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| CODE | ATAR |
|------|-------|
| ABS | YES A |

Aboriginal Studies

What will I do in this subject?

Students will study the experiences of Aboriginal peoples in a historical and contemporary setting and the contribution of Aboriginal cultures and communities to Australian society. Students will examine social justice and human rights issues, the diversity of contemporary Aboriginal cultural, political, social and economic life and government policies, legislation and judicial processes and their impact on Aboriginal peoples.

The Preliminary Course covers Aboriginality and the land; heritage and identity; colonialism racism and prejudice.

The HSC course covers social justice and human rights issues and re-examines some Preliminary topics in a modern setting.

What skills will I gain from this subject?

Students will learn to:

- investigate issues
- process and communicate information from a variety of perspectives
- analyse and synthesise information
- participate in community consultation and fieldwork
- apply ethical research practices
- compare and evaluate the histories of indigenous Australian peoples
- pursue independent reason.

How much practical/theory work is in this subject?

This subject is theory based and includes a compulsory HSC examination. As well, students must complete case studies and a final major project which comprises 30% of course time and contributes 40% to the final assessment mark.

Section III of the HSC examination is based on this major project.

What background and skills are recommended for this subject?

An interest in research and inquiry methods is helpful but not essential.

Are there additional requirements for this subject?

Students must complete a final major work/project which contributes to the final assessment mark.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

Aboriginal Studies provides a flexible structure to prepare students for tertiary education through University, TAFE or other Tertiary Institutions. The skills, knowledge and values gained by studying this course are particularly applicable to law, teaching, health sciences, human relations, economics and business and careers in history and political science.

| CODE | ATAR |
|------|-------|
| AH | YES A |

Ancient History

What will I do in this subject?

Ancient History offers 2U Preliminary and HSC courses with the option of 1Unit Extension in the HSC.

The Preliminary course is structured to provide students with opportunities to investigate past people, groups, events, institutions, societies and historical sites from the sources available, by applying the methods used by historians and archaeologists.

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It covers:

- I: Investigating Ancient History
- II: Features of Ancient Societies
- III: Historical Investigation – students will investigate an aspect of a case study or an ancient society different from that undertaken in Part I and II.

In the HSC course, students use archaeological and written evidence to investigate a core study, a personality from the ancient world, one ancient society and one historical period. The HSC course requires study from at least two of the following areas: Egypt, Near East, China, Greece and Rome.

It covers:

- I: Core: Cities of Vesuvius - Pompeii and Herculaneum
- II: One Ancient Society: Spartan Society to the battle of Leuctra 371 BC
- III: One Personality in Their Time: Xerxes
- IV: One Historical Period: The Greek World 500-440 BC

The HSC History Extension Course involves the study and evaluation of the ideas and processes used by historians to produce history. Part I – students investigate constructing history through readings and through a case study. Part II – students design, undertake and communicate a personal historical inquiry by analysing the historiography of an aspect of history. In order to do History Extension in the HSC course, students must be in the top 10% of students in the preliminary course. Also, students must be studying Modern or Ancient History in the HSC course.

What skills will I gain from this subject?

Students will gain the following skills: collect, analyse and organise information, communicate ideas and information in written and oral form, plan and organise activities, teamwork, use appropriate information technologies, understand the influence of the ancient past on the present and future, understand, value and respect different viewpoints, ways of living, beliefs and languages.

How much practical/ theory work is there in this subject?

This is a predominantly theoretical subject. In completing coursework, and as part of assessments, students will spend time collecting, research, particularly in the Preliminary Historical Investigation, using technology.

What background and skills are recommended for this subject?

Analytical skills, essay writing skills, researching, wide reading.

Are there additional requirements for this subject?

There are none for this course.

Are there any exclusions for this subject?

There are no exclusions for this subject

How will this course help me in the future?

Skills developed in the study of Ancient History are useful in a range of courses studied at university and TAFE NSW as well as in the workforce and everyday life. They are particularly applicable to law, teaching, medicine, psychology, travel and tourism, librarianship, communications, social work and journalism. HSC History Extension will provide you with critical and reflective thinking skills that are essential for effective participation in work, higher learning and the broader community. Higher order skills and methodologies will be of great value for those undertaking tertiary studies and are transferable between disciplines.

| CODE | ATAR |
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| BIO | YES A |

Biology

What will I do in this subject?

The study of Biology in Stage 6 enables students to develop an appreciation and understanding of biological concepts that are used to explore the diversity of life, from a molecular to a biological systems level, and the interactions between living things and the environments in which they live. Through applying Working Scientifically skills processes and the use of biological technologies, the course aims to examine how biological practices are developed and used.

Year 11 modules:

- Cells as the Basis of Life
- Organisation of Living Things
- Biological Diversity
- Ecosystem Dynamics

Year 12 modules:

- Heredity
- Genetic Change
- Infectious Disease
- Non-infectious Disease and Disorders

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- foster the intellectual, creative, ethical and social development of students.
- application of knowledge, skills, understanding, values and attitudes in the fields of study they choose.
- capacity to manage their own learning and to become flexible, independent thinkers, problem-solvers and decision-makers.
- capacity to work collaboratively with others.
- respect for the cultural diversity of Australian society.
- promote the development of students' values, identity and self-respect.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of both the Year 11 and Year 12 course and must occupy a minimum of 70 hours of course time, including time allocated to practical investigations in depth studies.

What background and skills are recommended for this subject?

This subject is for students with substantial achievement in stage 5 Science and are seeking university entrance.

Students need good organisation, a sound work ethic and skills in following laboratory procedures, using laboratory apparatus, research from sources, interest in detailed investigation, use of technology, graph work, problem solving and independent work in class and at home.

Are there additional requirements for this subject?

During both the Year 11 and Year 12 courses you will complete a 15 hour depth study for each science course.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus. It may be one investigation/activity or a series of investigations/activities.

Are there any exclusions for this subject?

No, although you cannot do more than three (3) Science courses in each year.

(cont. over)

How will this course help me in the future?

The course provides the foundation knowledge and skills required to study biology after completing school, and supports participation in a range of careers in biology and related interdisciplinary industries. It is a fundamental discipline that focuses on personal and public health and sustainability issues, and promotes an appreciation for the diversity of life on the Earth and its habitats.

| CODE | ATAR |
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| VETBS | YES B |

Business Services - VET

What will I do in this subject?

This course reflects the role of individuals in a variety of administrative positions, who perform a range of mainly routine tasks using practical skills and fundamental operational knowledge in a defined context.

Students who are assessed as competent in all of the units of competency in Business Services (240 hours) will be eligible for an AQF Certificate II in Business. As well, students can include this course in the calculation of a ATAR for university entrance.

The course involves the study of 14 units of competency over TWO years including:

CORE

- Contribute to health and safety of self and others
- Develop keyboard skills

ELECTIVES

- Handle mail
- Produce simple word processed documents
- Communicate electronically
- Participate in environmentally sustainable work practices
- Work effectively in a business environment
- Deliver a service to customers
- Process and maintain workplace information
- Use Business Technology
- Create and use spreadsheets
- Work effectively with others
- Maintain business records
- Communicate in the workplace
- Organise and complete daily work activities
- Maintain business resources.

What skills will I gain from this subject?

The course is designed to enable students to acquire a range of technical, personal and organisational skills valued both within and beyond the workplace. They will also acquire basic skills and knowledge related to functional areas within the business service industry.

How much practical/ theory work is there in this subject?

This is a competency-based course. To be assessed as competent a student must demonstrate that they can carry out various tasks to the standard required by industry. Therefore there is a strong emphasis on practical skills in this course. Theory work is also required to provide knowledge of industry terminology and functions for students to sit for the HSC examination in this subject.

What background and skills are recommended for this subject?

Students should have an interest in the business services industry with a view to a career in fields such as clerical assistant, personal assistant, secretary, human resources, sales and marketing.

Are there additional requirements for this subject?

A working knowledge of keyboarding and word processing computer programs is desirable but not essential. Year 10 Computing may be an advantage but not necessary. Students must complete 70 hours of work placement in the business service industry over the two-year course.

Are there any exclusions for this subject?

There are no exclusions for this subject

How will this course help me in the future?

The competencies, skills and work experience students gain in this course will equip them for direct entry into the workforce. In addition to HSC qualifications, successful completion of this course will provide students with a Certificate II in Business that is a nationally recognised entry-level employment qualification.

| CODE | ATAR |
|------|-------|
| BS | YES A |

Business Studies

Why study Business Studies?

We interact with business activities throughout our everyday lives. Business Studies is designed to provide students with knowledge and skills to deal with the theoretical and practical aspects of business they will encounter in their lives. Business Studies also provides rigour and depth to develop an excellent foundation for students in tertiary studies or in future employment.

What will I do in this subject?

Business Studies investigates the role, operations and management of business and the role and responsibilities of business in our society. Factors in the establishment, operation and management of a small business are integral to this course. Students also consider the role of the global business environment and its impact on Australian business.

The Preliminary course covers:

- Nature of Business (20% course time) – the role and nature of business in a changing business environment
- Business Management (40% course time) – the nature and responsibilities of management in the business environment
- Business Planning (40% course time) – the processes of establishing and planning a small to medium enterprise

The HSC course covers:

- Operations (25% course time) – the strategies for effective operations management in large businesses
- Marketing (25% course time) – the main elements involved in the development and implementation of successful marketing strategies
- Finance (25% course time) – the role of interpreting financial information in the planning and management of a business
- Human Resources (25% course time) – the contribution of human resources management to business performance

What skills will I gain from this subject?

Students will gain an understanding of how businesses operate and the factors affecting the business environment. They will develop general and specific skills to assist them in participating effectively in the business environment and in dealing with issues that arise from business activities that impact their lives. These include research, analysis, problem-solving, decision-making, critical thinking and communication skills.

Students will also develop an ability to interpret and communicate business information in appropriate formats. They will develop research and independent learning skills in addition to analytical and problem solving competencies through their Business Planning Investigation (BPI), undertaken in the Preliminary course. To complete the BPI, students will need to develop a small business plan. Students are also required to research a global business in Year 12 to maintain their knowledge of contemporary business issues.

How much practical / theory work is there in this subject?

This subject is primarily theoretical; however students are required to conduct a business investigation (BPI) as a mandatory component of the course. Excursions occur where appropriate and students are also encouraged to participate in extra curricular activities.

The Business Planning Investigation (BPI) is a mandatory part of the Preliminary course.

What background and skills are recommended for this subject?

Analytical skills, essay writing skills, critical thinking are highly recommended. As there are a number of assessment tasks in both year 11 and Year 12 that are assessed using extended responses. the capacity to write a sustained long response is also valued.

Are there any exclusions for this subject?

There are no exclusions for this subject

How will this course help me in the future?

The study of Business Studies provides students with knowledge, understanding and skills that form a valuable foundation for a range of courses at university and TAFE NSW such as Commerce, Business and Law, as well as in the workforce and everyday life. There are opportunities for students to gain credit transfer in certificate and diploma courses at TAFE NSW. Business Studies helps to prepare students for employment and full and active participation as citizens. Career opportunities may include accountancy, business management, marketing, financial administration, teaching, employment relations and communications.

Ceramics

| CODE | ATAR |
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| CER | NO |

What will I do in this subject?

Ceramics is the art and technology of forming, firing and glazing clay to make a wide variety of products ranging from building material to ceramic ware such as plates bowls, drinking vessels, jewellery sculpture and decorative wall surfaces. Ceramic students will be given the opportunity to develop hand building ceramic skills including pinch, slab and coil methods as well as examining methods such as mould form and wheel thrown ceramics. Students will also develop a variety of decorative techniques and an understanding of glazing and firing techniques. Ceramics is a 2 Unit course offered in Year 11 and/or Year 12 Students will study functions and techniques of both historical and contemporary ceramics.

The HSC ceramics course involves students selecting the technique most suitable to create a major project of their own choice. This will also involve research of a ceramicist or ceramic technique relevant to their project.

What skills will I gain from this subject?

Ceramics develops skills in critical thinking and problem solving as well as a variety of technical skills in all forms of hand-building, casting and wheel thrown clay processes. They will also develop skills required to give form to their ideas whilst developing their creativity and sensitivity in creating and decorating three dimensional forms.

How much practical/theory work is in this subject?

The Ceramics course is 70% practical and 30% theory.

What background and skills are recommended for this subject?

- creative ability
- good fine motor skills.

Are there additional requirements for this subject?

There are no additional requirements for this course. Please note this subject has course fees.

Are there any exclusions for this subject?

There are no exclusions in this course.

How will this course help me in the future?

The study of ceramics will support students in developing a commitment to and capacity for lifelong learning in this area, either as a professional pursuit or hobby. It may lead to further post-school study at University or TAFE or vocational training in the context of the workplace.

| CODE | ATAR |
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| CHE | YES A |

Chemistry

What will I do in this subject?

The study of Chemistry in Stage 6 enables students to develop an appreciation and understanding of materials and their properties, structures, interactions and related applications. Through applying Working Scientifically skills processes, the course aims to examine how chemical theories, models and practices are used and developed.

Year 11 modules:

- Properties and Structure of Matter
- Introduction to Quantitative Chemistry
- Reactive Chemistry
- Drivers of Reactions

Year 12 modules:

- Equilibrium and Acid Reactions
- Acid/Base Reactions
- Organic Chemistry
- Applying Chemical Ideas

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- foster the intellectual, creative, ethical and social development of students.
- application of knowledge, skills, understanding, values and attitudes in the fields of study they choose.
- capacity to manage their own learning and to become flexible, independent thinkers, problem-solvers and decision-makers.
- capacity to work collaboratively with others.
- respect for the cultural diversity of Australian society.
- promote the development of students' values, identity and self-respect.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of both the Year 11 and Year 12 course and must occupy a minimum of 70 hours of course time, including time allocated to practical investigations in depth studies.

What background and skills are recommended for this subject?

