



**THE
INTERNATIONAL
BACCALAUREATE
DIPLOMA PROGRAMME
AT
ISS**

**Course Selections Booklet
2010-2011**

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HIGH SCHOOL IB COURSES 2010/2011

The following IB courses are planned to be offered for the 2010/2011 school year:

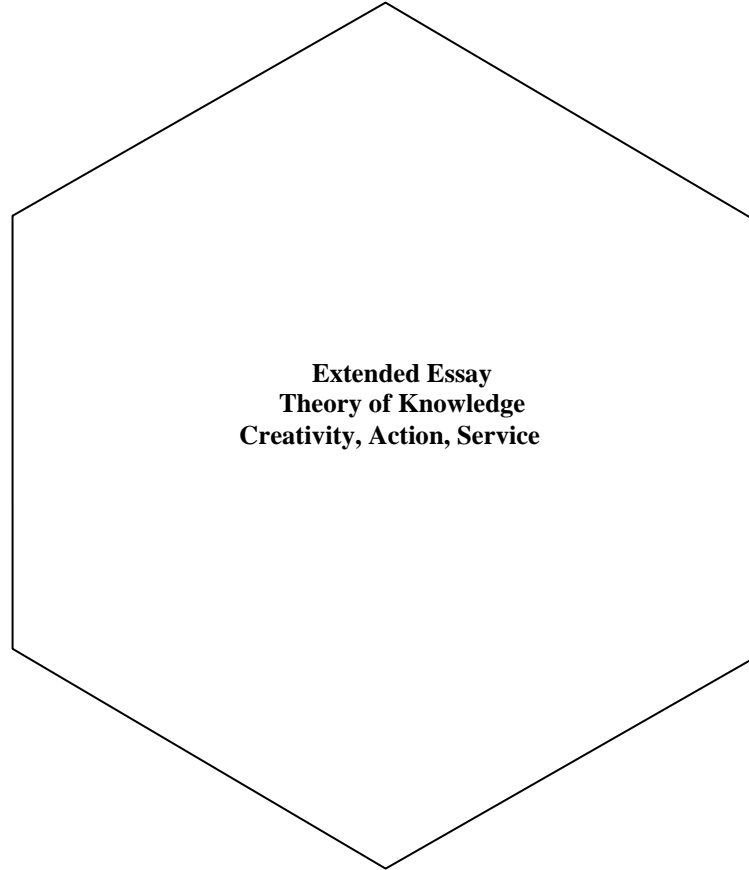
English	Credit	Social Studies	Credit
IB1 English A1 Standard	1	IB1 History Standard	1
IB1 English A1 Higher	1.5	IB1 History Higher	1.5
IB1 English A2 Standard	1	IB2 History Standard	1
IB1 English A2 Higher	1.5	IB2 History Higher	1.5
IB2 English A1 Standard	1	IB1 Geography Standard	1
IB2 English A1 Higher	1.5	IB1 Geography Higher	1.5
IB2 English A2 Standard	1	IB2 Geography Standard	1
IB2 English A2 Higher	1.5	IB2 Geography Higher	1.5
Norwegian	Credit	IB1 Economics Standard	1
IB1 Norwegian A1 Standard	1	IB1 Economics Higher	1.5
IB1 Norwegian A1 Higher	1.5	IB2 Economics Standard	1
IB2 Norwegian A1 Standard	1	IB2 Economics Higher	1.5
IB2 Norwegian A1 Higher	1.5	IB1 Psychology Standard	1
Self-taught Language	Credit	IB1 Psychology Higher	1.5
IB1 Self-taught Lang A1 Standard	1	IB2 Psychology Standard	1
IB2 Self-taught Lang A1 Standard	1	IB2 Psychology Higher	1.5
Mathematics	Credit		
IB1 Mathematical Studies Standard	1	Languages	Credit
IB1 Mathematics Standard	1	IB1 French Standard	1
IB1 Mathematics Higher	1.5	IB1 French Higher	1.5
IB2 Mathematical Studies Standard	1	IB2 French Standard	1
IB2 Mathematics Standard	1	IB2 French Higher	1.5
IB2 Mathematics Higher	1.5	IB1 Spanish Ab Initio Standard	1
Science	Credit	IB2 Spanish Ab Initio Standard	1
IB1 Chemistry Standard	1	IB1 Spanish Standard	1
IB1 Chemistry Higher	1.5	IB1 Spanish Higher	1.5
IB2 Chemistry Standard	1	IB2 Spanish Standard	1
IB2 Chemistry Higher	1.5	IB2 Spanish Higher	1.5
IB1 Physics Standard	1	Fine and Applied Arts/Applied Technology	Credit
IB1 Physics Higher	1.5	IB1 Visual Arts Standard	1
IB2 Physics Standard	1	IB1 Visual Arts Higher	1.5
IB2 Physics Higher	1.5	IB2 Visual Arts Standard	1
IB1 Biology Standard	1	IB2 Visual Arts Higher	1.5
IB1 Biology Higher	1.5	Additional IB Requirements	Credit
IB2 Biology Standard	1	IB1/IB2 TOK	0.50
IB2 Biology Higher	1.5	IB1/IB2 CAS	

