

2010



Sydney Centre for Innovation in Learning

ONLINE COURSES

Information Guide



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Stage 5	Stage 6	
	Preliminary	HSC
IST	Software Design & Development	Software Design & Development
	Business Studies Economics History - Ancient Geography Legal Studies Studies of Religion 1 Unit Studies of Religion 2 Unit	Business Studies Economics Extension History History - Ancient Geography Legal Studies Studies of Religion 1 Unit Studies of Religion 2 Unit
French	French Beginners French Continuers	French Beginners French Continuers
	Biology Chemistry Earth and Environmental Science Physics	Biology Chemistry Earth and Environmental Science
	English Extension I	English Extension I

★ **IMPORTANT NOTE** ★

An advertised online course **may not run** if there is only a small number of student applications for enrolment in that course. SCIL/NBCS reserves the right to cancel a course if student numbers are too low. Where possible students will be advised of this in a timely manner, but sometimes these decisions will, out of necessity, need to be made at late notice.

Malpractice is any attempt to:

- gain an unfair advantage over other students, or
- deceive the markers (teachers) as to the origins of submitted work

The most common form of malpractice is plagiarism.

‘Plagiarism is when you pretend that you have written or created a piece of work that someone else originated. It is cheating, it is dishonest, and it could jeopardize your HSC exam results.’

(Board of Studies, HSC Assessments and Submitted Works, Advice to Students 2006)

Plagiarism is often described as intellectual theft.

Ways students can avoid malpractice include:

- Use quotation marks around direct quotations taken from someone else’s work. Quotations need to be referenced. Teachers should direct students on the expected format for referencing a quotation.
- When students use another’s work, or even their ideas, in an assignment or project they must include a bibliography that details all the sources used. Teachers should direct students on the expected format for bibliographies.
- Students must acknowledge in the bibliography any sources that were used for background information.
- Oral tasks require the submission of a script or notes. These should include acknowledgement of the use of others’ work. Acknowledgement is often appropriate within the speech as well.
- It is acceptable for a student to have someone edit their work. This should be limited to suggestions on how to improve it, but not involve completing work on the student’s behalf.
- Students should never copy parts out of books, newspapers, encyclopedias, internet sites or another student’s work.
- Students should never submit another’s work including that of another student, a parent, a sibling or a tutor.
- Students should never allow another student to copy their work. Both students in this instance would be guilty of malpractice.
- Logbooks and diaries should include reference to artistic influences in the Creative and Performing Arts, and Design Courses.
- Collaboration with peers is an effective learning tool. In general, this is encouraged for homework. If students wish to collaborate on assessment tasks, they must inform their teacher who can advise on specific allowable conduct. This allowable conduct could vary greatly between tasks depending on the nature of the task, and the subject area.

Possible Consequences

The penalty for malpractice will normally be determined by the Assistant Principal – Online Learning. It could be:

- A zero grade
- A reduction of marks
- A need for re-submission
- Repeat offenders are reported to the NSW Board of Studies in Years 10, 11 and 12. The Board of Studies may cancel a student’s enrolment in the accredited program eg School Certificate, Preliminary, HSC.

Regardless of the penalty parents will be informed of malpractice in assessment tasks.

Note: Information Contained in this Course Information Guide is subject to change

Online Biology Course ATAR 2 Unit Course Board Developed Course 15030

Exclusion: Senior Science (Preliminary only)

Please note: students entering Preliminary level Biology in 2010 may only select to study one online SCIL Science course.

Course Summary

Biology is the study of living organisms, life processes & interactions between organisms and their environment.

The Preliminary Course incorporates the study of the mechanisms and systems that living things use to obtain, transport and use for their own growth and repair; biotic and abiotic features of the environment and the interdependence of organisms in an ecosystem; the evolution of life on Earth; and the effects of global changes on the diversity of Australian biota during the formation of the Australian continent.

The HSC Course builds upon the Preliminary Course. It examines the processes and structures that plants and animals use to maintain a constant internal environment and the way in which the inheritance of characteristics are transmitted from generation to generation. The options cover a wide variety of interest topics and draw on the development in technology to examine areas of current research.

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students may therefore require interactive software. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other days will be arranged by negotiation with students if the need arises.