This subject is for students with substantial achievement in stage 5 Science and are seeking university entrance.

Students need good organisation, a sound work ethic and skills in following laboratory procedures, using

laboratory apparatus, research from sources, interest in detailed investigation, use of technology, graph work, problem solving and independent work in class and at home.

Are there additional requirements for this subject?

During both the Year 11 and Year 12 courses you will complete a 15 hour depth study for each science course.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus. It may be one investigation/activity or a series of investigations/activities.

Are there any exclusions for this subject?

No, although you cannot do more than three (3) Science courses in each year.

How will this course help me in the future?

The course provides the foundation knowledge and skills required to study chemistry after completing school, and supports participation in a range of careers in chemistry and related interdisciplinary industries. It is an essential discipline that currently addresses and will continue to address our energy needs and uses, the development of new materials, and sustainability issues as they arise..

Chinese and Literature

| CODE | ATAR |
|------|-------|
| CHIL | YES A |

What will I do in this subject?

This subject focuses on 4 main themes.

- The Individual and the Community
- Youth Culture
- Perspectives on Identity
- Global Issues.

What skill will I gain from this subject?

The course does not use any linguistic theories or rules. Rather than learn the language through grammar, syntax and morphology, students are encouraged to use the Chinese language as a tool to carry out tasks focussing on the skills of listening, speaking, reading and writing. By the end of the course learners will be able to critically discuss and analyse issues around them in the Chinese language.

How much practical/theory work is in the subject?

100% theory.

What background is recommended for this course?

This course is only for students who speak Chinese as their first language.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

Chinese Continuers.

How will this course help me in the future?

China is the second largest economic power in the world. Learners of this course will certainly have an enriched life and wider employment choices in the future.

| CODE | ATAR |
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| CHIC | YES A |

Chinese in Context

What will I do in this course?

This course focuses on 5 main themes.

- Young people and their relationships
- Traditions and values in a contemporary society
- The changing nature of work
- The individual as a global citizen
- Chinese identity in the international context

What skill will gain from this course?

By the end of the course learners will be able to interact with others to exchange their meaning in spoken Chinese; to create texts to express their meaning in written Chinese and to analyse spoken and written texts in Chinese.

How much practical/theory work is in the course?

A major piece of research work called Personal Investigation based on one of the five themes will be part of the course work. Otherwise, the course is taught through vocabulary, grammar and syntax in the form of speaking, listening, reading and writing.

What background is recommended for this course?

This course is designed typically for those who have been brought up in a home where the Chinese language is used and who have a connection to Chinese culture.

Are there any additional requirements for this course?

Learners must have some degree of understanding and knowledge of Chinese, although their oral proficiency is typically more highly developed than their proficiency in the written language.

Is there any exclusion for this course?

Eligibility criteria of entry to this course apply. For details please see Language Courses Eligibility Criteria at http://www.boardofstudies.nsw.edu.au/syllabus_hsc/pdf_doc/heritage-lang-ec-st6-syl-2010.pdf.

How will this course help me in the future?

This course provides students with knowledge, understanding and skills that form a valuable foundation for a range of courses at university and other tertiary institutions. There are opportunities for learners to gain recognition in vocational education and training.

| CODE | ATAR |
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| CFS | YES A |

Community And Family Studies

What will I do in this subject?

This is an excellent course for students wishing to combine a range of areas including family studies, sociology, developmental psychology and students general life experiences. The course focuses on skills in resource management that enables people to function effectively in their everyday lives, in families and communities. Modules covered include Resource management, Individuals and groups, families and communities, research methodology, Parenting and caring, groups in Context and Individuals and work.

In the HSC course students are required to complete an Independent Research Project (IRP). This will involve students in an in-depth investigation of an area of their choice.

In the HSC course students will undertake three core topics (75%); Research methodology, Groups in context, Parenting and caring and an optional component (25%) selected from: Family and societal interactions, Social impact of technology, Individuals and work.

In the Preliminary course students will undertake three core topics (100%); Resource management, Individual and groups, Family and communities.

(cont. over)

What skills will I gain from this subject?

Develop problem solving, researching skills, self confidence, self esteem, social, communication and leadership, decision making skills and developing positive attitudes and beliefs.

How much practical/theory work is in this subject?

There is a substantial theory component and very little practical work.

What background and skills are recommended for this subject?

A very keen interest in issues surrounding the broad themes of community and family, research and writing.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

This course will provide foundation studies for community and family studies and issues. The course would be of great benefit to anyone wishing to take up a career in any of the psychology, sociology, social work, teaching in primary or secondary, sport sciences, nursing, coaching or PDHPE teaching.

Construction - VET

| CODE | ATAR |
|------|-------|
| VETC | YES B |

What will I do in this subject?

This course provides a pathway to the primary trades in the construction industry with the exception of plumbing. Trade outcomes are predominately achieved through an Australian Apprenticeship and this Certificate II allows for inclusion of skills suited for entry to off-site occupations such as joinery and shop-fitting as well as carpentry, bricklaying and other occupations in general construction.

What skills will I gain from this subject?

Students who are assessed as competent in all of the prescribed units will be eligible for Certificate II in Construction Pathways. Students who meet the general level of occupational health and safety induction training for the construction industry, as required by state legislation, receive the WorkCover White Card. This card provides access by students to construction sites for their work placement. These vocational qualifications are recognised nationally by TAFE, private providers and the industry. As well, students may include this course in the calculation of a ATAR for university entrance.

CORE

- work effectively in the general construction industry
- plan and organise work
- conduct workplace communication
- carry out measurements and calculations
- read and interpret plans and specifications
- apply OHS requirements, policies and procedures in the construction industry
- work safely in the construction industry

ELECTIVES

- handle carpentry materials
- use carpentry tools and equipment
- erect and dismantle formwork for footings and slabs on the ground
- handle wall and floor tiling materials



- use floor and wall tiling tools and equipment
- apply basic levelling procedures
- assemble components
- prepare for off-site manufacturing process
- handle construction materials, use construction tools and equipment
- carry out concreting to simple forms

How much practical/theory work is in this subject?

This is a very practical course, with a general pattern of 1 theory lesson and 2 practical lessons per week. However, workshop activities do not begin until Term 2 (ie after the students have completed their WHS training and have achieved their WorkCover White Card).

What background and skills are recommended for this subject?

Prospective students should have an interest in the construction industry, have basic mathematical skills and be able to work cooperatively and safely with others.

Are there additional requirements for this subject?

Students must wear leather shoes and, before gaining access to the workshop, must have a protective work shirt and be in possession of their WorkCover White Card.

Students must also undertake site-specific WHS training before being allowed onto a work site.

Students must complete 35 hours of work placement for every 120 hours of course work (ie a total of 70 hours over the 2 years of the course).

Are there any exclusions for this subject?

Industrial Technology – Building and Construction Industries Focus Area

How will this course help me in the future?

The competencies, skills and work place learning experiences student gain in this course will enhance their job prospects for entry level in the general Construction sector of this industry. Students will be able to articulate directly into the AQF Certificate II courses:

- Construction Assistant – Concreting
- Trades Assistant (this job can lead to work in various streams).

| CODE | ATAR |
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| DN | YES A |

Dance

What will I do in this Subject?

In this course students are able to study dance as a artform in which the body is the instrument for non-verbal communication and expression It is organised around the three core components of:

- Performance (contemporary dance)
- Composition
- Appreciation.

Students are then given the opportunity to study further in depth one of these components.

- The performance component is based on the fundamentals of classical ballet and modern dance techniques
- Composition involves learning the processes of creating contemporary dances and student will gain experience in choreographing for individuals and/or groups
- Appreciation involves the study of various contemporary choreographers, their styles and their influence on the development of dance.

The interrelation of the course components is a major feature and is emphasised through both the Preliminary and HSC courses. (cont. over)

This subject is to be considered a study of the 'art of dance' associated with technical qualities or levels of execution related to the performance of a particular movement.

What skills will I gain in this subject?

Students learn the skills of dance to perform and create dances, to critically analyse, respond enjoy and make discerning judgements about dance. As well, students will learn to manage their own learning and to work together with others in a range of capacities: as performers, composers, as students in a cooperative learning environment, through problem solving tasks and through group work.

How much practical/theory work is in this subject?

There is a lot of physical and practical work in this course but students must be aware that a solid technical and theoretical background is necessary for success in the HSC.

What background and skills are recommended for this subject?

Previous study in Dance would be an obvious advantage and benefit to students.

Are there additional requirements for this subject?

- this subject should be supported by long term outside dance classes, regardless of previous experiences.
- appropriate dance clothes must be worn every lesson
- students must complete 4 areas of performance/composition/appreciation in a contemporary style to present at the HSC examinations.

Are there any exclusions for this subject?

No.

How will this subject help me in the future?

This course is ideal for anyone wishing to further their career in dance or anyone interested in movement related areas. Bachelor in Dance Education courses run in many universities qualifying students to teach dance as a subject in schools.

The skills and competencies gained by students studying this subject prepare students well for further employment opportunities including professional employment in dance, the performing arts and the entertainment and leisure industries and a range of courses at university and other tertiary institutions.

Design And Technology

| CODE | ATAR |
|------|-------|
| DT | YES A |

What will I do in this subject?

This course offers students the opportunity to appreciate and understand historical and cultural influences on design and the interrelationships of design, technology, society and the environment. Students will apply this understanding and foster their creative ideas by focusing on developing innovative design solutions in a variety of contexts.

Design and Technology (multi technology) is for students who wish to study Design and Technology through the application of the following Technologies:

- Food Technology
- Engineering Technology
- Graphics Technology
- Multimedia/Photography Technology
- Timber Technology
- Textiles Technology
- Software and Design Technology

How much practical/theory work is in this project?

60% practical and 40% theory which includes detailed folio work.

(cont. over)

What background and skills are recommended for this subject?

Having studied Design and Technology in the years 9 and 10 is an advantage. Being able to work independently and being well organised is essential to succeed in Design and Technology.

Are there additional requirements for this subject?

Course fee and the cost of materials for the Major Design Project. This is a course best suited for independent learners.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

It may lead to careers in a range of design fields including industrial design, graphic design, architecture, advertising, marketing and business management. Design and Technology gives advanced standing in a number of certificate and diploma courses at TAFE NSW.

Drama

| CODE | ATAR |
|------|-------|
| DR | YES A |

What will I do in this subject?

Students will be involved in the practice of Making, Performing and Critically Studying in Drama. Students engage with these components through group and individual experiences.

The Preliminary course covers Improvisation, Play building, Acting, Elements of Production in Performance, Theatrical Traditions and Performance Styles.

The HSC course involves theoretical study through practical workshops exploring themes, issues, styles and movement. Students will study the mandatory topic and one elective topic (theory), complete a Group project and an Individual Project.

The Group Performance (3-6 students) involves creating a piece of original theatre (8-12 minutes). It provides opportunity for each student to demonstrate his / her performance skills, The Individual Project is where students demonstrate their expertise in a particular area. They choose one project from Critical Analysis, Design, Performance, Script Writing or Video Drama.

What skills will I gain from this subject?

At the end of this course, students should be able to:

Make and perform different styles of Drama, work independently and with others in groups, solve problems, collect, analyse and organise information, communicate ideas and information.

How much practical / theory work is in this subject?

The course is 60% practical and 40% theory, but may vary depending on the Individual Project chosen.

What background and skills are recommended for this subject?

Year 9 - 10 Drama. Understanding of concepts, some background experience, must be prepared to work independently, use of technology, process diary/logbook skills, a good team member.

Are there additional requirements for this subject?

Students must have a willingness to work both independently and in groups. Students must complete a final major work/project which contributes to the final assessment mark. Students are required to perform in public performances.

Are there any exclusions for this subject?

Projects developed for assessment in Drama are not to be used either in full or in part for assessment in any other subject.

How will this help me in the future?

Students who wish to pursue a career in theatre, the entertainment industry, teaching, media communications or public relations gain experience and confidence through this course.

Earth And Environmental Science

| CODE | ATAR |
|------|-------|
| EES | YES A |

What will I do in this subject?

The study of Earth and Environmental Science in Stage 6 enables students to develop an appreciation and understanding of geological and environmental concepts that help explain the changing face of the Earth over time. Through applying Working Scientifically skills processes, the course aims to examine how earth and environmental science models and practices are used and developed.

Year 11 modules

- Earth's Resources
- Plate Tectonics
- Energy Transformations
- Human Impacts

Year 12 modules:

- Earth's Processes
- Hazards
- Climate Science
- Resource Management

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- foster the intellectual, creative, ethical and social development of students.
- application of knowledge, skills, understanding, values and attitudes in the fields of study they choose.
- capacity to manage their own learning and to become flexible, independent thinkers, problem-solvers and decision-makers.
- capacity to work collaboratively with others.
- respect for the cultural diversity of Australian society.
- promote the development of students' values, identity and self-respect.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of both the Year 11 and Year 12 course and must occupy a minimum of 70 hours of course time, including time allocated to practical investigations in depth studies.

What background and skills are recommended for this subject?

This subject is for students with substantial achievement in stage 5 Science and are seeking university entrance.

Students need good organisation, a sound work ethic and skills in following laboratory procedures, using laboratory apparatus, research from sources, interest in detailed investigation, use of technology, graph work, problem solving and independent work in class and at home.

Are there additional requirements for this subject?

During both the Year 11 and Year 12 courses you will complete a 15 hour depth study for each science course.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.

(cont. over)

It may be one investigation/activity or a series of investigations/activities.

Are there any exclusions for this subject?

No, although you cannot do more than three (3) Science courses in each year..

How will this course help me in the future?

The course provides the foundation knowledge and skills required to study earth and environmental science after completing school, and supports participation in careers in a range of related industries. The application of earth and environmental science is essential in addressing current and future environmental issues and challenges. It is also necessary for the use and management of geological resources that are important to Australia's sustainable future

| CODE | ATAR |
|------|-------|
| ECO | YES A |

Economics

What will I do in this subject?

