignment focusing on a broader range of problems
2. an item response analysis for a collection of multiple choice questions
2. Set of applications questions requiring extended response analysis in relation to a particular topic or topics
3. short and focused investigation, challenging problem or modelling task

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 14% to final assessment

End of Year Examinations content from this unit will be assessed in the exam

NAME OF STUDY**SPECIALIST MATHEMATICS****UNIT****FOUR****AREAS OF STUDY**

1. **Functions, relations and graphs** - sketch graphs of functions with asymptotic behaviour, ellipses and hyperbolas definition and graphs of reciprocal functions, identities, compound and double angle formulas, graphs of restricted circular functions and their inverses
2. **Algebra** - functions of a real variable, complex numbers and representations of relations and regions in the complex plane
3. **Calculus** - differential and integral calculus, differential equations and kinematics
4. **Vectors in two and three dimensions**
5. **Mechanics**

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Define and explain key terms and concepts and apply a range of mathematical routines and procedures
2. Apply mathematical processes in non-routine contexts and analyse and discuss these applications
3. Select and appropriately use technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modelling or investigative techniques or approaches

ASSESSMENT TASKS

1. A problem solving or modelling application with several components of increasing complexity.
2. Two tests

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes. School Assessed Course work contributes 20% to final assessment. End of Year Examination 1 22% Examination 2 - 44%

NAME OF STUDY

STUDIO ARTS - PHOTOGRAPHY

UNIT

THREE

AREAS OF STUDY

1. **Work Brief:** the development of a work brief that creates a framework for the design process.
2. **Design process:** the exploration and development of the design process documented in the work brief in order to develop a range of potential solutions that will form the basis for the production of a folio of finished artworks.
3. **Professional art practices and styles:** professional art practices in relation to particular art forms and the development of distinctive styles in artworks.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Prepare a work brief that formulates the design process and plan how this will be undertaken
2. Present a design process that produces a range of potential solutions to the aims and ideas documented in the work brief
3. Discuss art practices in relation to particular art forms and analyse ways in which artists develop distinctive styles in their artwork.

ASSESSMENT TASKS

A work brief and developmental folio that presents a design process that explores and develops the aims and ideas set out in the work brief and produces a range of potential solutions.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Task contributes 33% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY

STUDIO ARTS - PHOTOGRAPHY

UNIT

FOUR

AREAS OF STUDY

1. **Focus statement:** the preparation of visual and written documentation in the form of a focus statement.
2. **Folio:** the production of a cohesive folio of finished artworks developed from potential solutions.
3. **Art industry contexts:** the presentation of artworks and current art industry issues, such as the conservation and displaying of artworks.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Present a focus statement in visual and written form that documents how potential solutions will be used to produce a cohesive folio of finished artworks.
3. Present a cohesive folio of finished artworks that skilfully apply materials and techniques, resolve the aims, ideas and aesthetic qualities, and communicate the student's ideas.
4. Analyse and discuss roles and methods involved in the presentation of artworks and analyse and discuss current art industry issues.

ASSESSMENT TASKS

School-assessed task 2: A focus statement and a cohesive folio of finished artworks.

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Task contributes 33% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

VISUAL COMMUNICATION AND DESIGN
THREE

AREAS OF STUDY

1. **Communication design** - focuses on the role of design in visual communication production process.
2. **Communication analysis** - focuses on analysis and evaluation of examples of visual communication.
3. **Investigating professional practice** - focuses on the visual communication production process in a professional setting.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Use manual and electronic production systems and apply the visual communication process to design final presentations that satisfy a specified communication need
2. Analyse and evaluate the effectiveness of a range of visual communications
3. Describe the roles of professional communicators and analyse processes and procedures used in practice

ASSESSMENT TASKS

1. A folio that demonstrates design alternatives that satisfy specified communications needs
2. A written report with accompanying visual material analysing the effectiveness of a range of visual communications
3. A written report with accompanying visual material on an investigation of the process in a professional setting

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Course work contributes 33% to final assessment

End of Year Examination: content from this unit will be assessed in the exam

NAME OF STUDY
UNIT

VISUAL COMMUNICATION AND DESIGN
FOUR

AREAS OF STUDY

1. **Developing a brief** - focuses on the preparation of a brief that proposes and defines the communication needs of a client
2. **Solutions to a brief** - focuses on the production of developmental work that explores design concepts consistent with the requirements of the brief. Final presentations based on the developmental work are also produced and the visual communication production process is applied throughout the production of solutions to the brief.

OUTCOMES TO BE ACHIEVED BY THE COMPLETION OF THE UNIT

1. Prepare one brief that describes a client's communication needs and specifies resolutions and final presentations suitable for the stated audience
2. Prepare developmental work that explores design concepts relevant to the requirement of the brief developed for Outcome 1 and fulfils the requirements of that brief
3. Produce two final presentations that satisfy the requirements of the brief developed in Outcome 1

ASSESSMENT TASKS

1. Preparation of one brief that describes a client's communication needs
2. A folio that provides evidence of the exploration of design concepts
2. Two final presentations that satisfy the brief developed in Outcome 1

ASSESSMENT

Students will gain a satisfactory completion when they have demonstrated achievement of all outcomes.

School Assessed Task contributes 33% to final assessment

End of Year Examination contributes 34% to final assessment