Course Outline

Preliminary Course

Biology Skills Module 8.1

- A Local Ecosystem
- Patterns in Nature
- Life on Earth
- Evolution of Australian Biota

Note: Information Contained in this Course Information Guide is subject to change

HSC Course

Biology Skills Module 9.1

Core Topics

- Maintaining a Balance
- Blueprint of Life
- The Search for Better Health

And One Option from the following:

- Communication
- Biotechnology
- Genetics: The Code Broken?
- The Human Story
- Biochemistry

The Preliminary Course includes a **field study** (approximate extra cost \$160) related to local terrestrial and aquatic environments. Practical experiences should occupy a minimum of 80 indicative hours across Preliminary and HSC Course time with no less than 35 hours in the HSC Course.

What next?

Biology provides very useful skills and knowledge for a range of careers including biological science medical science, health, environmental science, food science, biotechnology and pharmacy.

Online Business Studies Course ATAR 2 Unit Course Board Developed Course 15040

Course Summary:

Business features in everyone's life. As consumers and producers and as employees, employers or self-employed, people throughout the world engage in a web of business activities to design, produce, market, deliver and support a range of goods and services.

The Business Studies course ranges from the planning of a small business to the broader roles of management, finance, employment relations, marketing and the impact of the global business environment. It lays an excellent foundation for students either in further tertiary study or in future employment.

Business Studies is a course relevant to a broad range of students. It fosters intellectual, social and moral development by assisting students to think critically about the role of business and business institutions and their ethical responsibilities to society.

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other days will be arranged by negotiation with students if the need arises.

Course Outline

Preliminary Course

- Nature of Business (25%) – the nature and role of business
- Key Business Functions (30%) – analysis of nature and role of key business functions
- Establishing a Business (25%) – issues and steps in establishing and maintaining a business
- Developing a Business Plan(20%) – the role of planning for success in business

In the Preliminary Course there is a research project investigating the operation of a small business or planning the establishment of a small business.

HSC Course

- Business Management and Change (20%)—the nature and responsibilities of management
- Financial Planning and Management (20%) – financial management for success in business
- Marketing (20%) – the nature and role of marketing for business
- Employment Relations (20%) – the nature of effective employment relations in business
- Global Business (20%) – the implications of globalization in business

What next?

Students completing this course will develop general and specific skills including research, analysis, problem-solving, decision making, critical thinking and communication. These skills enhance students' confidence and ability, not only as members of the business world, but as informed citizens dealing with business issues that impact on their lives.

The course is particularly useful for anyone who may run a business, whether it is as a sole tradesperson or a CEO of a major corporation.

Online Chemistry Course ATAR 2 Unit Course Board Developed Course Number I5050

Exclusion: Senior Science (Preliminary only)

Please note: students entering Preliminary level Chemistry in 2010 may only select to study one online SCIL Science course.

Course Summary

Chemistry is the study of the physical and chemical properties of matter, with a focus on substances and their interactions. Chemistry attempts to provide chemical explanations and to predict events at the atomic and molecular level.

The Preliminary Course develops student knowledge of atomic structure, chemical changes, rates of reaction and relationships between substances by focusing on increasing students' understanding of the Earth's resources, the development of increasingly sophisticated methods to extract and use metals, the importance of water on Earth and high energy carbon compounds.

The HSC Course builds on the concepts developed in the Preliminary Course expanding on areas such as the search for new sources of traditional materials, the design and production of new materials, the management and monitoring of chemicals that have been developed and/or released as a result of human technological activity and the way in which environmental problems could be reversed or minimised. The options cover a wide variety of interest areas and draw on the increased information and understandings provided by improved technology to examine areas of current research.

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students may therefore require interactive software. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

Practical experiences should occupy a minimum of 80 indicative hours across Preliminary and HSC course time, with no less than 35 hours in the HSC course. Practical experiences must include at least one open-ended investigation in both the Preliminary and the HSC Courses.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

As well as the above dates there will be one extra workshop day each term to allow completion of the mandatory pracs for both the Preliminary and HSC Chemistry courses. These dates will be approximately mid-term and determined in consultation with students.