Economics is a very current subject that assists students to acquire an understanding of many aspects of the economy and its operation. It provides students with a theoretical foundation for economic reasoning to allow them to investigate and analyse economic issues accurately and effectively. Issues such as inflation, unemployment and inequality are studied in depth and students are encouraged to ponder on how these issues affect individuals, firms and government in society. The Year 12 course has a global focus and allows students to apply the theoretical knowledge they have gained in a variety of contexts.

The Preliminary course will consist of:

- Introduction to Economics (10%) – the nature of economics and the need for choice by individuals, firms and governments
- Consumers and Business (10%) – role of consumers and business in the economy
- Markets (20%) – role of markets, demand, supply and competition
- Labour Markets (20%) – the role of labour in the economy and the market for labour resources
- Financial Markets (20%) – the operation of financial markets in Australia and the influence of the RBA
- Government and the Economy (20%) – role of government in the Australian economy.

The HSC course will cover:

- The Global Economy (25%) – features of the global economy and the impact of globalisation
- Australia's Place in the Global Economy (25%) – the effect of changes in the global economy on Australia
- Economic Issues (25%) – nature, causes and consequences of economic issues
- Economic Policies and Management (25%) – aims and operation of policies to manage the economy.

What skills will I gain from this subject?

- Graphical analysis - students learn to use economic models to support their reasoning and map economic data
- Problem solving - students learn to apply formulae, economic theory and models to assist them to develop solutions for an array of economic problems or issues
- Critical analysis - students learn to interpret trends and economic data to draw conclusions and make predictions about specific economic issues. This includes developing their ability to identify relationships between concepts and theories.
- Written communication - students learn to undertake thorough research, synthesise findings, and use economic data to compose well-structured and cohesive responses

How much practical/ theory work is there in this subject?

There is a strong emphasis on identifying economic issues and problem solving in real and hypothetical contexts,

but no practical work. Theory work is mostly aimed at addressing these economic problems and issues.

What background and skills are recommended for this subject?

This is a predominantly theoretical subject. Students are required to develop an understanding of complex economic principles and models through their study. Extensive essay writing skills and the ability to write two 5 page essays in less than two hours are of paramount importance, along with an ability to analyse stimulus material, apply mathematical formulae and interpret graphs.

Are there additional requirements for this subject?

It is important that a student has achieved Bands A, B or C in English in Year 10 as there is a strong literacy requirement for the course.

Are there any exclusions for this subject?

There are no exclusions for this subject.

How will this course help me in the future?

Economics is recommended for study for anyone contemplating a career in commerce, accounting, business, industrial relations, management, advertising, marketing, real estate, and administration. The course is a good background for many TAFE NSW and university courses.

Engineering Studies

| CODE | ATAR |
|------|-------|
| ES | YES A |

What will I do in this subject?

This course offers students knowledge, understanding and skills in aspects of engineering that include communication, engineering mechanics/hydraulics, engineering materials, historical/societal influences, engineering electricity/electronics and the scope of the engineering profession.

Preliminary Course

Students study at least one product from the following categories:

- Engineering fundamentals
- Engineered products
- Braking Systems
- Biomedical engineering

HSC Course

Students undertake study in the following modules of engineering:

- Civil Structures
- Personal & Public Transport
- Aeronautical Engineering
- Telecommunications
- Engineering

What skills will I gain from this subject?

- Understanding the scope of engineering and the role of the engineer
- Understanding engineering principles and appreciate the responsibilities of engineers in society
- Communication skills in report writing and technical drawing to AS1100 standards.
- Knowledge and understand the developments in technology and appreciate their influence on people and engineering practice
- Apply management and problem solving skills in an engineering context

- Application of engineering methodology.

How much practical/theory work is in this subject?

20% practical and 80% theory.

What background and skills are recommended for this subject?

It is highly recommended that students who intend to study this subject should have studied some of the following subjects in their middle school curriculum:

- Physics/science
- Graphics/drawing
- Design and technology
- Extension or advanced mathematics
- Computing studies

Are there additional requirements for this subject?

It is strongly recommended students combine mathematics with Engineering Studies.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

This course will give students the opportunity to follow professional, vocational and employment pathways. The insight and experience associated with Engineering Studies will provide a very useful background for further study at University and should be combined with the study of high level Mathematics and Science to be especially useful. Those going into the world of work will benefit from understanding what engineers do, as the work of engineers affects us all.

| CODE | ATAR |
|------|-------|
| ENA | YES A |

English Advanced

What will I do in this subject?

The study of English provides opportunities for students to explore, respond and compose a wide variety of texts in a range of contexts. Students study the language forms and processes by which meaning is created.

In the Preliminary course you will study

- Common Module: Reading to Write
- Module A: Narratives that Shape our World
- Module B: Critical Study of Literature

Students must explore a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts.

The Year 11 course requires students to support their study of texts with their own wide reading.

In the HSC course you will study:

- Common module: Texts and human experiences
- Module A: Textual conversations
- Module B: Critical study of literature
- Module C: The craft of writing

Students are required to closely study 4 prescribed texts, one drawn from each of the following categories

- Shakespearean drama

- Prose fiction OR print nonfiction
- Poetry OR drama

What skills will I gain from this subject?

You will gain valuable and highly transferable skills, including:

- Effective communication skills, both oral and written
- Writing for a variety of purposes and audiences
- Ability to analyse how meaning is created in texts
- Opportunities to work independently and as part of a group
- Critical thinking skills
- Ability to think creatively and reflectively
- Understand ideas/texts from a range of perspectives
- Research skills
- Ability to evaluate and use different technologies
- An appreciation of literature and our cultural heritage.

How much practical/theory work is in this subject?

The majority of the work undertaken in English is theoretical and involves the close study of ideas and texts in various contexts. Students will apply these ideas to oral and written tasks.

What background and skills are recommended for this subject?

Students attempting Advanced English must have achieved a Grade A or B in Year 10. In addition, they must have an interest in reading and in the close study of literature.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

Both employment and further education require high level written and oral communication skills. Most employers look first to English as an indicator of these skills. The study of English, with its emphasis on critical and interpretive skills, prepares students well for further studies at TAFE or University. Students who study the Advanced English course will be well prepared for further study of English and related disciplines at university, in particular the study of law, journalism, teaching and communication courses.

English - Standard

| CODE | ATAR |
|------|-------|
| ENS | YES A |

What will I do in this subject?

The study of English provides opportunities for students to explore, respond to and compose a wide variety of texts in a range of contexts. Students study the language forms and processes by which meaning is created.

In the Preliminary course you will study:

- Common Module: Reading to Write
- Module A: Contemporary Possibilities
- Module: Close Study of Literature

Students are required to study one complex multi-modal or digital text, one substantial literary print text, explore a range of types of texts and support the study of texts with their own wide reading

(cont. over)

In the HSC course you will study:

- Common Module: Texts and Human Experiences
- Module A: Language, Identity and culture
- Module B: Close study of Literature
- Module C: The Craft of Writing

Students are required to closely study 3 prescribed texts, one drawn from each of the following categories

- Film OR media
- Prose fiction OR print nonfiction
- Poetry OR drama

What skills will I gain from this subject?

You will gain valuable and highly transferable skills, including:

- Effective communication skills, both oral and written
- Write for a variety of purposes and audiences
- Ability to analyse how meaning is created in texts
- Opportunities to work independently and as part of a group
- Critical thinking skills
- Ability to think creatively and reflectively
- Understand ideas/texts from a range of perspectives
- Research skills
- Ability to evaluate and use different technologies.

How much practical/theory work is in this subject?

The majority of the work undertaken in English is theoretical and involves the close study of ideas and texts in various contexts. Students will apply these ideas to oral and written tasks.

What background and skills are recommended for this subject?

English is the only compulsory subject. Year 10 English provides the background required for the study of English at the Higher School Certificate level.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

Both employment and further education require high level written and oral communication skills. Most employers look first to English as an indicator of these skills. The study of English, with its emphasis on critical and interpretive skills, prepares students well for further studies at TAFE or University.

English Extension 1

What will I do in this subject?

Students explore how and why texts are valued in and appropriated into a range of contexts. They consider why some texts may be considered culturally significant through the study of ways in which texts are valued.

Module: Texts, Culture and Value

| CODE | ATAR |
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| ENEX | YES A |

One text from the past and its manifestations is prescribed by teachers and students select one text from the past and its manifestations.. Students research a range of texts as part of their independent project.

The HSC Extension 2 course requires students to complete a major work through independent investigation

What skills will I gain from this subject?

You will gain skills in:

- Independent investigation
- Analytical thinking and understanding of complex ideas
- Sustained composition.

How much practical/theory work is in this subject?

Most of the work is of a theoretical nature. Students will apply concepts and skills in a practical way through their own reading, independent investigation and oral/written presentations.

What background and skills are recommended for this subject?

A grade A or B in Year 10 and a strong interest in reading and the academic study of literature are essential background for this course.

Are there additional requirements for this subject?

Must be studying Advanced English.

Preliminary Extension is a pre-requisite for HSC Extension 1

HSC Extension 1 is a co-requisite for HSC Extension 2.

Are there any exclusions for this subject?

English Standard

English ESL

Fundamentals of English

English Studies

How will this course help me in the future?

The analytical nature of the course prepares students well for tertiary study, especially for courses in communication, law, journalism, media and teaching.

English As another Language/Dialect

What will I do in this subject?

The study of EAL/D English provides opportunities for students to acquire and develop English language skills in the context of their study of the ways meaning is created in a variety of texts.

In the Preliminary course you will study:

- Module A: Language and Texts in Context
- Module B: Close Study of Text
- Module C: Texts and Society

Students are required to study a substantial literary text, explore a range of types of texts and support their study of texts with their own wide reading

In the HSC course you will study:

- Module A: Texts and Human Experiences
- Module B: Language, Identity and Culture
- Module C: Close Study of Text

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| EALD | YES A |



Students are required to study three types of texts from each of the following categories

- Prose fiction OR print nonfiction
- Poetry OR drama
- Film OR media
- one related text in module A

You will complete a close study of three texts – drama, film and novel – and a wide range of additional related texts and textual forms.

What skills will I gain from this subject?

You will gain valuable and highly transferable skills:

- Express yourself competently at both the sentence and paragraph level of written communication
- Communicate confidently in a wide range of spoken situations
- Write in a variety of forms ranging from informal, personal writing to formal, academic writing
- Understand how texts are constructed and create meaning
- Access information and share it in small and large groups in various forms of presentations.

How much practical/theory work is in this subject?

While the study of language forms and features and the close study of literature involve considerable theory, students will engage in a wide variety of practical writing and speaking skills throughout the course. The focus is always on improving the language skills of ESL students.

What background and skills are recommended for this subject?

This course is designed for students who have been educated using English as the language of instruction for five years or less prior to the start of Year 11.

Are there additional requirements for this subject?

Yes - by the end of Year 10 students must have been using English as the language of instruction for a maximum of 5 years. This is an eligibility requirement.

Are there any exclusions for this subject?

English Advanced

English Standard

English Extension.

How will this course help me in the future?

Students will be better equipped in literacy skills to enable them to approach with confidence, the demands of the HSC course. Improved skills in written and oral communication will allow students to meet requirements for further study at TAFE or University or to enter the workplace with confidence.

English Studies

What will I do in this subject?

English Studies provides opportunities for students to develop proficiency in English to enhance their personal, social and vocational lives. Students will respond to and compose a diverse range of texts, always in highly practical and relevant ways.

In the Preliminary Course you will study

- The mandatory module 'Achieving through English – English in education, work and the community.
- An additional 2 - 4 modules to be studied

| CODE | ATAR |
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| ENST | YES B |



In the HSC Course you will study

- The mandatory module 'Texts and Human Experiences'
- An additional 2 - 4 modules to be studied

In both Years 11 and 12 students are required to

- Read , view, listen to and compose a wide range of texts
- Study at least one substantial print text
- Study at least one substantial multimodal text

In Year 12 students will also be required to study one text from the prescribed text list and one related text for the Common Module - Texts and Human Experiences

What skills will I gain from this subject?

You will gain valuable and highly transferable skills, including:

- Effective communication skills, both oral and written
- Understanding of how texts are constructed to create meaning
- Understanding of typical academic, social and workplace contexts
- Research skills, including investigation and analysis
- Flexible and critical thinking
- Appreciation of social and cultural values
- Individual, collaborative and reflective learning

How much practical/theory work is in this subject?

Students will work with real life and literary texts using a variety of practical and technological approaches.

What background and skills are recommended for this subject?

This course is specifically designed for students seeking an alternative to English Standard and who are interested in moving to employment or vocational training after the HSC.

Are there any additional requirements for this subject?

No.

Are there any exclusions for this subject?

No

How will this course help me in the future?

Students will gain more effective communication skills, experience in a variety of learning environments and the independent investigation skills required for further study or employment.

Entertainment (VET)

What will I do in this subject?

This course is designed to reflect the role of individuals who work in technical production areas, who perform a range of skilled tasks using discretion and judgment, and who have the ability to select, adapt and transfer skills to different situations.

This qualification is very flexible and designed to meet a broad range of industry needs. It includes a general option, to reflect the need for multi-skilling plus specialized streams for specific job outcomes (e.g. for audio, lighting etc).

What skills will I gain from this subject?

Students who are assessed as competent in all the modules will be eligible for a Statement of

| CODE | ATAR |
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| VETENT | YES B |

(cont. over)

Attainment towards Certificate III in Live Production Theatre and Services. These vocational qualifications are recognised nationally by TAFE, private providers and the industry. As well, students can include this course in calculation of a ATAR for university entrance. Students will gain skills in meeting deadlines; work flow planning; working to a timeframe; cabling; working a lighting desk; backstage craft; audio rigging and installation; applying industry knowledge; first aid.