CAS is required for all IB Diploma students. Students are encouraged to use ISS courses (PE, Aerobic & Body Conditioning, Yearbook, Band, Choir, MUN) to help meet some or all their requirements in the area. Students will receive ISS credit for these classes. All students must submit their CAS proposals for the approval of the CAS coordinator.

IB HEXAGON

English A1 HL/SL
Norwegian A1 HL/SL
Self-taught language A1 SL

Language A1 (Group 1)



Extended Essay
Theory of Knowledge
Creativity, Action, Service

Second Language (Group 2)

English A2 HL/SL
French B HL/SL
Spanish B HL/SL
Spanish Ab Initio SL

Individuals and Societies (Group 3)

History HL/SL
Geography HL/SL
Economics HL/SL
Psychology HL/SL

Experimental Sciences (Group 4)

Biology HL/SL
Chemistry HL/SL
Physics HL/SL

Mathematics and Computer Science (Group 5)

Mathematics HL
Mathematics SL
Mathematical Studies SL

The Arts and Electives (Group 6)

Visual Arts HL/SL
Additional choice from Groups 2, 3 or 4
(Subject to scheduling)

THE INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

The IBO (International Baccalaureate Organization) Mission Statement

‘The International Baccalaureate Organization aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.

To this end the IBO works with schools, governments and international organizations to develop challenging programmes of international education and rigorous assessment.

These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.’

<http://www.ibo.org> - November 2002

The International Baccalaureate (IB) Diploma is a comprehensive rigorous two-year curriculum leading to examinations. Based on the pattern of no single country, it is a deliberate compromise between the specialization required in some national systems and the breadth preferred in others. The general objectives of the IB are to provide students with a balanced education, to facilitate geographical and cultural mobility and to promote international understanding through shared academic experience. The International Baccalaureate, which was founded over a quarter of a century ago, has come to stand as a symbol for academic integrity and intellectual promise. The student who satisfies its demands demonstrates a strong commitment to learning, both in terms of the mastery of subject content and development of the skills and discipline necessary for success in a competitive world.

Along with over 1000 other schools, both public and private, in more than 100 countries, the International School of Stavanger has decided to offer an IB Diploma Programme. The IB Diploma is especially valuable where university admission is based on results in externally set examinations. For students intending to enter most European and Commonwealth universities, the IB Diploma is usually the only guarantee for university admission. For American universities, successful participation in IB courses can promote university acceptance while successful completion of IB HL exams can lead to university course credit or advanced placement, or both.

It is anticipated that the majority of students will be enrolled in their final years as Diploma or Certificate candidates. Determined students should do well in the Programme with the support and expertise of ISS’s high-quality teaching staff. Students will find that they are operating in an atmosphere which stimulates them to explore and to excel. Personal abilities and future goals usually determine a candidate’s curriculum. The IB Programme is structured to accommodate every motivated, sincere and serious student enrolled at ISS through the use of the full diploma or IB certificate alternatives.

N.B. ISS grade 11 and 12 students may enrol in single or multiple higher or standard level IB certificate courses as honor courses without being enrolled in the full IB Diploma Programme at ISS.

More information about IB programmes can be found on the IB website www.ibo.org

General points

1. Students enrolled in IB courses at ISS:
 - (i) should be highly motivated to work hard independently
 - (ii) should be continually reviewing through the course in preparation for the external examinations
2. IB courses can improve students’ confidence and encourage academic excellence. These courses represent college level work. Colleges and universities in the US often grant college credit to students who have performed well on these examinations. Some institutions will grant sophomore standing to students who do well on IB High Level certificates. This statement is even more valid for students who pass the IB Diploma well.