Course Outline

Preliminary Course

- Chemistry Skills Module 8.1
- The Chemical Earth
- Metals
- Water
- Energy

HSC Course

- Chemistry Skills Module 9.1

Core Modules

- The Production of Materials
- The Acidic Environment
- Chemical Monitoring and Management

And One Option from the following:

- Industrial Chemistry
- Shipwrecks Corrosion and Conservation
- The Biochemistry of Movement
- The Chemistry of Art
- Forensic Chemistry

What next?

This course is highly recommended preparation for many science-based tertiary courses. It is especially appropriate for students interested in chemistry, biochemistry, environmental sciences, medicine, health sciences, food science, metallurgy and chemical engineering.

Online Earth & Environmental Science Course ATAR 2 Unit Course Board Developed Course 15100

Exclusion: Senior Science (only Preliminary)

Please note: students entering Preliminary level Earth and Environmental Science in 2010 may only select to study one online SCIL Science course.

Course Summary

Earth and Environmental Science is the study of the planet Earth, its processes and its environment.

The Preliminary Course develops knowledge of the physical and chemical features of the environment, the available resources and human impact on Australian environments and the interplay between the internal and external forces that constantly shape the Earth. It increases students' understanding of these concepts by focusing on the unique nature of the Australian continent, its geology and environments and, in particular, the local environment and the effect of human impact on it.

The HSC Course builds upon the Preliminary Course. It examines the geological, physical and chemical evidence related to the evolution of Australia over time, current pressures and the effects on the Australian environment, and the indicators of environmental ill-health. The options cover a wide variety of interest areas and draw on increased information and understanding, provided by improved technology, to examine areas of current research.

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students may therefore require interactive software. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other workshop days will be arranged by negotiation with students if the need arises. Students should also anticipate a **Field Trip**, details of which will be notified as soon as they are available.

Course Outline

Preliminary Course

- Earth and Environmental Skills Module 8.1
- Planet Earth and Environment – a five thousand million year journey
- The Local Environment
- Water Issues
- Dynamic Earth

Note: Information Contained in this Course Information Guide is subject to change

HSC Course

Earth and Environmental Skills Module 9.1

Core Topics

- Tectonic Impacts
- Environments through Time
- Caring for the Country

And One Option from the following:

- Organic Geology – a Non-Renewable Resource
- Mining and the Australian Environment
- Introduced Species and the Australian Environment
- Oceanography

The Preliminary Course includes a **field study** (approximate extra cost \$160) related to local terrestrial and aquatic environments. Practical experiences should occupy a minimum of 80 indicative hours across Preliminary and HSC course time with no less than 35 hours in the HSC course.

What next?

This subject is important preparation for students interested in pursuing further studies in Geology, Engineering, Metallurgy and Environmental Management & Monitoring. It is most useful for university study if taken in combination with another Science subject such as Physics or Chemistry.

Online Economics Course ATAR 2 Units Course Board Developed Course 15110

Course summary

Economics investigates issues such as why unemployment or inflation rates change and how these changes will impact on individuals in society. Economics develops students' knowledge and understanding of the operation of the global and Australian economy through economic modeling. It develops the analytical, problem-solving and communication skills of students. There is a strong emphasis on the problems and issues in a contemporary Australian economic context within the course.

The teaching of the online web based course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students will communicate with teachers regularly via e-mail, discussion forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Course Outline

Preliminary Course

- Introduction to Economics
- Consumers and Business
- Markets
- Labour Markets
- Financial Markets
- Government in the Economy

HSC Course

- The Global Economy
- Australia's Place in the Global Economy
- Economic Issues
- Economic Policies and Management

What next?

Economics is recommended study for anyone contemplating a career in accountancy, business, industrial relations, management, advertising, marketing, real estate or administration.

Note: Information Contained in this Course Information Guide is subject to change

Online English (Extension I) Course ATAR I Unit Course Board Developed Course I5I60

Prerequisites:

- English (Advanced) Course
- Preliminary English Extension Course I is prerequisite for HSC Extension Course I
- HSC Extension Course I is co-requisite for HSC Extension Course 2

Exclusions: English (Standard); Fundamentals of English; English (ESL).

Course Summary

- **Preliminary English (Extension) Course**

Students explore how and why texts are valued in and appropriated into a range of contexts. They consider why some texts may be perceived as culturally significant. The course has one mandatory section: Module: Texts, Culture and Value

- **HSC English (Extension I) Course,**

Students explore ideas of value and consider how cultural values and systems of valuation arise. The course has one section. Students must complete one elective chosen from one of the three modules offered for study: Module A: Genre; Module B: Texts and Ways of Thinking; Module C: Language and Values.