CORE

- organise personal work priorities and development
- work safely in the construction industry
- work effectively in the creative arts industry
- apply work health and safety practices
- participate in collaborative creative projects
- provide a service to customers
- operate basic lighting
- operate vision systems
- assist with production systems for live operations
- undertake live audio performances
- provide service to customers.

How much practical/theory work is in this subject?

This is a practical course based on achievement of competencies. To be assessed as competent a student must demonstrate that they can carry out various tasks to the standard required by industry. Therefore there is a strong emphasis on practical skills in this course. However, theory work is considered essential training for successfully achieving competencies in course skills and knowledge. Theory is also required to provide knowledge of industry terminology and functions for students to sit for the HSC examination in this subject.

What background and skills are recommended for this subject?

The confidence to take on a project, learn from it and follow through.

Are there additional requirements for this subject?

It is mandatory for students to complete 35 hours of work placement for every 120 hours of course work (a total of 70 hours over 2 years). This will include student participation in off-the-job training, such as school productions and events, and on-the-job training in an industry setting.

Are there any exclusions for this subject?

There are none for this course.

How will this course help me in the future?

The competencies, skills and work place learning experiences students gain in this course will enhance their employment prospects for entry jobs in this industry including support roles in performing arts; in media, artistic and stage production; and in sound/audio visual production. Students will then be able to move into jobs in direction, management, technical and production roles.

| CODE | ATAR |
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| FT | YES A |

Food Technology

What will I do in this subject?

This subject included developing knowledge and understanding, along with practical skills about the:

- production, processing and consumption of food,
- knowledge and understanding about the nature of food
- human nutrition

- an appreciation of the importance of food to health and its impact on society.

The Preliminary course covers

- Food Availability and Selection (30%)
- Food quality (40%)
- Nutrition (30%).

The HSC course covers

- The Australian Food Industry (25%)
- Food Manufacture (25%)
- Food Product Development (25%)
- Contemporary Nutrition Issues (25%)
- 3 hour written HSC examination paper

What skills will I gain from this subject?

Skills will be developed in researching, communicating and analysing food issues, food product development, implementation and evaluation of solutions to food situations.

How much practical/theory work is in this subject?

It is mandatory that students undertake practical activities in this course that are related to the theory work. In Year 11 students have practical activities each week. In Year 12 students have practical activities once per fortnight.

What background and skills are recommended for this subject?

All skills and knowledge will be developed during the 2 years of this course. No special skills are required, however having studies Food technology in Years 9 and 10 is an advantage.

Are there additional requirements for this subject?

A subject fee applies and, as part of WHS requirements, students must wear an apron, hat and enclosed hard leather school shoes. The course fee includes the uniform and must be paid by week 5 term 1 in Year 11 and 12.

Are there any exclusions for this subject?

There are none for this course.

How will this course help me in the future?

This course will provide you with the knowledge, skills and attitudes to contribute positively to your own pathways to employment or further education at TAFE or university. The study of Food Technology will give you credit transfer in some certificate and diploma courses at TAFE NSW. Career options might include dietetics, food technologist, teaching, nursing and nutritionist .

| CODE | ATAR |
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| FRB | YESA |

French Beginners

What will I do in this subject?

In the Preliminary and the HSC course, students will develop their knowledge and understanding of French across a range of topics. Family life, home and neighbourhood: People, places and communities; Education and work; Friends, recreation and pastimes; Holidays, travel and tourism; Future plans and aspirations.

What skills will I gain from this subject?

- Use French to communicate with others
- Understand and appreciate the cultural contexts in which French is used
- Reflect on my own culture through the study of other cultures
- Understand language as a system

(cont. over)

- Make connections between French and/or other languages
- Cognitive, learning and social skills
- Apply French to work, further study, training or leisure

How much practical/theory work is in this subject?

Students' language skills are developed through tasks such as conversation, responding to an aural stimulus, responding to a variety of written material and writing in a variety of text types.

What background and skills are recommended for this subject?

A desire to learn a new language and a willingness to practise (converse).

Are there additional requirements for this subject?

All students who wish to undertake a beginners language course must complete the Application for Eligibility Determination, including the Statutory Declaration.

Are there any exclusions for this subject?

French beginners is intended for students with no prior knowledge or experience in French, or those whose previous study of French does not exceed 100 hours

How will this course help me in the future?

This course will equip students to travel in any French speaking country and will benefit students who are interested in entering the hospitality and tourism industries, or the world of finance and trade.

| CODE | ATAR |
|------|-------|
| GEO | YES A |

Geography

What will I do in this subject?

The course investigates physical and human geography and develops students' knowledge and understanding of the relationship between people and their environment and the effect they have on each other. Students investigate the unique characteristics of our world through case studies, fieldwork, geographical skills and the study of contemporary geographical issues.

The Preliminary course covers:

- Biophysical Interactions (45%) – how biophysical processes contribute to the sustainable management of specific environments
- Global Challenges (45%) – the study of the social, cultural, political, economic and environmental challenges which are occurring at the global scale
- Senior Geography Project (10%) – this is a mandatory component of the course and students must demonstrate primary geographical research methodologies to complete the project. The focus of this study is the nature of geographical inquiry and its application to a practical research project.

The HSC Course covers:

- Ecosystems at Risk (33%) – studies the functioning of ecosystems, their management and protection through the selection of case studies and fieldwork
- Urban Places (33%) – studies the role and changing patterns of cities and includes case studies of mega and world cities and the urban dynamics of large cities and urban localities
- People and Economic Activity (33%) - a geographical investigation of economic activity at both the global and local scale.

What skills will I gain from this subject?

Students learn to investigate and communicate geographically and are given opportunities to develop informed and responsible values and attitudes towards ecological sustainability, active and informed citizenship and responsible, autonomous life-long learning. Ethical research practices are also developed.

How much practical/ theory work is there in this subject?

Students complete a Senior Geography Project in the Preliminary course and must undertake 12 hours of compulsory fieldwork in both the Preliminary and HSC courses. Fieldwork reports make up a significant part of the assessment in in the Preliminary course. However, there is a strong emphasis on theoretical work for the HSC course.

What background and skills are recommended for this subject?

This subject is recommended for students who have a curiosity about how and why the world's people and their environments are so varied or who are interested in clarifying or analysing geographical issues, questions and problems. A basic understanding of some geographical skills taught in the mandatory Stage 4&5 Geography course is assumed. Students will then have an opportunity to develop those skills further.

Are there additional requirements for this subject?

The Senior Geography Project and 24 hours fieldwork are mandatory components of this course.

Are there any exclusions for this subject?

There are no exclusions for this subject.

How will this course help me in the future?

Geography gives us a broad range of skills to interpret the world around us. It also helps us to shape our lives so that we maximise our enjoyment of the wonders of nature while minimising our negative impact on the systems that support life on the planet.

All careers, including law, tourism and business will benefit from your study of Geography. The 21st Century is a crucial time in which we must learn to work within our planet's ability to support us. The managers of the future must think globally and act locally. Geography gives us a head start.

| CODE | ATAR |
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| VETFB | YES B |

Hospitality Food & Beverage

This course provides a pathway to work in various hospitality settings, such as restaurants, hotels, motels, catering operations, clubs, pubs, cafes and coffee shops.

Skills and knowledge will prepare the students in providing effective hospitality service to customers.

What will I do in this subject?

The subject is a mixture of practical and written course work. i.e. one session practical and two sessions theory work. The course covers the following areas:

CORE

- work effectively with others
- source and use information on the hospitality industry
- use hospitality skills effectively
- interact with customers
- participate in safe work practices
- show social and cultural sensitivity

ELECTIVES

- clean premises and equipment
- use food preparation equipment
- prepare and serve espresso coffee
- serve food and beverage
- participate in safe food handling practices

- prepare sandwiches
- participate in environmentally sustainable work practices
- prepare and serve non-alcoholic beverages
- use hygienic practices for food safety

Are there any exclusions for this subject?

Students cannot do a certificate II in kitchen operations (SIT20416).

What background skills are recommended for this subject?

Students who choose this subject must be punctual and committed and have good attendance. Competencies are assessed each week and comprise of written and practical activities. Students must be prepared to arrive early to get changed before their practical lesson. Their personal presentation must meet industry standard.

How will this course help me in the future?

This qualification provides pathways to work in various Hospitality settings such as restaurants, hotels, catering operations, cafes and coffee shops.

Possible job titles include: café attendant, catering assistant food and beverage attendant, front office assistant, porter, and room attendant.

What skills will I gain from this subject?

Communication, teamwork, problem solving, initiative and enterprise, planning and organisation, self-management, learning and technology.

How much practical/theory work is in this subject?

Students do not cook within the first four weeks as they must complete the competency for Use Hygienic Practices for Food Safety (SITXFSA001) before they can start any practical assessment.

There are three sessions per week. One session is practical work and the other two sessions are theory work.

Are there any additional requirements for this subject?

Course Fees. The course fees include:

- Cost of food.
- Cost for the uniform

All fees must be paid before week 3 term 1. For this course students will be asked to pay a fee, before they begin the course.

Uniform requirements

This course has the same requirements as a TAFE course and therefore students must wear work uniform with hard leather shoes during practical lessons. The uniform consists of black trousers, black collared polo shirt, black half apron, and black baker's hat. Some work placements, require a white long sleeve collared shirt. This uniform can be purchased in full through the school. Students must arrive early before school or break to change into uniforms before practical lessons. Students must achieve industry standard in personal presentation. Uniforms must be washed and ironed for each practical lesson.

Work Placement Requirements

Students must complete 35 hours in an industry approved work placement for every 120 hours of the course. i.e. 35 hours for the preliminary course and 35 hours in the HSC course. This is a total of 70 hours. It is desirable for students to complete this placement in year 11. Work Placement is mandatory and 35 hours must be completed in Year 11 with a further 35 hours in Year 12.

For the core unit, Use Hospitality skills Effectively (SITHIND003) students are required to complete twelve service periods which students complete both in school and during the mandatory work placement. The school runs a café once a week so students can complete some of their service periods and the remaining periods are completed out of school at local cafes.

Some work placements, require a white long sleeve collared shirt.

| CODE | ATAR |
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| VETH | YES B |

Hospitality Kitchen Operations - VET

This course provides a pathway to work in kitchen operations in organisations such as restaurants, hotels, catering operations, clubs, pubs, cafes, cafeterias, coffee shops and institutions such as aged care facilities, hospitals, prisons and schools.

Skills and knowledge will prepare the students in providing effective hospitality service to customers.

What will I do in this subject?

Possible job titles include: breakfast cook, catering assistant, fast food cook, sandwich hand and take-away cook. The subject is a mixture of practical and written course work. i.e. one session practical and two sessions theory work. The course covers the following areas:

CORE

- work effectively with others
- use food preparation equipment
- use hygienic practices for food safety
- clean kitchen premises and equipment
- use cookery skills effectively
- maintain the quality of perishable items
- produce appetizers and salads
- participate in safe work practices
- produce dishes using basic methods of cookery

ELECTIVES

- participate in safe food handling practices
- produce vegetable, fruit and farinaceous dishes
- prepare simple dishes
- participate in environmentally sustainable work practices
- source and use information on the hospitality industry

Are there any exclusions for this subject?

Students cannot do a certificate II in hospitality (SIT20316).

What background skills are recommended for this subject?

Students who choose this subject must be punctual and committed and have good attendance. Competencies are assessed each week and comprise of written and practical activities. Students must be prepared to arrive early to get changed before their practical lesson. Their personal presentation must meet industry standard.

How will this course help me in the future?

This qualification provides pathways to work in various Hospitality settings such as restaurants, hotels, catering operations, cafes and coffee shops.

This qualification provides a pathway to work in various kitchen operations such as: restaurants, hotels, motels, catering operations, clubs, pubs, cafes and coffee shops and institutions such aged care facilities, hospitals, prisons and schools.

What skills will I gain from this subject?

Communication, teamwork, problem solving, initiative and enterprise, planning and organisation, self-management, learning and technology.

How much practical/theory work is in this subject?

Students do not cook within the first four weeks as they must complete the competency for Use Hygienic Practices (cont. over)

for Food Safety (SITXFSA001) before they can start any practical assessment. There are three sessions per week. One session is practical work and the other two sessions are theory work.

Are there additional requirements for this subject?

Course Fees. The course fees include:

- Cost of food.
- Cost for the uniform
- Tool kit hire

All fees must be paid before week 3 term 1. For this course students will be asked to pay a fee, before they begin the course.

Uniform requirements

This course has the same requirements as a TAFE course and therefore students must wear full chef's uniform with hard leather shoes during practical lessons. This uniform can be purchased in full through the school. Students must arrive early before school or break to change into uniforms before practical lessons. Students must achieve industry standard in personal presentation. Uniforms must be washed and ironed for each practical lesson.

Work Placement Requirements

Students must complete 35 hours in an industry approved work placement for every 120 hours of the course. i.e. 35 hours for the Preliminary course and 35 hours in the HSC course. This is a total of 70 hours. It is desirable for students to complete this placement in year 11. If work placement is not completed in year 11 students do not pass the course, even if they drop the course for year 12.

For the core unit, Use Cookery Skills Effectively (SITHCCC207) students are required to complete twelve service periods which students complete both in school and out of school. The school will run various catering events to assist in completing the service periods and the rest of the service periods will be made up throughout an additional work placement.

Industrial Technology - Timber Products & Furniture Technologies

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| ITW | YES A |

What will I do in this subject?

The subject includes an introduction to industrial processes and practices as well as the development of a broad range of skills and knowledge related to the Timber Products and the Furniture Industry.

Preliminary Course

In the Preliminary Course, students produce 2 practical projects and their related folios. They also complete an industry study and assessment tasks plus their preliminary examination.

In the Preliminary course 60% or two sessions a week are theory work. 40% or 1 session a week is practical work.