The Six Subjects

To qualify for the Diploma, a student must successfully complete six IB Subjects with three at Higher Level and three at the Standard Level. The six Subjects must include the following:

1. Language A1 (first language): English A1 or Norwegian A1. Other languages may be presented through the self-taught option.
2. Second Language: English A2, or French B, or Spanish B. Spanish may also be offered at Ab Initio Level (for beginners).
3. Individuals and Society: History or Geography or Economics, or Psychology.
4. Experimental Sciences: Biology, or Chemistry, or Physics.
5. Mathematics (Higher Level or Standard Level), or Mathematical Studies (Computer Science may be taken in addition to a Mathematics course).
6. Visual Arts, or a further Subject from group 2, 3 or 4. (*subject to scheduling*).

Additional IB diploma requirements

Theory of Knowledge

Students must complete an interdisciplinary course in the Theory of Knowledge. This exercise is designed to encourage critical and independent thinking. Topics examined include the foundations of logic and philosophy, the nature of scientific proof, the fundamental concepts of social sciences, the nature of values and the question of truth.

Extended Essay

Students must select, research, and write an extended essay in one of their six examination Subjects. Each student works under the guidance of the Subject teacher.

CAS: Creativity, Action and Service

In addition to being a requirement for the IB Diploma, CAS activities are required of all IB students at ISS. CAS participation is intended to develop a student's artistic creation, physical well-being and commitment to serve the communities in which they live. Some of the options which may be available are as follows:

Creativity

Model United Nations (MUN)
Yearbook
Art
Design Technology
Computing courses
Drama - acting and/or technical assistance
Band
Choir

Action

School or community sports teams
Team Manager
Individual sports participation:
 horse riding
 swimming
 table-tennis
 windsurfing
Community service projects involving active participation (IFG or others)
Organizing activities in school or community

Service: internal

Primary school teacher assistants
Administrative assistants
Library assistants
Student Council /Class Officer

Service: external

Working with the mentally handicapped
Working with the Cub Scouts
Social work, visiting and helping elderly.

Examinations and the award of the IB diploma and certificates

All examinations leading to the Diploma normally take place at the end of the second year of study (grade 12). The examinations are externally set by the IBO (International Baccalaureate Organization). However, in most Subjects a part of the Programme (not to exceed 30%) is internally assessed by the school. The grading scale for IB examinations is as follows:

7	=	excellent
6	=	very good
5	=	good
4	=	satisfactory
3	=	mediocre
2	=	poor
1	=	very poor

In addition, a student may earn up to three additional points for superior performance in Theory of Knowledge and the Extended Essay.

The Diploma will normally be awarded to candidates whose total score reaches or exceeds 24 points, provided all the following requirements have been met:

- a) numeric grades have been awarded in all six subjects registered for the diploma
- b) an approved programme of creativity, action and service (CAS) has been completed
- c) grades A to E have been awarded for both Theory of Knowledge and an extended essay, with a grade of at least D in one of them
- d) there is no grade 1 in any subject
- e) there is no grade 2 at higher level
- f) there is no more than one grade 2 at standard level
- g) overall, there are no more than three grades 3 or below
- h) at least 12 points have been gained on higher level subjects (candidates who register for four higher level subjects must gain at least 16 points at higher level)
- i) at least 9 points have been gained on standard level subjects (candidates who register for two standard level subjects must gain at least 6 points at standard level)
- j) the final award committee has not judged the candidate to be guilty of malpractice

For students with a total score of 28 points or higher, requirements e), f), h) and i) are relaxed by one grade.

Certificate candidates will be issued a document from the IBO listing the Subject examinations taken along with the scores received.

THE FOLLOWING IB SUBJECTS MAY BE OFFERED AT ISS:

The school reserves the right to add or delete courses according to student demand and staff availability.

GROUP 1: Language A1

English A1 - Higher and Standard
Norwegian A1 - Higher and Standard
School Supported Self-taught Language A1 - Standard Level only

GROUP 2: Second Language

English A2 - Higher and Standard
French - Higher and Standard
Spanish - Higher, Standard and Ab Initio

GROUP 3: Individuals and Societies

History - Higher and Standard
Geography – High and Standard
Economics - Higher and Standard
Psychology - Higher and Standard

GROUP 4: Experimental Sciences

Biology - Higher and Standard
Chemistry - Higher and Standard
Physics - Higher and Standard

GROUP 5: Mathematics and Computer Science

Mathematical Studies - Standard
Mathematics - Standard
Mathematics - Higher

GROUP 6: The Arts and Additional Subjects

Visual Arts - Higher or Standard
(Additional Choice from Groups 3 or 4 - Higher or Standard *subject to scheduling*)

Programme fees

Additional fees are charged for all IB Diploma and Certificate candidates to cover the costs of administering the Programme and examinations. Examination fees are billed separately following examination registration.