Students electing to do the HSC English (Extension 2) Course, through their home schools will move on to develop a sustained composition and document their reflection on this process. The HSC English Extension 2 Course requires students to complete a Major Work and a statement of reflection.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

What next?

As the course is analytical in nature, students will develop skills that are very relevant to all forms of tertiary study. Students wishing to specialise in English, or other humanities subjects, at tertiary level will be well prepared by the Extension English courses

Online French Course – Stage 5 Board Developed Course

Prerequisites

There are no prerequisites. However, for the speaking lesson students will be streamed into two groups:

- Group #1 for students with roughly one year of previous study of French.
- Group #2 for students with roughly two years of previous study of French.

Students who have more or less experience than these will find the conversation classes too difficult or too easy. Such students will find it a particular challenge to improve their speaking skills.

Course Summary

In the Stage 5 Course, students move quickly from basic topics like greetings, numbers, descriptions, telling the time and describing daily routines, to a general confidence in speaking in the present, past, and future tenses about events, intentions and opinions. Topics relate mainly to the student's own life, routine and world. During the live online sessions there is an emphasis on speaking and listening, with written work set for study at home.

Online Course Delivery

Students are given access to a comprehensive range of rich resources via the Internet. These include sound and print files for revision, and downloadable 'virtual teacher' videos with explanations of key vocabulary and grammatical structures.

Students will have regular contact with the French teacher using a number of methods, including e-mail, live text chat, and live audio chat. The live audio lessons may occur in groups of up to 10 or 12 students.

For the live audio conferences students will need to be available at a set time in the week, as they would if they were completing an evening course. The exact time will be published early in 2010. The duration of the lesson will be one hour. Students must make themselves available at this time to satisfactorily complete the course.

There is no requirement for the students to physically travel to the school grounds.

Students will work their way through a series of online units, and there is flexibility for them to learn at their own pace, providing they meet a minimum rate of progress. The online conferences with the teacher will be directed at a standard rate of progress, so if students work ahead or are behind, they will need to prepare especially carefully to make the most out of their interactions with the teacher.

Students will be able to submit work, including sound files of their own voices, and written work online for both marking and feedback from the teacher and from their peers.

Technical Requirements

1. A broadband Internet connection with a sufficiently high download limit per month to cope with regular videoconferencing and the downloading of music and graphics files.
2. Speakers and a microphone, or a headset.
3. A 'healthy' computer. Even a powerful computer can become 'unhealthy' when overloaded with programs, or over time can develop conflicts and errors. To participate effectively in the course the student needs a healthy computer. If your computer is getting pretty old, has been slowing down recently, is slow to boot up, or has a history of errors, then you'll need to address this before the course starts. Reloading Windows onto the computer, updating the hardware, or buying a new computer are all options. If you have no 'computer geek' in your household to sort these things out, have a friend or an IT consultant come over to have a look at things. The online French courses rely on having functioning technology!

Your computer ought to be in a room where you will not be disturbed and where there will not be background noise during the audio or video conferencing.

Students may need to download and install free programs in order to engage in audio conferencing or videoconferencing.

What next?

Students who have studied more than 1 year of French by the end of Year 10, and wish to continue with French, are eligible for the French Continuers course in Year 11. Students with up to 1 year of French study by the end of Year 10 are eligible for the French Beginners course.

Online French (Beginners) Course
Online French (Continuers) Course
ATAR 2 Unit Courses
Board Developed Courses I5670 and I5680

Exclusions: Eligibility rules apply to the study of this subject. Check with your teacher or the Board of Studies ACE Manual.

Course Summary

Beginners

The Beginners Course is designed for students who have no previous knowledge of French. Students who have more than one year's experience in French must take the Continuers Course.

In the Preliminary Course, students move from basic topics like greetings, numbers, descriptions, telling the time and describing daily routines, to a general confidence in speaking in the present tense about intentions, desires, likes and dislikes.

In the HSC Course, students learn to talk about the past and future, while widening their vocabulary and grasp of French grammar.

Continuers

This course is for students who have already studied French for more than one year.