HSC course

In the HSC course students undertake one major practical project which includes a folio maximum of 80 x A4 or 40 A3 pages, assessment tasks and half yearly and trial examination.

In the HSC course 60% of time is related to the practical project, working 1 session in the workshop and 1 session in either the workshop or in the computer room writing up their folio. The other 40% or 1 session per week is spent completing theory work.

The course offers the opportunity to study the interrelationship of technological equipment and materials used in the industry.

The major project (project and folio work) is submitted in mid-August to the NESA for marking and the HSC exam is 1 ½ hours long.

What topics will students learn about?

- Practical Carpentry
- Furniture design

(cont. over)

- Methods of construction
- Types of finishes.

What skills will I gain from this subject?

- Processes of design, planning, organising and production of projects
- Computer application
- Practical carpentry skills
- Research skills
- Working in teams
- Technical drawing skills to Australian standard

How much practical/theory work is in this subject?

The Preliminary course is 60% theory work and 40% practical work.

The HSC course is 40% theory work and 60% practical work.

What background skills are recommended for this subject?

Students who have had previous experience in Graphical Drawing, Timber Technology (Years 9-10) and preparation of folios would be an advantage.

Are there additional requirements for the subject?

- A subject fee applies to cover the cost of timber and materials in year 11 and materials other than wood and finishing materials in year 12.
- Wearing of protective clothing, including hard leather lace up shoes, (apron provided) .
- Students must be aware of the cost and expenses associated with their major project which begins in term 4. Materials must be purchased and the project begun by week 4 of term 4.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

The study of Industrial Technology Timber Products and Furniture Technologies stage 6 provides students with knowledge, theoretical aspects and skills for a valuable foundation for a range of courses related to carpentry trades.

In addition, the study of timber and furnishing technologies stage 6 may assist to secure employment in an apprenticeship or traineeship in the timber industry.

Wherever appropriate the skills and knowledge acquired by students in the HSC course should be recognised by industry and training organisations.

Recognition of student achievements means that students who have satisfactorily completed the HSC courses will not be required to repeat their learning in courses in TAFE NSW or other Registered Training Organisations (RTOs).

Information Processes And Technology

What will I do in this course?

IPT is the study of computer based information systems. It focuses on information processes performed by these systems and the information technology that allows them to take place. Social, ethical and noncomputer procedures are considered and different types of information systems are studied. Through project work, students will create their own information system to meet an identified need.

The Preliminary course covers:

- Introduction to Information Skills and Systems (20%): information systems in context; information processes;

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| IPT | YES A |

nature of data and information, digital data representation; classification of information systems; social and ethical issues

- Tools for Information processes (50%): collecting; organising; analysing; storing and retrieving; processing; transmitting and receiving; displaying; integration of processes
- Developing Information Systems (30%): Traditional stages in developing a system; complexity of systems; roles of people involved in systems development; social and ethical issues..

The HSC Course includes:

- Project Management (20%): techniques for managing a project; understanding the problem; planning; designing solutions; implementing; testing, evaluating and maintaining
- Information Systems and Databases (20%): information systems; database information systems; organisation; storage and retrieval; other information processes; managing communication systems; issues related to information systems
- Communication Systems (20%): characteristics and examples of communication systems; transmitting and receiving; other information processes; managing communications systems; issues related to communication systems
- Option Strands (40%) Students will learn about two options from:
 1. Transaction Processing Systems
 2. Multimedia Systems
 3. Automated manufacturing Systems
 4. Decision Support Systems

What skills will I gain from this subject:

In the IPT course you will gain skills in:

- The selection and ethical use of appropriate resources and tools to develop information systems
- Creative and methodical planning, design and implementation of information systems to address needs
- Management, communication and teamwork in relation to individual and group activities.

How much practical/theory work is in this subject?

Practical and theory work are integrated throughout the course.

What background and skills are recommended for this subject?

None required.

Are there additional requirements for this subject?

Students find it easier to complete this course if they can arrange access to a computer and the Internet for extended periods of time outside the classroom. A subject fee applies.

Are there any exclusions for this subject?

Computer students may not use major works from one subject as their major work for another.

How will this course help me in the future?

Students who successfully complete IPT will be competent, confident and discriminating users of information processes and technology. They will be well prepared to pursue further education and employment across a wide range of courses and careers.

Information and Digital Technology - VET

What will I do in this course?

The Information and Digital Technology Curriculum Framework stream focus area is the Web and Software Applications stream.

During this course, students will learn about the nature of the information and communications technology (ICT)

(cont. over)

| CODE | ATAR |
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| VETIT | YES B |

industry and the reliance of almost all other industries on websites and the delivery of quality support by ICT services. They will engage in video communication and use social media to collaborate with colleagues to produce a website for a client. They will learn to use the advanced features of Operating System and applications software and will discover the principals underlying effective troubleshooting.

- participate effectively in OHS communication and consultative processes
- install and optimise operating system software
- run standard diagnostic tests
- implement and monitor environmentally sustainable work practices
- work and communicate effectively in an IT environment
- create a simple markup language document
- produce digital images for the web
- build simple websites using commercial programs
- use advanced feature of computer applications
- use social media tools for collaboration and engagement
- operate application software packages.

What skills will I gain from this subject?

Students develop a range of skills in preparation for working effectively in an environment where information technology is used. These include oral and written communication skills, teamwork skills, and efficient use of a range of software application packages, essential hardware management and occupational health and safety competencies.

How much practical/theory work is in this subject?

This is a very practical course, although the theory component is considered essential background and training for successfully achieving competencies. Practical and theoretical aspects of the course are integrated. Students sitting for the HSC exam in Information Technology will need a thorough understanding of theoretical components of the course.

What background and skills are recommended for this subject?

There are no specific prerequisites for this course. It is not necessary to have taken Computing Studies in Years 9 and 10.

Are there additional requirements for this subject?

Students must attempt each of the units of competency described in the course structure and undertake a minimum of 35 hours work placement in IT for each 120 hours of study (i.e. 70 hours over 2 years). A subject fee applies.

Are there any exclusions for this subject?

Students can study VET IT with any other courses, including Software Design & Development and Information Processes and Technology.

How will this course help me in the future?

The Information and Digital Technology curriculum framework is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational qualifications. Students who are assessed as competent in all of the units of competency in Information and Digital Technology (240 hours) will be eligible for a Certificate III in Information and Digital Media and Technology ICT30115. This course is eligible for inclusion in the ATAR.

| CODE | ATAR |
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| IVS | YES |

Investigating Science

What will I do in this subject?

The study of Investigating Science in Stage 6 enables students to develop an appreciation and understanding of

(cont. over)

science as a body of knowledge and a set of valuable processes that provide humans with an ability to understand themselves and the world in which they live. Through applying Working Scientifically skills processes, the course aims to enhance students' analytical and problem-solving skills, in order to make evidence-based decisions and engage with and positively participate in an ever-changing, interconnected technological world. This is a foundation course for students doing other science subjects.

Year 11 modules:

- Cause and Effect – Observing
- Cause and Effect – Inferences and Generalisations
- Scientific Models
- Theories and Laws

Year 12 modules:

- Scientific Investigations
- Technologies
- Fact or Fallacy?
- Science and Society

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- foster the intellectual, creative, ethical and social development of students.
- application of knowledge, skills, understanding, values and attitudes in the fields of study they choose.
- capacity to manage their own learning and to become flexible, independent thinkers, problem-solvers and decision-makers.
- capacity to work collaboratively with others.
- respect for the cultural diversity of Australian society.
- promote the development of students' values, identity and self-respect.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of both the Year 11 and Year 12 course and must occupy a minimum of 70 hours of course time, including time allocated to practical investigations in depth studies.

What background and skills are recommended for this subject?

This subject is for students with substantial achievement in stage 5 Science and are seeking university entrance.

Students need good organisation, a sound work ethic and skills in following laboratory procedures, using laboratory apparatus, research from sources, interest in detailed investigation, use of technology, graph work, problem solving and independent work in class and at home.

Are there additional requirements for this subject?

Students ideally will be doing another Science subject. During both the Year 11 and Year 12 courses you will complete 30 hours of depth study for each science course.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus. It may be one investigation/activity or a series of investigations/activities.

Are there any exclusions for this subject?

No, although you cannot do more than three (3) Science courses in each year.

How will this course help me in the future?

Investigating Science encourages the development of a range of capabilities and capacities that enhance *(cont. over)*



a student's ability to participate in all aspects of community life and within a fast-changing technological landscape. The knowledge, understanding and skills gained from this course are intended to support students' ongoing engagement with science, and to form the foundation for further studies and participation in current and emerging STEM-related post-school activities and industries.

| CODE | ATAR |
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| IB | YES A |

Italian Beginners

What will I do in this subject?

In the Preliminary and the HSC course, students will develop their Knowledge and understanding of Italian across a range of topics. Family life, home and neighbourhood: People, places and communities; Education and work; Friends, recreation and pastimes; Holidays, travel and tourism; Future plans and aspirations. These topics will be explored through the integrated use of the four skills: listening, speaking, reading and writing. The external HSC will include a reading and writing paper and a listening and speaking examination.

What skills will I gain from this subject?

You will be able to communicate by using the 4 skills – Listening, Speaking, Reading and Writing on topics of everyday interest. Apply Italian language in further study and leisure situations.

How much practical/theory work is in this subject?

4 skills: Listening/Speaking/Reading/Writing.

What background and skills are recommended for this subject?

A desire to learn a new language and a willingness to practise (converse).

Are there additional requirements for this subject?

This course is designed for beginner students who have no prior knowledge of the language or have completed 100 hours or less of Italian at the middle school. The HSC examination includes a practical component. All students who wish to undertake a beginners language course must complete the Application for Eligibility Determination, including the Statutory Declaration.

Are there any exclusions for this subject?

Students studying Italian Continuers are excluded.

How will this course help me in the future?

Apart from the benefits of learning about and appreciating another culture, Italian is a widely spoken language in Australia.

Opportunities exist in the fields of travel and tourism, hospitality, business and finance, telecommunications and other service industries.

| CODE | ATAR |
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| IC | YES A |

Italian Continuers

What will I do in this subject?

The preliminary and HSC courses have, as their organisational focus, themes and associated topics. Students' skills will be developed through tasks associated with a range of text types, which reflect these themes and topics. Students will also gain an insight into the culture and language of Italian speaking communities through the study of a range of texts.

The themes are the individual, the Italian speaking communities and the changing world. Students' language skills are developed through tasks such as: conversation; responding to an oral stimulus; responding to a variety of written material; writing for a variety of purposes; studying Italian culture through texts. Students will complete various assessment tasks related to listening, reading writing and speaking and the HSC examination includes an oral/oral paper and a reading and writing paper.

What skills will I gain from this subject?

You will be able to communicate in Italian by using the 4 skills: Listening/Speaking/Reading/Writing.

(cont. over)

You will be able to apply Italian language in work, further study and leisure situations.

How much practical/theory work is there in this subject?

4 skills – Listening, Speaking, Reading Writing

What background and skills are recommended for this subject?

100 hours or more of Italian in stage 5 or equivalent

Are there additional requirements for this subject?

The continuers course presupposes an adequate knowledge in the 4 skills: Listening, Speaking, Reading, Writing. The HSC includes a practical component.

Are there any exclusions for this subject?

Italian Beginners.

How will this course help me in the future?

Competent speakers are increasingly needed in the areas of tourism and social services, trade relations and foreign affairs, international banking and finance, music, literature and journalism, cuisine, catering and the hospitality industry, textiles, fashion and design. This course will help you increase literacy in English. Being articulate in a certain language is a great asset.

Japanese Beginners

| CODE | ATAR |
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| JPB | YES A |

What will I do in this subject?

In the Preliminary Course, students will begin to develop their knowledge and understanding of the Japanese language and culture.

In the HSC course, students will continue to develop their knowledge of the Japanese language and culture.

What skills will I gain from this subject?

Through the study of six themes outlined in the syllabus, students will focus on developing listening, speaking, reading and writing skills. Their knowledge of Japanese culture will also develop.

How much practical/theory work is in this subject?

All six themes that are outlined in the syllabus must be studied for the HSC. The themes are: Family life, home and neighbourhood: People, places and communities; Education and work; Friends, recreation and pastime; Holidays, travel and tourism; Future plans and aspirations.

What background and skills are recommended for this subject?

A desire to learn a new language and a willingness to practice (converse).

Are there additional requirements for this subject?

The HSC examination includes a practical component.

Are there any exclusions for this subject?

Students who are enrolled in the Japanese Continuers and the Japanese Background Speakers Courses are excluded. Any student who has had ongoing contact with the Japanese language because of living with a relative who speaks the language, for example, is also excluded.

How will this course help me in the future?

Australia has strong cultural and economic links with Asia and therefore knowledge of Japanese is extremely valuable. Learning a new language and culture allows us to develop social skills so that we can enjoy interactions with different people. There are also many career opportunities available, some of which include teaching, tourism and travel, hospitality, commerce and banking and interpreting.

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| JPC | YES A |

Japanese Continuers

What will I do in this subject?

In the Preliminary and HSC courses, students will build on their existing knowledge of the Japanese language and culture.

What skills will I gain from this subject?

Students will focus on developing listening, speaking, reading and writing skills. Their knowledge of Japanese language and culture will develop as students engage in tasks associated with a range of text types.

How much practical/theory work is in this subject?

The themes "The Individual, The Japanese Speaking community and The Changing World" are studies for the HSC.

What background and skills are recommended for this subject?

This course is designed for students who have completed Japanese up to 100 hours. Candidates must have basic reading and writing skills and be able to understand simple conversation.

Are there additional requirements for this subject?

The HSC examination includes a practical component.

Are there any exclusions for this subject?

Japanese Background speakers. Any student who has had ongoing contact with the Japanese language because of living with a relative who speaks the language, for example, is also excluded.

How will this course help me in the future?

