

University of Sydney Foundation Program – Module outline for students commencing Jan 2023 – April 2024

<p>English</p>	<p>English A & B</p> <p>English A and B aims to provide thorough training in the language and related academic skills which will enable students to best achieve their academic potential at University. The main aims for this module are:</p> <p>To develop awareness and competency in the range of language-related skills required for successful study at Higher Education level. These include the processes and conventions of academic writing, effective and extensive reading strategies, effective participation in seminars and delivery of presentations, and listening to and recording information effectively from lectures.</p> <p>To develop the accuracy and range of written and spoken language to enable students to use language effectively and appropriately, with clarity and confidence.</p> <p>To support students in reflecting on their learning and identifying how to improve their skills and language.</p> <p>To ensure students are able to meet the requirements of the partner University through demonstrating a minimum English language level of IELTS 6.5 in the skills of reading, writing, listening and speaking.</p> <p>Topics include:</p> <ul style="list-style-type: none"> • Language skills including oral presentations, academic writing, advanced reading and comprehension, and active listening • Advanced academic skills, including critical analysis, independent learning, time management, research, analysis of sources and referencing. <p>Assessment:</p> <p>Semester One English</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Semester Two English</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite: Semester 1 English is a prerequisite for Semester 2 English.</p>
<p>Australian Studies</p>	<p>Australian Studies A</p> <p>This module explores the diversity of the Australian environment and the impact that people have on it. The course will help students to better understand the country they are studying in, and to develop an informed perspective on current environmental issues.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Contemporary issues in the Australian environment • Weather, climate and hazards of the Australian environment • Issues and case studies in the Australian environment. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Australian Studies B</p> <p>Australian Studies B explores Australian history with a focus on Early Colonial Development (1770 – 1840) or Australia in Conflict (1901 – present day). Students will obtain knowledge, understanding, attitudes, values, and skills to develop informed perspectives on a range of historical issues. Students will undertake investigations through the analysis of historical</p>

	<p>sources and enhance their ability to think critically and problem solve. Students will be required to look for historical bias and formulate written responses to assess historical evidence. This course improves student literacy skills required for university study.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Early Aboriginal life • European exploration • Colonial development – Federation – Australia in the 20th century. <p>Students will also gain an understanding of very important contemporary issues facing Australia such as:</p> <ul style="list-style-type: none"> • Changing immigration • Changing rights and freedom • Asylum seekers. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination
<p>Biology</p>	<p>Biology A</p> <p>An introduction to the fundamental concepts and processes of living organisms, and a study of modern biology in the context of the world around us. Develops practical, research, analysis and presentation skills.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Australian Biota • Cells • Classification • Evolution • Genetic Engineering • Mendelian Genetics. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Biology B</p> <p>An introduction to the structures, processes and systems of plants and animals. Study of the origin of life will demonstrate the evolution of the unique Australian ecology. Develops practical, research, analysis and presentation skills.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Biochemistry • Origin of life • Ecology • Plant and animal systems. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination
<p>Chemistry</p>	<p>Chemistry A</p> <p>Develops students knowledge and understanding of fundamental concepts in physical and inorganic chemistry. Students learn laboratory and analytical skills required for undergraduate study.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Properties of matter

	<ul style="list-style-type: none"> • Chemical reactions • Stoichiometry • Structure and bonding <p>Practical work is embedded within each topic.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite Year 11 Chemistry or equivalent.</p> <p>Co-requisite At least Mathematics for Business A, however Mathematics for Science A is recommended.</p> <p>Chemistry B Builds on what students have learnt in Chemistry A and further develops their knowledge and understanding of key concepts in physical, inorganic and organic chemistry. Students expand their laboratory and analytical skills acquired in Chemistry A needed for undergraduate study.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Chemical reactions • Stoichiometry • Energy and electrochemistry • Equilibrium • Acids and Bases • Organic chemistry <p>Practical work is embedded within each topic.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite Chemistry A and at least Mathematics for Business A.</p> <p>Co-requisite At least Mathematics for Business B, however Mathematics for Science B is recommended.</p>
<p>Economics</p>	<p>Economics A (Micro) Gain insight into the operation and regulation of the modern market based economy, including the main market models, government regulation polices, and the need for government intervention into the free market.</p> <p>Topics include</p> <ul style="list-style-type: none"> • The Economic Problem • Demand & Supply • Elasticity – Government Intervention – Theory of the Firm • Returns to Scale • Markets. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Economics B (Macro) Discover the operation of the economy and the sectors and institutions within it. Understand why economic activity contracts and expands, and how policies support the achievement of goals and targets.</p>