As with the Beginners Course, the Continuers Course involves the study of French around themes closely related to the student's own world, but in more depth, detail and sophistication. Students also work with some advanced themes such as the state of the environment, and the world of work. The Continuers Course is a challenging one, and students need to be wholeheartedly committed to succeed.

A trip to France or a French-speaking country over the summer holidays is not mandatory, but is highly recommended.

Online Course Delivery

Students are given access to a comprehensive range of rich resources from the SCIL portal. These include sound and print files for revision, and downloadable 'virtual teacher' videos with explanations of key vocabulary and grammatical structures.

Online students must be available for a weekly interactive audio lesson held over the internet. In 2010 these times will be:

French Beginners: Monday 6pm-7pm (Australian Eastern Time)
French Continuers: Tuesday 5pm-6pm (Australian Eastern Time)

These times are non-negotiable. Students must participate to successfully complete the course.

Students will be able to submit work, including sound files of their own voices, and written work online for both marking and feedback from the Teacher and from their peers.

Technical Requirements

1. A broadband Internet connection with a sufficiently high download limit per month to cope with regular audio-conferencing and the downloading of music and graphics files.
2. Speakers and a microphone, or a headset.

Note: Information Contained in this Course Information Guide is subject to change

3. A 'healthy' computer. Even a powerful computer can become 'unhealthy' when overloaded with programs, or over time can develop conflicts and errors. To participate effectively in the course the student needs a healthy computer. If your computer is getting pretty old, has been slowing down recently, is slow to boot up, or has a history of errors, then you'll need to address this before the course starts. Reloading Windows onto the computer, updating the hardware, or buying a new computer are all options. If you have no 'computer geek' in your household to sort these things out, have a friend or an IT consultant come over to have a look at things. The online French courses rely on having functioning technology!

Your computer ought to be in a room where you will not be disturbed and where there will not be background noise during the audio or video conferencing.

Students may need to download and install free programs in order to engage in audio conferencing or videoconferencing.

What next?

Opportunities exist in the fields of travel and tourism, hospitality, business and finance, telecommunications and other service industries in France and with French-owned companies in Australia.

Online Geography Course ATAR 2 Unit Course Board Developed Course 15190

Course Summary

Geography is an investigation of the world, which provides an accurate description and interpretation of the varied character of the earth and its people. The study of Geography allows students to perceive the world in a variety of ways and helps them make sense of a complex and changing world.

The Preliminary Course is structured for students to investigate:

- Biophysical processes and how an understanding of these processes contributes to sustainable management
- The social, cultural, political, economic and environmental challenges which are occurring at the global scale
- The nature of geographical inquiry and its application to a practical research project

The HSC Course is structure for students to investigate:

- The functioning of ecosystems at risk, their management and protection
- World cities, mega cities and the urban dynamics of large cities and urban localities
- An economic activity integrating the local and global context

Course Outline

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

Preliminary Course

Part I: Biophysical Interactions (45%)

- (a) The biophysical environment
- (b) Biophysical processes and issues

Part II: Global Challenges (45%)

- (a) Population Geography
- (b) Optional studies – two of the following: cultural integration, political geography, development geography, and, natural resource use

Part III: Senior Geography Project (SGP) (10%)

The focus of this study is the nature of geographical inquiry and its application to a practical research project. Students select and research a geographical issue, which relates to the Preliminary course using active inquiry methodologies

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. The Board of Studies requires that **a minimum of 12 hours fieldwork** be completed in each of the Preliminary and the HSC courses. Attendance at workshop days and fieldtrips is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October
-

Field trips and other workshop days will be arranged at appropriate times.

HSC Course

Part I: Ecosystems at Risk (33%)

- (a) Ecosystems and their management
- (b) Case studies of two ecosystems at risk, highlighting their unique characteristics

Part II: Urban Places (33%)

- (a) World Cities
- (b) Mega Cities
- (c) Urban Dynamics

Part III: People and Economic Activity (33%)

- (a) Global Economic Activity
- (b) Local case study - a geographical study of an economic enterprise operating at a local scale, such as, an individual enterprise, firm or company. Case studies could include a family farm, a mine or mining corporation, a hotel, chain of hotels, heritage or tourist site.

Students must have good research skills and an independent approach to learning to be successful.

What next?