Australia has strong cultural and economic links with Asia and therefore knowledge of Japanese is extremely valuable. There are also many career opportunities available, some of which include teaching, tourism and travel, hospitality, commerce and banking and interpreting.

| CODE | ATAR |
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| LS | YES A |

Legal Studies

What will I do in this subject?

The Legal Studies course develops knowledge and understanding of the nature and functions of law in our society. It examines the structure and sources of the law from a domestic and international perspective as well as the role of the individual within these complex interplays.

The course will focus on the way in which the law is generated, how it is structured and how it operates in Australian and International contexts. Learning about our legal system will allow students to investigate the way our society operates and the influences that shape it.

Students will develop an understanding of the implications that legal decisions can have for Australian society and the ways in which the legal system can affect the lives of Australian citizens. A critical understanding of the processes of reform and change will help students to contribute to making our society more equitable for all.

The Preliminary course covers:

- The Legal System (40% course time) – introduction to the nature and functions of law.
- The Individual and the Law (30% course time) – an examination of how the law impacts on individuals.
- The Law in Practice (30% course time) – an examination of contemporary issues that illustrate how the law operates in practice.

The HSC course covers:

- Crime (30% course time) - investigates the criminal law, processes and institutions
- Human Rights (20% course time) - investigates the notion of human rights and the role of the legal system.

(cont. over)

- Family (25% course time) - investigates the legal nature of family relationships
- Consumer (25% course time) - investigates legal rights of consumers and the effectiveness of the law in achieving justice for consumers.

What skills will I gain from this subject?

The Legal Studies course requires the ability to investigate, analyse & synthesise social & legal information into articulate legal opinions and reports. Students learn to communicate complex legal ideas and language to appropriate audiences and have a significant impact on students' confidence in approaching and accessing the legal system. Legal Studies offers excellent preparation for life skills through an understanding of the legal system, its principles, structures, institutions and processes.

Legal Studies further fosters a respect for cultural diversity and promotes tolerance. It allows students to question and evaluate the legal and democratic institutional structures within the domestic and international environment and to undertake a comparative analysis of other political and institutional structures.

How much practical/ theory work is there in this subject?

This is a predominantly theoretical subject. Students are required to apply practically contemporary legal structures, media reports and case studies within the wider legal concepts of justice, fairness and equity. This requires a deep understanding of contemporary legal controversies and a development of student- initiated strategies in promoting a just and fair society, with a view to empowering students to participate effectively as citizens at the local, national and international level. Students are also required to understand the principles behind legislation and be able to accurately refer to legislation and cases in extended responses.

What background and skills are recommended for this subject?

Legal Studies is an academically challenging subject and is better suited to students who achieve bands A, B or C in English and History in year 10. Essay writing, understanding concepts and terminology are highly recommended as HSC assessment is largely essay based.

Are there additional requirements for this subject?

There are none for this course.

Are there any exclusions for this subject?

There are none for this subject.

How will this course help me in the future?

This course is not designed to prepare you for further study in the law but rather prepare you to participate effectively in everyday life. The course is designed to foster intellectual, social & moral development by empowering students to think critically about the role of the law & legal institutions in society.

As a consequence of this, legal studies will provide students with an understanding of the legal system, its principles, structures, institutions and processes. It is useful in preparation for further study at TAFE NSW or university in a range of areas.

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| MAS | YES A |

Mathematics Standard

What will I do in this subject?

This course enables students to develop their knowledge and understanding of what it means to work mathematically, improve their skills to solve problems and improve their understanding of how to communicate in a concise and systematic manner. Mathematics Standard in Year 11 is the common course for either Mathematics Standard 1 or Mathematics Standard 2 in Year 12.

In Year 11 you will study the following topics with each topic divided into subtopics: Algebra (Formulae and Equations, Linear Relationships), Measurement (Applications of Measurement and Working with Time), Financial Mathematics (Money Matters) and Statistical Analysis (Data Analysis and Relative Frequency and Probability).

In Year 12 students may elect to study either Mathematics Standard 1 or Mathematics Standard 2.

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Students studying Mathematics Standard 1 will study the following topics: Algebra (Types of relationships), Measurement (Right angled Trigonometry, Rates and Scale Drawings), Financial Mathematics (Investments and Depreciation and Loans), Statistical Analysis (Further Statistical Analysis) and Networks (Networks and Paths).

Students studying Mathematics Standard 2 will study the following topics: Algebra (Types of Relationships), Measurement (Non-right-angled Trigonometry, Rates and Ratios), Financial Mathematics (Investments and Loans and Annuities), Statistical Analysis (Bivariate Data Analysis and The Normal Distribution) and Networks (Network Concepts and Critical Path Analysis).

What skills will I gain from this subject?

Students will develop the ability to:

- apply reasoning and use appropriate language in the study in evaluating and constructing arguments.
- use concepts and apply techniques to the solution of problems in the designated topics.
- use mathematical skills and techniques aided by technology to organise information and interpret practical situations.
- interpret and communicate mathematics in a variety of written and verbal forms, including diagrams and graphs.

In general, students will be able to use mathematics more effectively and critically to make informed decisions in their daily lives.

How much practical/theory work is in this subject?

A hands-on-approach is recommended in this course with practical activities and the use of technology where appropriate.

What background skills are recommended for this subject?

Students should have engaged with all sub strands of Stage 5.1 and with the following sub strands of Stage 5.2- Financial mathematics, Linear relationships, Non-linear relationships, Right-angled triangles (trigonometry), Single variable data analysis and Probability.

Students should also have engaged with some of the content in the substrands; Non-linear relationships and Properties of geometrical figures.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

No

How will this course help me in the future?

Mathematics Standard 1 - this course is designed to help students improve their numeracy so that they are able to manage a situation or solve a problem in real contexts such as everyday life, work or further learning. This course offers students the opportunity to prepare for post-school options of employment or further training.

Mathematics Standard 2 - this course offers students the opportunity to prepare for a wide range of educational and employment aspirations, including continuing their studies at tertiary level without engaging in any calculus.

Mathematics Advanced

What will I do in this subject?

This course enables students to acquire and enhance their knowledge, skills and understanding of what it means to work mathematically, develop their understanding of the relationship between 'real-world' problems and mathematical models and extends their skills of concise and systematic communication

In Year 11 you will study the following topics with each topic divided into subtopics: Functions (Working with Functions), Trigonometric Functions (Trigonometry and Measures of Angles, Trigonometric Functions and Identities) Calculus (Introduction to Differentiation), Exponential and Logarithmic Functions (Logarithms and Exponentials), Statistical Analysis (Descriptive Statistics, Probability, Discrete Probability Distributions). *(cont. over)*

| CODE | ATAR |
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| MAM | YES A |

In Year 12 you will study the following topics with each topic divided into subtopics: Functions (Graphing Functions), Trigonometric Functions (Trigonometry Functions and Graphs), Calculus (Differential Calculus, The Second Derivative, Integral Calculus), Financial Mathematics (Modelling Financial Situations), Statistical Analysis (Bivariate Data Analysis, Random Variables).

What skills will I gain from this subject?

Students will develop the ability to:

- develop knowledge, understanding and skills about efficient strategies for pattern recognition, generalisation and modelling techniques.
- develop the ability to use mathematical concepts and skills and apply complex techniques to the modelling and solution of problems in algebra, and functions, measurement, financial mathematics, calculus, data and statistics and probability.
- develop the ability to use advanced mathematical models and techniques, aided by appropriate technology, to organise information, investigate, model and solve problems and interpret a variety of practical situations.
- develop the ability to interpret and communicate mathematics logically and concisely in a variety of forms.

How much practical/theory work is in this subject?

This course is based on theory and mathematical proof with the incorporation of technology.

What background and skills are recommended for this subject?

Students should have engaged with all sub strands of Stage 5.1 and 5.2 and with the following substrands of Stage 5.3- Algebraic techniques, Surds and indices, Equations, Linear relationships, Trigonometry and Pythagoras' theorem and Single variable data analysis. Students should have achieved course outcomes at a competent or highly developed level.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

No

How will this course help me in the future?

The Mathematics Advanced course provides a basis for further studies in disciplines in which mathematics and the skills that constitute thinking mathematically have an important role. It is designed for those students whose future pathways may involve mathematics and its applications in a range of disciplines at the tertiary level.

| CODE | ATAR |
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| MAEX | YES A |

Mathematics Extension 1

What will I do in this subject?

This course provides students with the opportunity to extend their knowledge and understanding of what it means to work mathematically, develop their skills to reason logically, generalise and make connections, and enhance their understanding of how to communicate in a concise and systematic manner. Students studying this course must also study Mathematics Advanced Year 11 and Mathematics Advanced in Year 12.

In Year 11 you will study the following topics with each topic divided into subtopics: Functions (Further work with Functions and Polynomials), Trigonometric Functions (Inverse Trigonometry Functions and Further Trigonometric Identities), Calculus (Rates of Change), Combinatorics (Working with Combinatorics)

In Year 12 you will study the following topics with each topic divided into subtopics: Proof (Proof by Mathematical Induction), Vectors (Introduction to Vectors), Trigonometric Functions (Trigonometric Equations), Calculus (Further Calculus Skills and Applications of Calculus), Statistical Analysis (The Binomial Distribution)

What skills will I gain from this subject?

Students will develop the ability to:

- develop efficient strategies to solve problems using pattern recognition, generalisation, proof and (cont. over)

modelling techniques

- develop the ability to use concepts and skills and apply complex techniques to the solution of problems and modelling in the areas of trigonometry, functions, calculus, proof, vectors and statistical analysis
- use technology effectively and apply critical thinking to recognise appropriate times for such use
- develop the ability to interpret, justify and communicate mathematics in a variety of forms.

How much practical/theory work is in this subject?

This course is based on theory and mathematical proof with the incorporation of technology.

What background and skills are recommended for this subject?

Students should have engaged with all sub strands of Stage 5.1, Stage 5.2 and Stage 5.3, including the optional sub strands of Polynomials, Logarithms, Functions and other graphs and Circle Geometry. Students should have achieved course outcomes at a highly developed level.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

This course provides a basis for progression to further study in mathematics or related disciplines in which mathematics has a vital role at a tertiary level. An understanding and exploration of Mathematics Extension 1 is also advantageous for further studies in such areas as science, engineering, finance and economics.

Modern Greek Beginners

| CODE | ATAR |
|------|-------|
| MGB | YES A |

What will I do in this subject?

In the Preliminary and the HSC course, students will develop their knowledge and understanding of Modern Greek across a range of topics. Family life, home and neighbourhood: People, places and communities; Education and work; Friends, recreation and pastimes; Holidays, travel and tourism; Future plans and aspirations.

The external HSC will include a reading and writing paper and a listening and speaking examination.

What skills will I gain from this subject?

You should be able to communicate in Modern Greek, by using the 4 Skills – Listening, Speaking, Reading and Writing, on everyday topics in a simple and effective manner. You will be able to apply Greek language in further study and leisure situations.

How much practical/theory work is in this subject?

Four skills – Listening, Speaking, Reading and Writing.

What background and skills are recommended for this subject?

A desire to learn a new language and a willingness to practise (converse).

Are there additional requirements for this subject?

This course is only available to students who have no prior knowledge of Modern Greek or completed 100 hours or less of Modern Greek at Middle School. The HSC examination includes a practical component. All students who wish to undertake a beginners language course must complete the Application for Eligibility Determination, including the Statutory Declaration.

Are there any exclusions for this subject?

Modern Greek Continuers

How will this course help me in the future?

Apart from the benefits of learning a community language and appreciating another culture, Modern Greek is spoken in Australia. Opportunities exist in the fields of travel and tourism, hospitality, business and finance, telecommunications and other service industries. English have inherited thousands of words of Greek origin, thus the study of Modern Greek will enable you to increase literacy in your own language.

Modern Greek Continuers

| CODE | ATAR |
|------|-------|
| MGC | YES A |

What will I do in this subject?

The Preliminary and HSC courses have, as their organisational focuses, themes and associated topics. Students' skills will be developed through tasks associated with a range of texts and text types, which reflect these themes and topics. Students will also gain an insight into the culture and language of Greek-speaking communities through the study of a range of texts.

The themes are the individual, the Greek-speaking communities and the changing world. Students' language skills are developed through tasks such as: conversation; responding to an aural stimulus; responding to a variety of written material; writing for a variety of purposes; studying Greek culture through texts. Students will complete various assessment tasks related to listening, reading, speaking and writing and the HSC examination includes an oral/aural paper an a reading and writing paper.

What skills will I gain from this subject?

You will be able to communicate in Greek by using the 4 skills: Listening / Speaking / Reading / Writing. You will be able to apply Greek language in work, further study and leisure situations.

How much practical/theory work is there in this subject?

4 skills – Listening, Speaking, Reading, Writing

What background and skills are recommended for this subject?

School Certificate Modern Greek or Equivalent.

Are there additional requirements for this subject?

The Continuers course presupposes an adequate knowledge in the 4 skills: Listening, Speaking, Reading and Writing. The HSC examination includes a practical component

Are there any exclusions for this subject?

Modern Greek Beginners.

How will this course help me in the future?

Opportunities exist in the fields of travel and tourism, hospitality, education, health, business and finance, telecommunications and other service industries. This course will help you increase literacy in English. Being articulate in a certain language is a great asset.

Modern History

| CODE | ATAR |
|------|-------|
| MH | YES A |

What will I do in this subject?

Modern History offers 2U Preliminary and HSC courses with the option of 1Unit History Extension for the HSC course.

The course will consist of:

- Investigating Modern History - investigate aspects of history of the modern world using a range of sources
- An historical investigation - allows for individual or group investigation, research and presentation.
- The Shaping of the Modern World - investigate forces and ideas that shape the modern world through a study of key events and developments. World War 1.