	<p>Topics include</p> <ul style="list-style-type: none"> • Circular flow of Income • Income & Expenditure Analysis • Economic Issues – Economic Policy • International Trade. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination
<p>Foundations of Social Science</p>	<p>Foundation of Social Science A An introduction to personal development, social change and research skills; which are key to the undergraduate study of Psychology and Sociology.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Introduction to development theories used in the future study of Psychology and Sociology • The “nature-nurture debate” • Socialisation agents in the development of a personal identity • Social theory to explain change in society. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Foundation of Social Science B Conducts the Personal Interest Project whereby students research a contemporary social issue using research methods and sampling techniques. The focus is on compiling data and strong report writing skills.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Revision of essential research methodologies • Social Inclusion and Exclusion: the effects of discrimination • Religion and belief: explores different belief systems and the importance of tolerance. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite Foundations of Social Science A.</p>
<p>Foundations of Visual Arts and Design</p>	<p>Foundations of Visual Arts and Design – Core A The course is an introduction to a wide variety of media and art techniques for students who wish to study Visual Arts and Design at University. It develops practical, creative, problem solving, and critical thinking skills. Approximately 70% of class time is devoted to practical art making.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Drawing • Printmaking – Digital art and design • History and Critical Theory of Art and Design. <p>Assessment</p> <ul style="list-style-type: none"> • Art making • Theory and art history <p>Co-requisite</p>

	<p>Foundations of Visual Arts and Design Elective A.</p> <p>Foundations of Visual Arts and Design – Elective A</p> <p>This elective course allows students to develop their practical art making skills, plus their independent research and problem solving abilities.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Drawing • History and Critical Theory of Art and Design • Painting – Digital art and design • The Human Condition, investigated through drawing and mixed media • The World from my Window, investigated through painting and mixed media. <p>Assessment</p> <ul style="list-style-type: none"> • Art making • Examination <p>Foundations of Visual Arts and Design – Core B</p> <p>This course extends the skills students have learned in Core A. Students develop a body of work in their preferred form (Visual Arts or Design) based on the research of artists, designers, concepts, techniques and media.</p> <p>Topics include</p> <ul style="list-style-type: none"> • History and Critical Theory of Art and Design • Digital art and design • Developing a body of work • Developing a portfolio of art work. <p>Assessment</p> <ul style="list-style-type: none"> • Art making <p>Prerequisite</p> <p>Foundations of Visual Arts and Design – Elective A and Foundations of Visual Arts & Design – Core A.</p> <p>Co-requisite</p> <p>Foundations of Visual Arts and Design – Elective B</p> <p>Extends the skills developed in Elective A, plus the techniques, critical language and understanding of art works gained throughout the course. Students produce a body of work in their preferred form.</p> <p>Topics included</p> <ul style="list-style-type: none"> • Design – Computer Generated Imagery • History and Critical Theory of Art and Design • Developing a body of work • Developing a portfolio of art work. <p>Assessment</p> <ul style="list-style-type: none"> • Art making • Art history and art critique <p>Prerequisite</p> <p>Foundations of Visual Arts and Design – Elective A.</p> <p><i>Note: The final body of work and the portfolio is assessed by Taylors College and the Sydney College of Arts (Sydney University).</i></p>
<p>Government and Law</p>	<p>Government and Law A</p> <p>This module gives students an understanding of the influences of the British parliamentary system on the development of Australian law and the system of government as it now exists. It also gives an introduction to the criminal justice system operating in Australia.</p>

	<p>Topics include</p> <ul style="list-style-type: none"> • Basic Legal Concepts: Customs, rules, laws • Sources of Contemporary Australian Law • An exploration of the parties and processes in the Australian criminal justice system. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Government and Law B</p> <p>This module introduces students to current issues related to the protection and enforcement of human rights and the effectiveness of legal and non-legal measures in promoting peace and resolving conflict between states.</p> <p>Topics include</p> <ul style="list-style-type: none"> • The nature and development of human rights • Promoting and enforcing human rights • Examples of contemporary human rights issues • The nature of world order • Themes and challenges for world order and responses to world order. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite</p> <p>Government and Law A.</p>
<p>Information Technology</p>	<p>Information Technology A (Software for Business)</p> <p>This 'hands on' course complements the theory learned in the Accounting / Business course by providing the technical skills needed to customise programs, and use software to set up an internet based company.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Marketing through multimedia techniques • Business modelling by creating customised database applications • Financial analysis using spreadsheet templates • Ecommerce using web development tools. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Information Technology B (Software for Programmers)</p> <p>This subject will appeal to creative students wishing to develop their own software and video games. Students will learn screen design and how to write an actual program 'code' using common programming languages. Students will learn game design and development and how to build 3D characters and virtual worlds.</p> <p>Topics included</p> <ul style="list-style-type: none"> • Development approaches – Analysis and design • Code and testing • Develop a complete software package, e.g. a game. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination

<p>International Studies</p>	<p>International Studies A (Global Relations) An introduction to modern international and global politics. Explore the factors that shape politics, learn research and analysis skills, and present orally in student seminars.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Origins of the sovereign state • Evolution of the system of states to 1900: war, trade and imperialism • World Wars I and II • Cold War to Decolonisation • Post-Cold War and contemporary era. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>International Studies B (Global Economics) Preparation for the undergraduate study of a wide range of international economics, business and politics studies. The focus is on practical problem solving through real case studies from the modern world of business.</p> <p>Topics included</p> <ul style="list-style-type: none"> • Globalisation – Economic Development • International Trade – Foreign Exchange – Global Financial Markets. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination
<p>Mathematics</p>	<p>Mathematics for Business A This course is intended to give students an understanding of, and competence in, aspects of Mathematics that are applicable to the real world. It provides students with the background and skills necessary for University study requiring some mathematics. Mathematics for Business A may be studied as a minor.</p> <p>Topics included</p> <ul style="list-style-type: none"> • Basic Arithmetic and Algebra • Functions and Quadratic Functions • Calculus – Trigonometry – Statistics. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite Year 11 Mathematics or equivalent.</p> <p>Mathematics for Business B This subject extends the mathematical studies of Mathematics for Humanities A with particular emphasis on applications to problems in Economics and Finance.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Further Trigonometry – Logarithmic and Exponential Functions • Sequences and Series • Financial Mathematics – Applications of Calculus to Economics • Statistics – Probability. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite</p>

Mathematics for Humanities A or Mathematics for Science A.

Mathematics for Science A

This course is intended to give students an understanding of and competence in, aspects of Mathematics that are applicable to the real world. It provides students with the background and skills necessary for university study requiring a significant level of mathematics.

Mathematics for Science A may be studied as a minor.

Topics include

- Basic Arithmetic and Algebra
- Functions and Quadratic Functions
- Polynomials – Calculus – Trigonometry – Statistics.

Assessment

- Coursework
- Examination

Prerequisite

Year 11 Mathematics or equivalent.

Mathematics for Science B

This course extends the mathematical studies of Mathematics for Science A with particular emphasis on applications to physical problems.

Topics include

- Further Trigonometry – Logarithmic and Exponential Functions
- Sequences and Series
- Further Calculus
- Applications of Calculus to the Physical World
- Counting Techniques, Probability and Statistics.

Assessment

- Coursework
- Examination

Prerequisite

Mathematics for Science A.

Further Mathematics B

This subject extends topics from the core Mathematics for Science course. The material is treated in considerable depth. Advanced Mathematics B may be studied as a minor, subject to prerequisites below.

Topics included

- Advanced Trigonometry
- Further Integration
- Advanced Applications of Calculus
- Volumes – Further Induction
- Binomial Theorem and Probability.

Assessment

- Coursework
- Examination

Prerequisite

Advanced Mathematics A or high achievement in Mathematics for Science A or Mathematics for Humanities A. Students must be concurrently studying the Mathematics for Science B course.

<p>Media studies and Communication</p>	<p>Media Studies and Communication A</p> <p>This subject is for students who wish to enter the world of public relations and the mass media, journalism, TV, radio, film and digital media. It examines the meaning of language, media and communication, and takes a historical view of the media in Australia, compares newspapers and magazines and the power of media ownership. Digital media is another important part of this course.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Language and communication, text and context, different types of texts for different purposes (genre), history and comparison of newspapers and magazines, media ownership and digital media. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Media Studies and Communication B</p> <p>Here we focus on the ethical issues facing journalists, then we learn to identify and analyse the most common types of stories in newspapers like hard news and soft news, as well as learn how to analyse and read images in the media.</p> <p>Topics include</p> <ul style="list-style-type: none"> • A case study on ethics and privacy issues. Hard news and soft news stories, visual images in the news media. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite</p> <p>Media Studies and Communication A.</p>
<p>Music</p>	<p>Music – Core Performance A</p> <p>This module aims to prepare students who want to take music for a tertiary subject or degree at a university.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Develop music performance skills • Attending concerts • Performing in concert (solo, duo, ensemble) • Widening musical repertoire • Meeting professional musicians. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite</p> <p>An equivalent to ABRSM or AMEB Grade 6 practical for instruments.</p> <p>Audition:</p> <p>In person or USB stick or via a web link or DVD.</p> <p>Note:</p> <p>Students have the options to choose either the Con pathway or the Taylors Pathway in this module. The students who select Con pathway will need to follow the university calendar and start their individual tuitions on a later date (about 2 weeks) than the Taylors pathway. An additional fee for individual tuition is payable for this subject.</p> <p>Music – Core Theory A</p>

This module aims to prepare students who want to take Music for a tertiary subject or degree at a university. It enables students to increase their aural awareness and musicianship skills.