Geography prepares students for post-school studies and future employment, and for active participation as informed citizens. Geography provides skills and knowledge useful for a range of courses studied at university, as well as in the professional and commercial world. It is especially applicable to environmental management, teaching, town planning, international relations, demography, and natural resource management.

Online Ancient History Course ATAR 2 Unit Course Board Developed Course 15020

Course Summary

*'History with its flickering lamp stumbles along the trail of the past,
trying to reconstruct its scenes, to revive its echoes,
and kindle with pale gleams the passion of former days'* (Winston Churchill).

Ancient History involves the study of at least two of the following areas: Egypt, Near East, Greece and Rome in both the Preliminary and HSC courses.

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The Preliminary Course is structured for students to investigate:

- People, groups, events, institutions, societies and historical sites from the ancient world
- Archaeological and written evidence and the methods used by historians and archaeologists.

In the HSC Course, students use archaeological and written evidence to investigate a personality from the ancient world plus three ancient societies/historical periods.

Course Outline

Preliminary Course

Part I: Introduction

- Investigating the Past: History, Archaeology and Science
- Case Studies

Part II: Studies of Ancient Societies, Sites and Sources.

- At least one study of ancient societies, sites and sources.

Part III: Historical Investigation and Sources

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

HSC Course

Part I: Core: Cities of Vesuvius – Pompeii and Herculaneum

Part II: One Ancient Society – Persian Society at the time of Darius and Xerxes

Part III: One Personality in their time - Xerxes

Part IV: One Historical Period – the Greek World 500-440BC

A Preliminary course in Modern or Ancient History is a prerequisite for the HSC History Extension course.

Students must be studying concurrently, or have completed, the HSC course in Ancient History and/or Modern History.

Students must have good research skills and an independent approach to learning to be successful. SHC history courses require high literacy skills from students, with considerable external reading and substantive writing a prerequisite for success.

What next?

Skills developed from a study of Modern History and/or Ancient History are useful in a range of courses studied at university and TAFE as well as in the professional and commercial world. They are especially applicable to law, teaching, medicine, communications, social work and journalism.

‘Taken from the altars of the past the fire – not the ashes’ (Jean Jaurès).

Online History (Extension) Course ATAR I Unit Course at HSC level only Board Developed Course 15280

Prerequisites

A Preliminary Course in Modern or Ancient History is a prerequisite for the HSC History Extension Course.

Students must be studying concurrently, or have completed, the HSC Course in Ancient History and/or Modern History.

Course Summary

The I Unit History Extension Course involves the study and evaluation of the ideas and processes used by historians to produce history.

In **Part I** of the course, students investigate the question ‘What is history?’ through readings compiled in a source book and through one case study – the Historiography of JFK. Part I constitutes 60% of the course time.

In **Part II**, students design, undertake and communicate their own personal historical inquiry. This investigation includes a Proposal, Essay, Bibliography and Process Log. Part II constitutes 40% of the course time.

The teaching of the online course will be supplemented by the use of video and audio files, interactive exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

An initial orientation workshop will run for this course on **Monday 19th October 2009**. Other days will be arranged by negotiation with students if the need arises.

What next?

Skills developed from a study of Modern History and/or Ancient History are useful in a range of courses studied at university and TAFE as well as in the professional and commercial world. They are especially applicable to law, teaching, medicine, 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, high learning and the broader community.

Online Information and Software Technology Courses Stage 5 (200-hour) Course Northern Beaches Christian School Developed Courses

General information

Information and Software Technology (IST) seeks to develop lifelong learners who are proficient and responsible users of information and software technology. Courses focus on project work where students design, analyse, develop, implement, test, document and evaluate technology-based solutions.

As information technologies continue to evolve and permeate all aspects of life, Information and Software Technology seeks to develop technical skills to accommodate these emerging changes. This subject combines theoretical concepts with practical activities integrating the use of application programs and hardware devices.

Students will be equipped to make appropriate use of, and informed choices about information and software technology, both at a personal level and within the workplace.

IST students complete projects from a range of areas that can include:

- Digital Media
- Authoring and Multimedia
- Internet and Website Development
- Software Development and Programming
- Database Design and
- Networking Systems
- Robotics
- Artificial intelligence

The teaching of the online course will be supplemented by the use of video and audio files, interactive exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

Online Legal Studies Course ATAR 2 Unit Course Board Developed Course 15220

Course Summary

The study of Legal Studies develops students' knowledge and understanding of the nature and functions of law and law-making, the development of Australian and international legal systems, the Australian constitution and law reform.