(cont. over)

The HSC course will cover:

- Core Study - Power and Authority in the Modern World
- National Study - a study of a specific period of a nation in the 20th Century. USA 1919-1941 and The Cuban Revolution.
- Change in the Modern World - focuses on political and social change and the role of individuals and groups. Civil Rights in the USA 1945-1968.
- Peace and Conflict – one study. Conflict In Indochina 1954-1979.

The HSC History Extension Course involves the study and evaluation of the ideas and processes used by historians to produce history. Part I – students investigate constructing history through readings and through case study. Part II – students design, undertake and communicate a personal historical inquiry by analysing the historiography of an aspect of history. In order to do History Extension in the HSC course, students must be in the top 10% of students in the preliminary course. Also, students must be studying Modern or Ancient history in the HSC course.

What skills will I gain from this subject?

Students of Modern History will develop higher order skills in research, investigation and critical analysis and the ability to interpret and use both primary and secondary sources. They will develop an understanding of continuity and change over time and the knowledge and understanding of a range of people, ideas, movements, events and developments in the modern world in their historical context. Students will learn to appreciate the influence of the past on the present and the future to become lifelong learners and active and informed citizens.

How much practical/ theory work is there in this subject?

This is a predominantly theoretical subject. The practical comes in the shape of historical investigation and research that continues throughout all courses.

What background and skills are recommended for this subject?

Students need to have an interest in Modern History and have analytical skills, research skills, wide reading and essay writing skills.

Are there additional requirements for this subject?

There are none for this course.

Are there any exclusions for this subject?

There are no exclusions for this subject

How will this course help me in the future?

The skills developed in this course will be useful in tertiary education as well as the professional and commercial world. In particular, they are applicable to law, teaching, medicine, psychology, communication, social work, librarianship and journalism.

HSC History Extension will provide you with critical and reflective thinking skills that are essential for effective participation in work, higher learning and the broader community. The skills and methodologies of this course will be valuable to students in a wide range of disciplines at tertiary level.

Music 1

| CODE | ATAR |
|------|-------|
| MC1 | YES A |

What will I do in this subject?

In both the Preliminary and HSC courses, students will gain widening experience in Performance, Composition, Musicology and Listening through the study of the various concepts of music.

Students study 3 topics each year from a list of 21 which range from Classical to Pop, Jazz and Rock music. Students are encouraged both to broaden their listening experiences as well as specialising in their chosen areas. Students will participate in a range of performance experiences from assemblies to school performance nights.

In the HSC course, in addition to the Core Performance and Aural Exam, students must select 3 electives from (cont. over)

Performance, Composition and/or Musicology. These electives MUST represent the 3 topics studied in the HSC course. This accounts for 60% of the final course mark.

What skills will I gain from this subject?

At the end of the course, students are expected to:

- Perform with a high level of musicality and technique on their chosen instrument
- Analyse, identify and discuss the concepts of music
- Compose music in a variety of musical styles
- Engage with and use a variety of musical notation styles
- Perform as a soloist and as a member of an ensemble.

How much practical/theory work is in the subject?

This depends on the electives chosen. Practical work can range between 10% and 70%.

What background and skills are recommended for this course?

Students must have some instrumental or singing experience. It is essential that students have their own instrument and be willing to seek private instruction if necessary.

Are there additional requirements for this subject?

All students are required to perform in front of others at times in the course. The HSC includes a practical component.

Are there any exclusions for this subject?

Music 2

How will this course help me in the future?

Music 1 provides many of the skills required in the diverse fields of the Music Industry. Students may progress into music courses at TAFE or University with a good foundation of knowledge and practical skills. Music Course 1 builds a knowledge of contemporary music and of music in other cultures.

| CODE | ATAR |
|------|-------|
| MC2 | YES A |

Music 2

What will I do in this subject?

In both the Preliminary and HSC courses, students will gain widening experience in Performance, Composition, Musicology and Listening through the study of the various concepts of music. Students study the Mandatory Topic, Music 1600 – 1900 in the Preliminary year, and the Mandatory Topic, Music of the last 25 years in the HSC year.

In the HSC course, in addition to the Core Studies, students must select 1 elective from Performance, Composition and/or Musicology. This accounts for 30% of the final course mark.

In the HSC year it is possible to undertake Extension studies (1 unit) in either Composition, Musicology or Performance.

What skills will I gain from this subject?

At the end of the course, students should be able to:

- Perform with a high level of musicality and technique on their chosen instrument/voice
- Analyse the compositional techniques used in a variety of styles of music
- Compose a piece in one of the styles found in music of the last 25 years
- Understand the historic development of music from the Baroque Period to music of the present day.

How much practical/theory work is in this subject?

This depends on electives chosen. Practical work can range between 15% and 60%.

(cont. over)

What background and skills are recommended for this subject?

Pre-requisites – Music Elective Year 10 , or equivalent external studies.

It is strongly recommended, and expected, that all students have private instrumental/singing lessons

Are there additional requirements for this subject?

Students will be required to perform at various school events. Students are also expected to be undertaking regular practise in the instrumental repertoire.

Are there any exclusions for this subject?

Music 1.

How will this help me in the future?

Music 2 provides many of the skills required in the diverse fields of the Music Industry. This course is designed for the academic music student and contains all the entry requirements for tertiary music courses at University with a strong foundation of knowledge, analytical and practical skills.

Personal Development Health & Physical Education

| CODE | ATAR |
|------|-------|
| PDH | YES A |

What will I do in this subject?

The Preliminary course examines a range of areas that underpin health and physical activity. This includes current thinking about health and physical activity, the management of personal health and basic body movement.

Students have the opportunity to select two options from a range of options in areas such as first aid, outdoor recreation, composing and performing and fitness choices.

In the Preliminary course there are 2 core topics (60%): Better health for individuals and the Body in motion. The optional component (40%) includes two options each from: First aid, composition and performance, fitness choices, outdoor recreation.

In the HSC course, the focus is on major issues related to Australia's health status. They also look at factors that affect physical performance. They undertake two core units Health Priorities in Australia and Factors Affecting Performance.

In other options, students focus on improved performance and safety, by learning about advanced approaches to training and concepts of sports medicine. There is also an opportunity to think critically about the factors that impact on sport and physical activity in Australian society.

The HSC course covers core topics (60%): Health priorities in Australia, Factors affecting performance. The optional component (40%) includes two options each from: the Health of Young People, Sport and Physical activity in Australian Society, Sports medicine, Improving performance, Equity and Health.

What skills will I gain from this subject?

- Understand personal and community health issues
- Understand anatomy and physiology
- Have skills in analysis and in the development of personal health.

Develop self confidence, physical well being, self esteem, physical motor skills, decision making and developing positive attitudes and beliefs.

How much practical/theory work is in this subject?

This course has a **substantial theory component** and all practical work directly relates to the theory work in class. Students will be given opportunities to participate in the practical aspects of the course throughout the preliminary and HSC course where necessary.

What background and skills are recommended for this subject?

Students should have a very keen interest in PDHPE and human movement. Students who have a strong sporting background would benefit from doing this course. This course is open to all serious students who want to expand their knowledge, skills and understanding in Health and Physical Education.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

It is recommended that students do not choose PDHPE and SLR.

How will this course help me in the future?

Undertaking this course will provide foundation studies for those students with a special or vocational interest in human movement, and individual and community health issues. The course would be of great benefit to anyone wishing to take up a career in any of the sport sciences, nursing, coaching or PDHPE teaching.

Physics

| CODE | ATAR |
|------|-------|
| PHY | YES A |

What will I do in this subject?

The study of Physics in Stage 6 aims to enable students to develop an appreciation and understanding of the application of the principles of physics, and of the theories, laws, models, systems and structures of physics. It also enables students to apply Working Scientifically skills processes to examine physics models and practices and their applications.

Year 11 modules:

- Kinematics
- Dynamics
- Waves and Thermodynamics
- Electricity and magnetism

Year 12 modules:

- Advanced Mechanics
- Electromagnetism
- The Nature of Light
- From the Universe to the Atom

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- foster the intellectual, creative, ethical and social development of students.
- application of knowledge, skills, understanding, values and attitudes in the fields of study they choose.
- capacity to manage their own learning and to become flexible, independent thinkers, problem-solvers and decision-makers.
- capacity to work collaboratively with others.
- respect for the cultural diversity of Australian society.
- promote the development of students' values, identity and self-respect

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of both the Year 11 and Year 12 course and must occupy a minimum of 70 hours of course time, including time allocated to practical investigations in depth studies.

What background and skills are recommended for this subject?

This subject is for students with substantial achievement in stage 5 Science and are seeking university entrance. Students need good organisation, a sound work ethic and skills in following laboratory procedures, using laboratory apparatus, research from sources, interest in detailed investigation, use of technology, graph work, problem solving, apply mathematical concepts to real world situations and independent work in class and at home.

Are there additional requirements for this subject?

During both the Year 11 and Year 12 courses you will complete a 15 hour depth study for each science course.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus. It may be one investigation/activity or a series of investigations/activities.

Are there any exclusions for this subject?

No, although you cannot do more than three (3) Science courses in each year.

How will this course help me in the future?

The study of physics provides the foundation knowledge and skills required to support participation in a range of careers. It is a discipline that utilises innovative and creative thinking to address new challenges, such as space exploration, energy efficiency and the creation of new materials.

Retail Services - VET

| CODE | ATAR |
|-------|-------|
| VETRO | YES B |

What will I do in this subject?

This course is designed to reflect the role of individuals who work in the Retail Industry. Students successfully completing the units achieve Certificate III in Retail.

CORE

- engage the customer
- assist with customer difficulties
- build customer relationships and loyalties
- work effectively in a team
- work effectively in a service environment - identify and respond to security risks
- sell to retail customer
- contribute to workplace health and safety.

In order to successfully complete the course students must also undertake 70 hours of work placement in a retail environment – 35 hours for each 120 hours of course work

Students already employed in a retail environment may be able to gain recognition of skills/experience already learned during the course of their employment.

What skills will I gain from this subject?

Students studying Retail Services will gain a variety of skills applicable to any commercial environment including communication skills, customer service skills, sales skills, operation of computer equipment, workplace health & safety awareness and stock control skills.

Students who successfully complete all elements of the course (including work placement) will be eligible for a Certificate III in Retail Services SIR30216.

How much practical/theory work is in this subject?

This course is a mixture of practical and theory work. Competency based assessment of skills is ongoing throughout the course. Much of the practical work occurs during compulsory work placement. Here, students can apply the skills they learn in a working retail environment.

(cont. over)

What background and skills are recommended for this subject?

Communication skills - written and oral, understanding of a customer focus approach, basic mathematical skills.

Are there additional requirements for this subject?

Students must attempt each of the units of competency described in the course structure and undertake a minimum of 35 hours work placement in a retail store for each 120 hours of study (i.e. 70 hours over 2 years). A subject fee applies.

How will this course help me in the future?

The skills developed in this course will be particularly useful for those contemplating a career not only in the exciting world of Retailing but other professional and commercial industries or further tertiary study.

In particular, they are applicable to advertising, business, communications, customer service, management, marketing, real estate, sales, tourism and travel.

Retail Services will provide you with critical skills that are essential for effective participation at work, higher learning and the broader community.

Society And Culture

| CODE | ATAR |
|------|-------|
| S&C | YES A |

What will I do in this subject?

The Society and Culture course develops student awareness and understanding of basic social and cultural patterns of action and behaviour.

The course trains students to think critically and independently about complex social and cultural issues. Students draw on cross disciplinary concepts and social research and use them to investigate and report their findings on social-cultural phenomena of the past, present and future.

The key aim of the course is to foster and develop; the social and cultural literacy of students.

The Preliminary course covers:

- The Social and Cultural World (30% course time) – the focus of this study is the interactions occurring between persons and within and between groups both in the contemporary world and in societies across time.
- Personal and Social Identity (40% course time) – the focus of this study is the process of socialisation and the development of personal and social identity in individuals and groups in a variety of social and cultural settings
- Intercultural Communication (30% course time) – the focus of this study is to understand how people in different social, cultural and environmental settings behave communicate and perceive the world around them so that they can better understand each other and their world.

Across these topics, appropriate social and cultural research methodologies will be employed and fundamental concepts of society, culture, persons, environment, time, power, authority, gender identity, globalisation and technology are to be integrated.

The HSC course covers:

- Social and Cultural Continuity and Change (30% course time) – an examination of the nature of social and cultural continuity and change and to examine it through the application of research methods and social theory in relation to a selected country.
- Depth Studies (40% course time) – an examination of TWO areas to be chosen from: Popular Culture, Belief Systems and Ideologies, Social Inclusion and Exclusion, Social Conformity and Nonconformity.
- Personal Interest Project (PIP) (30% course time)- a compulsory individual research project that draws together the interests, research skills and personal experiences of the student.

What skills will I gain from this subject?

Students will gain life-long learning skills in their ability to apply and evaluate social and cultural research.

They will be able to investigate and engage in effective analysis, synthesis and evaluation of information from a variety

(cont. over)

of sources and communicate information, ideas and issues in appropriate forms to different audiences in a variety of contexts.

How much practical/ theory work is there in this subject?

Society and Culture is heavily dependent upon social research. Students are required to apply their own social research on a regular basis to verify, test and engage the fundamental concepts and understandings of the course. The Personal Interest Project (PIP) is a demanding application of this practical requirement and involves a substantial commitment of time, resources and study into the study of a social and cultural topic of the student's own choosing.

What background and skills are recommended for this subject?

Critical thinking, application of theory, writing skills of mid to high order, research.

Are there additional requirements for this subject?

Each student must submit a Personal Interest Project, which includes a log, to NESAs for marking. This mark contributes to the HSC examination mark.

Are there any exclusions for this subject?

There are no exclusions for this subject

How will this course help me in the future?