Topics include

- Music history
- Music harmony
- Music appreciation
- Score reading.

Assessment

- Coursework
- Examination

Prerequisite

An equivalent to ABRSM or AMEB Grade 5 theory or a further placement theory test

Music – Elective A

This module aims to develop a fundamental understanding of Music. Students will gain the opportunity to perform in concert (solo, duo and ensemble), attend concerts, meet professional musicians and widen their music repertoire.

Topics include

- Solo and Ensemble Performance
- Music Theory (including Music History & Music Aural)
- Individual Class (one-on-one lessons are provided to each student for an additional fee).

Assessment

- Coursework
- Examination

Prerequisite

This module assumes students have some knowledge of musical notation. An audition and interview are required. An additional fee for individual tuition is payable for this subject.

Music – Core Performance B

Develop music performance skill

Topics include

- Attending concerts
- Performing in concert (solo, duo, ensemble)
- Widening musical repertoire
- Meeting professional musicians.

Assessment

- Coursework
- Examination

Prerequisite

Music Core Performance A. An additional fee for individual tuition is payable for this subject.

Music – Core Theory B

Music History

Topics include

- Music harmony
- Music appreciation
- Score reading.

Assessment

- Coursework

	<ul style="list-style-type: none"> • Examination <p>Prerequisite Music Core Theory A.</p> <p>Music – Elective B Solo and ensemble performance</p> <p>Topics include</p> <ul style="list-style-type: none"> • Music theory (including music history and music aural) • Individual class (one-on-one lessons are provided to each student for an additional fee). <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite Pass Music Elective A or special audition and theory test. An additional fee for individual tuition is payable for this subject.</p> <p>New Curriculum July 2024. From July 2024 the Taylors College Sydney will be implementing a new Curriculum for Standard, Intensive and Extended Foundation programs.</p> <p>The Curriculum will consist of modules which will enhance student skills across multiple disciplines and align with the University of Sydney graduate attributes. As part of the new curriculum, all students will study the core units of Academic English and Social Research and Inquiry. They will then study 3 further modules from the 11 study modules listed below. These include. Mathematics – Business Mathematics – Science Accounting and Financial Management Economics and Development Applied Computing Art and Design Biology Chemistry Physics Cultural Studies International and Global Studies</p> <p>* Music will no longer be offered from July 2024</p> <p>**Students commencing in January Standard and January Extended and April Intensive will not be impacted by the new Curriculum.</p> <p>***Current student choice of undergraduate degrees will not be impacted.</p>
<p>Physics</p>	<p>Physics A</p> <p>Mechanics, Electricity</p> <p>This module will offer learning experiences that help students develop an understanding of physicists' work. Students will be introduced to the knowledge and applications which results from the work of physicists.</p> <p>Experiments form a major component of the course and are designed to develop practical skills and introduce students to new technology.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Equations of motion • Forces and Newton's Laws • Energy, momentum and work • Electrostatics and electrodynamics. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite Year 11 Physics or equivalent.</p> <p>Co-requisite At least Mathematics for Business, but Mathematics for Science is strongly recommended.</p>

	<p>Physics B</p> <p>Waves and Light, Astronomy</p> <p>Develop practical, research and critical thinking skills. Subjects include Astronomy (the study of the Universe) and the real-life applications of waves. Experiments and computer data analysis form a major part of this course.</p> <p>Topics include</p> <ul style="list-style-type: none"> • Waves and Light • Astrophysics. <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination <p>Prerequisite</p> <p>Year 11 Physics or equivalent.</p> <p>Co-requisite</p> <p>At least Mathematics for Business, but Mathematics for Science is strongly recommended.</p>
<p>USFP Extended program Extended English</p>	<p>Extended English</p> <p>Extended English focuses on reading, writing, speaking and listening. Skills are linked to a thematic topic.</p> <p>Assessment</p> <ul style="list-style-type: none"> • Coursework • Examination