The teaching of the online course will be supplemented by the use of Internet material, interactive quizzes, cloze exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other days will be arranged with students if the need arises.

Course Outline

Preliminary Course -

- Part I - The Legal System (40% of course time)
- Part II - The Individual and the Law (30% of course time)
- Part III - The Law in Practice (30% of course time)

HSC Course -

- Law and Society – law, justice, human rights (25% of course time)
- Focus Study – Crime (25% of course time)
- Additional Focus Studies- – (50% of course time)

Students will study two focus studies chosen from:

- Consumers
- Family
- Global Environment
- Indigenous peoples
- Shelter
- Technological change
- Workplace
- World order

What next?

The 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 and moral development by empowering students to think critically about the role of the law and legal institutions in society. It is useful preparation for further study at TAFE or university in a range of areas.

Online Physics Preliminary Course ATAR 2 Unit Course Board Developed Course No I5330

Exclusion: Senior Science (Preliminary only)

Please note: students entering Preliminary level Physics in 2010 may only select to study one online SCIL Science course.

Course Summary

Physics investigates natural phenomena and identifies patterns and applies in a wide range of interesting contexts, models, principles and laws to explain their behaviour.

The Preliminary Course develops knowledge of waves, motion, forces, fields, electricity and magnetism by focusing on increasing students' understanding of current communication technologies, the use of electricity in the home, interaction involving vehicles, such as car crashes and the mechanisms that maintain the physical conditions of planet Earth.

The HSC Course will build on the concepts of the Preliminary course by expanding on areas such as relativity, the motor effect and solid state physics, by focusing on space flight, motors and generators and the scientific advances involved in the development of semi-conductors and electronics. The options cover a variety of interest areas and draw on the increased information and understanding provided by improved technology to examine areas of current research.

The teaching of the online course will be supplemented by the use of video and audio files, interactive quizzes, cloze exercises and online assignments. Students may therefore require interactive software. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

Students will complete a minimum of 80 indicative hours of practical experiences across Preliminary and HSC course time with no less than 35 hours in the HSC course. Practical experiences must include at least one open-ended investigation in both Preliminary and HSC Courses.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other workshops and practical experience days will be arranged by negotiation with students as appropriate.

Please note there is an additional cost (approximately \$20) for the special HSC 'Kick Start' Physics Workshops for students who choose to move to the HSC level course in 2011.

Course Outline

Preliminary Course

Physics Skills Module 8.1

- The World Communicates
- Electrical Energy in the Home
- Moving About
- The Cosmic Engine

HSC Course

Physics Skills Module 9.1

Core Topics 00

- Space
- Motors & Generators
- From Ideas to Implementation

And one option from the following:

- Geophysics
- Medical Physics
- Astrophysics
- From Quanta to Quarks
- The Age of Silicon

The course requires students to have a strong background in Science and Mathematics in Year 10. It is a demanding subject requiring a solid foundation in these disciplines and a strong commitment to study.

What next?

Physics, either studied alone or in combination with another science subject, is highly recommended preparation for many science based University courses. Students interested in medicine, aviation, engineering and the defence forces should consider selecting Physics.

Online Software Design and Development Course ATAR 2 Unit Course Board Developed Course I5360

Course Summary

The Software Design and Development 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.

This course is suited to students who have an interest in programming that is already expressing itself in the amount of time they spend at the computer and their ability to solve problems through analysis and design. Students in this course must have access to a **Windows based** computer and the internet for extended periods of time outside classroom periods.

Key Outcomes of this Course

- Design, build, check and modify software solutions using industry standard tools and methods
- Effectively find, evaluate and use web based resources needed for professional development as a software engineer
- Be aware of all relevant issues affecting software engineers and systems analysts.

Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

Other days will be arranged by negotiation with students if the need arises. In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
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Course Outline

Preliminary Course -

Concepts and Issues in the Design and Development of Software

- Social and ethical issues
- Hardware and software
- Software development approaches

Introduction to Software Development

- Defining the problem and planning software solutions
- Building software solutions
- Checking software solutions
- Modifying software solutions

Developing Software Solutions

HSC Course -

Development and Impact of Software Solutions

- Social and ethical issues
- Application of software development approaches

Software Development Cycle

- Defining and understanding the problem
- Planning and design of software solutions
- Implementation of software solutions
- Testing and evaluation of software solutions
- Maintenance of software solutions

Developing a Solution Package Options - one of:

1. Evolution of programming languages
OR
2. The Software Developer's view of the hardware

Hardware and Software Requirements for Software Design and Development

You will need to have **Microsoft Visual C# 2008, Express Edition**, installed on a computer that you have *substantial* access to. (i.e. at home/school or where you intend on programming). To do this you will need to have access to a computer with **Microsoft Windows XP** with **Service Pack 2** installed on it or **MS Vista**. You will also need to have the latest version of the **.Net framework** installed.

For these and other reasons all students will be expected to have a Windows XP or higher computer available on which they can program, build applications, run new applications and submit work.

What next?

This course is an excellent introduction to further studies both at TAFE 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.

Online Studies of Religion ATAR I Unit Course Board Developed Course 15370

Exclusion: Studies of Religion 2 Unit

Course Summary

Studies of Religion promotes an awareness, understanding and critical appreciation of the nature of religion and the influence of religious traditions, beliefs and practices in societies and on the individual, with an emphasis on the Australian context. Studies of Religion allows students to examine critically the role religion plays in enabling believers to make sense of human existence.

Studies of Religion is designed for students in all schools and does not seek to establish one religious tradition to the exclusion of all others. However, this online course will be taught from a distinctly Christian perspective and will provide opportunities for substantial study and research in this area.

The course will be supplemented by video and audio files, interactive quizzes, cloze exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshops days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
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- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other days will be arranged by negotiation with students if the need arises.

Course Outline

Preliminary Course

- The nature of religion
- Aboriginal Spirituality
- The major religious traditions of Islam and Christianity

HSC Course

- Religion and Belief Systems in Australia after 1945
- Two depth Studies – Islam , Christianity

What next?

Studies of Religion, in an overarching sense, provides a flexible structure within which students can prepare for further education and training, employment and full and active participation as citizens.

Online Preliminary Studies of Religion ATAR 2 Unit Course Board Developed Course

Exclusion: Studies of Religion 1 Unit

Course Summary

Studies of Religion promotes an awareness, understanding and critical appreciation of the nature of religion and the influence of religious traditions, beliefs and practices in societies and on the individual, with an emphasis on the Australian context. Studies of Religion allows students to examine critically the role religion plays in enabling believers to make sense of human existence.

Studies of Religion is designed for students in all schools and does not seek to establish one religious tradition to the exclusion of all others. However, this online course will be taught from a distinctly Christian perspective and will provide opportunities for substantial study and research in this area.

The course will be supplemented by video and audio files, interactive quizzes, cloze exercises and online assignments. Students will communicate with teachers regularly via e-mail, course forums and feedback provided on online activities. Students may therefore require interactive software.

The NSW Board of Studies directs that the delivery of Distance Education (this includes online teaching) be supplemented by face-to-face activities. In order to meet these requirements and to allow students to get to know and work with other students in their online class, SCIL runs **intensive face-to-face workshop days** at the Northern Beaches Christian School Campus at Terrey Hills. Attendance at workshop days is a prerequisite for completion of the course and is therefore compulsory.

In 2010 the provisional dates for workshops are:

- Term 1 - Wednesday 27 January
- Term 2 - Monday 19 April
- Term 3 - Monday 19 July
- Term 4 - Monday 11 October

Other days will be arranged by negotiation with students if the need arises.

Course Outline

Preliminary Course

- The nature of religion
- The influence of religion and belief systems in Australian society
- The expression of religion and belief systems in Australia
- Major religious traditions as living religious systems

HSC Course

- Religion and Belief Systems in Australia after 1945
- Religious Tradition Depth Studies (3) – Christianity, Judaism, Islam
- Religion and Peace
- Religion and Non-Religion

What next?

Studies of Religion, in an overarching sense, provides a flexible structure within which students can prepare for further education and training, employment and full and active participation as citizens.

Note: Information Contained in this Course Information Guide is subject to change