Society and Culture prepare students for immediate transition to work or tertiary study. Students learn to analyse issues, to write reports, to work in teams, to conduct individual research, to communicate with a variety of people in many ways and to understand their place in the global community. Society and Culture would be particularly valuable to students who wish to undertake further study in the humanities, business and law, but would provide useful skills for any student for any university or TAFE NSW course.

Software Design And Development

| CODE | ATAR |
|------|-------|
| SDD | YES A |

What will I do in this course?

The Preliminary course introduces students to the basic concepts of computer software design and development. It does this by looking at the different ways in which software can be developed, the tools that can be used to assist in this process and by considering the interaction between software and the other components of the computer system.

The Preliminary course covers:

- Concepts and Issues in the Design and Development of Software (30%): social and ethical issues; hardware and software; software development approaches
- Introduction to Software Development (50%): defining and understanding the problem and planning and designing software solutions; implementing software solutions; testing and evaluating software solutions; maintaining software solutions.
- Developing Software Solutions (20%): using project management techniques, students will develop software solutions for given specifications

The HSC course builds on the Preliminary course and asks students to develop and document software using a variety of data structures and language features. Through this they will learn to solve a number of interesting and relevant software problems.

The HSC course covers:

- Development and Impact of Software Solutions (15%): social and ethical issues; application of software development approaches
- Software Development Cycle (40%): defining and understanding the problem; planning and designing software solutions; implementing software solutions; testing and evaluating software solutions; maintaining software solutions
- Developing a Solution Package (25%): students will identify a problem, then document and develop a software

(cont. over)

solution using the content covered during other topics in the course.

- Option: (20%) Programing Paradigms or The Interrelationship between software and hardware

What skills will I gain from this subject?

In the SDD course you will gain skills in:

- Designing and developing software solutions
- Managing the design and development of software solutions
- Teamwork and communication associated with the design and development of software solutions.

How much practical/theory work is in this subject?

Practical experience will occupy a minimum of 20% of the Preliminary course, and a minimum of 25% of the HSC course.

What background and skills are recommended for this subject?

This course is suited to any student who:

- Has an interest in screen design and programming
- Enjoys creative and problem-solving individually and as part of a team.

It is not necessary to have taken IST in Years 9 and 10.

Are there additional requirements for this subject?

Students would find it difficult to satisfy the requirements of this course without access to a computer and the Internet for extended periods of time outside the classroom. A subject fee applies.

Are there any exclusions for this subject?

Students can study SDD with any other courses, including Information Processes and Technology and VET Information and Digital Technology and Design and Technology (software strand). The only restriction is that students may not use major works from one subject as their major work for another.

How will this course help me in the future?

This course provides excellent employment opportunities, both during and after the HSC. It provides a solid foundation for further studies both at TAFE NSW and university. In addition, the design and analysis skills you develop in this course have immediate application in many areas of life and further study.

| CODE | ATAR |
|-------|------|
| VETSC | NO |

Sport Coaching - VET

What will I do in this subject?

This course reflects the role of individuals who apply the skills and knowledge to be competent in delivering a basic instructions session for a sport. Work may be undertaken as part of a team and would be performed under supervision or independently in a structured environment such as a sporting club or school. Individuals wishing to undertake this qualification should be current or past participants in the respective sport specialization chosen as part of this qualification. This qualification is accredited for the HSC and provides students with the opportunity to obtain nationally recognized vocational qualifications. This is known as dual accreditation .

What skills will I gain from this subject?

CORE

- organise and complete daily work activities
- develop and update knowledge of coaching practices
- coach beginner or novice participants to develop fundamental motor skills
- communicate effectively with others in a sport environment

- assist in preparing and conducting sport and recreation sessions
- develop and update sport, fitness and recreation industry knowledge
- follow work health and safety policies
- provide first aid (to be delivered by an external RTO)

ELECTIVES

- teach fundamental basketball skills
- officiate games or competitions
- develop and update officiating knowledge
- implement sport injury prevention
- teach foundation netball skills
- teach the skills of rugby league for modified games
- teach the fundamental skills of athletics

Students who are assessed as competent in all of the above units will be eligible for the Certificate II in Sport Coaching SIS20513.

Skills involved in operating and managing a business, working effectively in a team, teaching and developing skills in your specialised sport, tactical skills, conditioning skills and communication skills. In general you will learn skills in preparing and conducting sport and recreation sessions, learn athlete support in areas of nutrition, travel and goal setting.

How much practical/theory work is in this subject?

There is a broad theory component required to attain Certificate II qualifications. However this is a competency based course where achievement in your specialist sport involves demonstrated evidence of practical skills and performance is required.

What background and skills are recommended for this subject?

A high interest in the sport and recreation industry, ability in a particular sport and a goal to pursue this as a future career. Students need to have demonstrated ability and motivation.

Are there additional requirements for this subject?

Students wishing to do this course will be required to complete an additional application after they have submitted their subject selection forms. A work placement of 35 hours for course work is mandatory. There is no HSC exam for the VET Sport Coaching course

Are there any exclusions for this subject?

Units common to VET Business Services.

How will this course help me in the future?

This course allows students to undertake Sport Coaching qualifications as part of their HSC program of study. It is recognised across Australia by industry and private training providers. It provides advanced standing into TAFE NSW and provides entry level qualifications into the Sport and Recreation industry.

Sport Lifestyle and Recreation

What will I do in this subject?

In Sport, Lifestyle and Recreation students will focus on those aspects of the learning area that relate most closely to participation in sport and physical activity. Students must have a strong interest in participating in a range of practical and theory based modules. All modules have a substantial amount of theory work which is supported by practical focus.

What skills will I gain from this subject?

| CODE | ATAR |
|------|------|
| SLR | NO |

(cont. over)

Students studying SLR develop knowledge and understanding of the value of activity, increased levels of movement skill, competence in a wide variety of sport and recreation contexts and skills in planning to be active. These and other aspects of the course will enable students to adopt and maintain an active lifestyle.

How much practical work is in this subject?

The course features a highly practical focus.

The modules in Sport, Lifestyle and Recreation that may be studied include:

1. Athletics
2. First Aid and Sports Injuries
3. Fitness
4. Games and Sports Applications I
5. Games and Sports Applications II
6. Healthy Lifestyle
7. Individual Games and Sports Applications
8. Outdoor Recreation
9. Resistance Training
10. Social Perspectives of Games and Sports
11. Sports Administration
12. Sports Coaching and Training

What background skills are recommended for this subject?

A capacity to enjoy a variety of physical activities and movement skills and competence in a wide variety of sport and recreation contexts.

Are there additional requirements for this subject?

Limited places exist so ONLY students who have a strong interest, ability and motivation should select SLR.

Are there any exclusions for this subject?

It is recommended that students studying PD, Health, PE should not select this course.

How will this course help me in the future?

The areas of sports science, physical education and human movement present viable post-school study and career pathways. This course provides a sound platform for further study and may offer some credit transfer opportunities into TAFE. The Sport and Recreation industry is a major growth industry and in this course students will gain an understanding and appreciation of the vocational possibilities in this area.

Textiles And Design

What will I do in this subject?

This is a practical subject which includes developing skills through making textile items and developing knowledge, understanding in design and textile science which reflect the important role that textiles play in society.

The Preliminary course covers;

- Design (aesthetic and functional design; fashion drawing; elements and principles of design) 40%
- Properties and Performance (fibres, yarns and fabrics) 50%
- The Australian Textiles Industry (historical development of the textile industry) 10%
- Two practical projects and folios are completed in year 11. These are mandatory.

| CODE | ATAR |
|------|-------|
| TXD | YES A |

The HSC course covers;

- Design (Fabric decoration; Historical design development; contemporary designers) 20%
- Properties and Performance (end-use applications; innovations and emerging technologies 20%
- Australian Textiles Industries (environmental sustainability; current issues in the Australian Textile Industry) 10%
- Major Textile Project This includes a practical project and a folio which is externally marked and contributes to 50% of the exam mark.

What skills will I gain from this subject?

Design, time management skills, fashion illustration, practical construction, pattern modification and fitting. Informed decision making in relation to textile clothing and footwear, vocational training in fashion and fashion retail and a life long leisure skill.

How much practical/theory work is in this subject?

Practical 50% and Theory 50%.

What background and skills are recommended for this subject?

Textile Technology (Years 9-10). Mandatory Technology will assist with portfolio management.

Are there additional requirements for this subject?

As part of WHS, students must wear enclosed hard leather shoes. All students design and make a major textile project of their own choice in Year 12 (HSC) that is handed in for external marking. The major textile project makes up 50% of the final HSC mark. Therefore the HSC exam is 1^{1/2} hours long.

The external practical project allows students to develop and display their practical skills and acquire marks towards their HSC. The folio and project can be used for entrance into a tertiary studies workplace.

A course fee applies which must be paid by week 5 term 1 in Year 11 and 12.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

The skills and knowledge acquired are useful for a career in the retail fashion industry, theatrical design, teaching, fibre and fabric research, craftwork, interior design, advertising, marketing, commercial fabric buying and creative textile works. Skills developed also lead to a life long recreational skill.

Visual Arts

What will I do in this subject?

Visual Arts involves students in art making, art criticism and art history. Students develop ideas and experiment with a variety of art making techniques and media. In the theory component, students critically and historically investigate artworks, critics, historians and artists from Australia as well as from other cultures, traditions and times. In the HSC course students will pursue their own practical interests, culminating in the making of a "Body of Work".

What skills will I gain from this subject?

Study of Visual Arts develops skills in critical thinking and problem solving as well as technical skills in a variety of art making processes. Students will learn to enhance their creativity and to develop an idea to express themselves in a visual manner.

How much practical/theory work is in this subject?

Both preliminary and HSC courses are 50% theory and 50% practical.

What background and skills are recommended for this subject?

Self direction, creativity and genuine interest in art, artists and practice, process diary skills, time management skills.

| CODE | ATAR |
|------|-------|
| VA | YES A |

(cont. over)

Are there additional requirements for this subject?

Students must complete a final Body of Work which contributes to the final assessment mark. Please note this subject has Course Fees.

Are there any exclusions for this subject?

Work developed for assessment in any other subject must not be used in full or in part for assessment in Visual Arts.

How will this course help me in the future?

In Visual Arts students will develop skills and qualities that are relevant to many situations in the workplace and in further study. This course encourages you to become a critical consumer of contemporary visual culture in a world that is dominated by visual images. It may lead to further post-school study at University or TAFE or vocational training in the context of the work place. It prepares you for a career in animation, illustration, design, merchandising, visual communication, professional artist, media, advertising.

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TVET Courses Delivered at or through Oatley Campus

| Course | Code | Type | units | Additional credential | ATAR/ category | Notes |
|---------------------------------------|-------|-----------------|-------|-----------------------|----------------|----------------|
| Animal Studies | TFAC | Board Endorsed | 2 | AQF VET | No | Work placement |
| Applied Fashion Design and Technology | TFFS | Board Endorsed | 2 | AQF VET | No | |
| Automotive | TFAT | Board developed | 2 | Industry? AQF VET | Yes B | Work placement |
| Aviation and Aeroskills | TFAV | Board Endorsed | 2 | AQF VET | No | Work placement |
| Beauty Services | TFBT | Board Endorsed | 2 | AQF VET | No | Work placement |
| Community Services | TFCOM | Board Endorsed | 2 | AQF VET | No | Work placement |
| Design Fundamentals | TFDS | Board Endorsed | 2 | AQF VET | No | |
| Early Childhood Education and Care | TFCS | Board Endorsed | 2 | AQF VET | No | Work placement |
| Electrotechnology | TFET | Board developed | 2 | Industry AQF VET | Yes B | Work placement |
| Financial Services | TFACC | Board developed | 2 | Industry AQF VET | Yes B | Work placement |
| Fitness | TFFIT | Board Endorsed | 2 | AQF VET | No | Work placement |
| Floristry | TFFL | Board Endorsed | 2 | AQF VET | No | |
| Human Services | TFNS | Board developed | 2 | Industry AQF VET | Yes B | Work placement |
| Laboratory Skills | TFLS | Board Endorsed | 2 | AQF VET | No | |
| Maritime Operations | TFMO | Board Endorsed | 2 | AQF VET | No | |
| Music Industry | TFMI | Board Endorsed | 2 | AQF VET | No | |
| Plumbing | TFPU | Board Endorsed | 2 | AQF VET | No | |
| Property Services (Agency) | TFPS | Board Endorsed | 2 | AQF VET | No | |
| Resources and Infrastructure | TFRI | Board Endorsed | 2 | AQF VET | No | |
| Retail Baking | TFBK | Board Endorsed | 2 | AQF VET | No | |
| Salon Assisting | TFHD | Board Endorsed | 2 | AQF VET | No | |
| Screen and Media | TFSC | Board Endorsed | 2 | AQF VET | No | |

| | | | | | | |
|----------------------------|------|-----------------|---|------------------|-------|----------------|
| Signs and Graphics | TFSI | Board Endorsed | 2 | AQF VET | No | |
| Sport and Recreation | TFSR | Board Endorsed | 2 | AQF VET | No | Work placement |
| Tourism, Travel and Events | TFTE | Board developed | 2 | Industry AQF VET | Yes B | Work placement |
| Visual Arts - Photography | TFPH | Board Endorsed | 2 | AQF VET | No | |
| Warehousing Operations | TFWO | Board Endorsed | 2 | AQF VET | No | |

1. Participation in these courses cannot be guaranteed as places are shared with other schools. Courses will run
2. only if there is sufficient student demand
3. Most courses run on Tuesday afternoons from 1.30pm – 5.30pm with students required to travel to the TAFE college at their own expense.
4. The complete list of TVET courses offered to senior students in 2020 can be found in the “TVET Vocational Education and Training” handbook and online
5. See your Careers Adviser for more information and how to apply.

School based traineeships and apprenticeships opportunities - You can gain valuable work skills and experience while you are studying for the HSC as you combine paid work, school and TAFE training. Interested students should go to the following website for information and courses available:

www.sbatinnsw.info



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