Attitudes and skills of a successful IB candidate

1. An eagerness to learn;
2. Efficient time management (i.e. use of agenda or homework diary, prompt submission of work, good use of non-scheduled periods);
3. Note-taking as a habit (an organized and structured folder with assignments, past papers and handouts into which the student makes daily notes during class discussions);
4. Good preparation for lessons: bringing to class and being prepared to use both ideas and materials - notes, textbooks, pen, pencil, ruler, eraser, calculator;
5. The ability to complete assignments on time;
6. A well-considered balance between academic and social activities;
7. An ability to use initiative to achieve personal understanding and the initiative to ask for help;
8. The willingness to work consistently for the entire two-year Programme.

COLLEGE/UNIVERSITY PLACEMENT

The IB Coordinator along with the High School Counselor will provide assistance in answering questions about guidance in planning for the IB Programme. An extensive collection of career materials and university catalogues can

be found in ISS's high school library and on the worldwide Web. Information concerning national and university recognition policies may be obtained through the High School Counselor, the IB Coordinator, or the IB webpage www.ibo.org. The Counselor is solely responsible for scheduling students and ensuring their university/college placements.

Students holding the IB Diploma have been accepted by universities and other institutions of higher education in countries all around the world, usually on the basis of negotiated equivalence agreements with these bodies and the Ministries of Education in accordance with national requirements.

HIGH SCHOOL PROGRAM PLANNERS FOR GRADES 11 & 12

Students intending to graduate from ISS with a Full International Baccalaureate Diploma (in addition to an ISS High School Diploma) will choose a two-year program from the course options outlined below. IB Diploma students must choose **three Higher Level** and **three Standard Level** subjects, *one from each group 1 – 6* (a subject from Group 6 can be replaced by an extra subject from one of the other groups, depending on scheduling). IB Diploma students must also take Theory of Knowledge, participate in CAS activities (including ISS Elective classes), and write an Extended Essay. Students who choose to follow the ISS High School Diploma option have a little more flexibility, but must ensure that they have sufficient credits in each subject area to enable them to graduate. All students are encouraged to choose a challenging well-rounded educational program for their last two years of High School.

The IB has a regular programme of syllabus updates, so details of topics taught may change from year to year. The courses and combinations of courses available in any year will depend on scheduling, student demand and staff availability. The chart below will enable students to make provisional choices, which will be discussed with the Counsellor at a later date.

Group 1 (First language)	English A1 Norwegian A1 Self-taught A1 in your own first language – with a tutor	<ul style="list-style-type: none"> ○ HL ○ HL 	<ul style="list-style-type: none"> ○ SL ○ SL ○ SL
Group 2 (Second language)	English A2 (must be taken if English A1 is not chosen) French B Spanish B Spanish ab initio (for beginners)	<ul style="list-style-type: none"> ○ HL ○ HL ○ HL 	<ul style="list-style-type: none"> ○ SL ○ SL ○ SL ○ SL
Group 3 (Individuals and Societies)	History Geography Economics Psychology	<ul style="list-style-type: none"> ○ HL ○ HL ○ HL ○ HL 	<ul style="list-style-type: none"> ○ SL ○ SL ○ SL ○ SL
Group 4 (Experimental Sciences)	Biology Chemistry Physics	<ul style="list-style-type: none"> ○ HL ○ HL ○ HL 	<ul style="list-style-type: none"> ○ SL ○ SL ○ SL
Group 5 (Mathematics)	Mathematics Mathematical Studies	<ul style="list-style-type: none"> ○ HL 	<ul style="list-style-type: none"> ○ SL ○ SL
Group 6 (The Arts and Additional Choices)	Visual Arts Or choose an additional choice from Groups 3 or 4.	<ul style="list-style-type: none"> ○ HL 	<ul style="list-style-type: none"> ○ SL
Theory of Knowledge (TOK)	Required for all IB Diploma students	<ul style="list-style-type: none"> ○ TOK 	
CAS and ISS Electives	CAS required for all IB Diploma students Include at least one of the timetabled classes below (subject to scheduling) Symphonic Choir Symphonic Band PE 10-12 Aerobics and Body Conditioning Yearbook MUN The International Award	<ul style="list-style-type: none"> ○ CAS ○ Choir ○ Band ○ PE ○ Aerobics ○ Yearbook ○ MUN ○ Int Award 	
Extended Essay	Required for all IB Diploma students	<ul style="list-style-type: none"> ○ EE 	

GROUP 1 SUBJECTS – Language A1

English

IB English Language A1 – Higher Level & Standard Level

Grade 11 (IB year one) and 12 (IB year two)

1.5 credits Higher Level each year

1 credit Standard Level each year

Full year (two-year course)

Weighted

Recommendation: Completion of Grade 10 English or equivalent

The English A1 course is a literature-based program which encourages students to develop an understanding of and appreciation for the English language and the art of writing. Through a close examination of literature as well as extensive written and oral responses, the course seeks to facilitate the clear expression of ideas, to aid clear, precise presentation of argument and to assist in the understanding of both oral and written discourse.

Students in the higher-level course study fifteen literary works while students at standard level study eleven. Texts are selected from lists prescribed by the IBO and the syllabus consists of varying genres (prose fiction, poetry, drama and prose nonfiction), time periods and cultures.

Assessment:

Assessments for this course will include both written and oral work, focused heavily on literary analysis. In addition to regular class work, students are expected to complete written coursework (one piece for standard level and two for higher level), deliver oral presentations, and sit two external examinations for their IB qualification. Assessment criteria and requirements are established by the IBO and differ somewhat for higher- and standard-level students.

Norwegian

IB Norwegian Language A1 – Higher Level & Standard Level

Grade 11 (IB year one) and 12 (IB year two)

1.5 credits Higher Level

1 credit Standard Level

Full year (two year course)

Weighted

Recommendation: Native or very near-native command of the language and completion of Grade 10 Norwegian or equivalent

The Language A1 Program aims to promote an appreciation of the wealth and subtleties of the language and to lead to an awareness of linguistic structures. It seeks to facilitate the clear expression of ideas, to aid clear, precise presentation of argument and to assist in the understanding of both oral and written discourse.

The Norwegian A1 course encourages the development of an appreciation for literature. Students in the higher-level course will study fifteen literary works while students at standard level will study eleven. Texts are selected from lists prescribed by the IBO and the syllabus consists of varying genres (prose fiction, poetry, drama and prose nonfiction), time periods and cultures.

Assessment:

Assessments for this course will include both written and oral work, focused heavily on literary analysis. In addition to regular class work, students are expected to complete written coursework (one piece for standard level and two for higher level), deliver oral presentations, and sit two external examinations for their IB qualification. Assessment criteria and requirements differ for higher- and standard-level students.

Self-Taught Language A1

IB School Supported Self-taught Language A1 - Standard Level

Grade 11 (IB year one) and 12 (IB year two)
1 credit Standard Level each year
Full year (two year course)
Weighted

Course Description:

Students can choose a school supported self-taught Language A1 program if their first language is not one of the A1 languages offered by the school (i.e. neither English nor Norwegian). They are expected to have native or very near-native command of the A1 language which they study. The school will provide support in the form of advice on the structure of the program, information about assessment requirements, formal literacy training, and general supervision of the program. Guidance in the A1 language and support in studying the texts can be provided by an external tutor where available. Tutors are not provided or employed by ISS, and are not involved in the assessment for IB.

The Language A1 Program aims to promote an appreciation of the wealth and subtleties of the language and to lead to an awareness of linguistic structures. It seeks to facilitate the clear expression of ideas, to aid clear, precise presentation of argument and to assist in the understanding of both oral and written discourse. The Language A1 Program encourages the development of an appreciation of literature and knowledge of texts written in the A1 Language. In view of the international nature of the International Baccalaureate, the program does not limit the study of literature to the achievements of one culture. This aspect is incorporated into the program through the study of World Literature, which is a central and integral part of the A1 program. Eleven works are studied in total, six written originally in the A1 Language and five written originally in a different language (World Literature).

Assessment:

ISS assessment for school supported self-taught Language A1 programs is made on a pass-fail basis. Final IB assessment is based on a World Literature essay, two written examination papers, and a recorded oral examination set by IB.

GROUP 2 SUBJECTS – Second Language

English A2

IB English Language A2 – Higher Level & Standard Level

Grade 11 (year one) and 12 (year two)
1.5 credits Higher Level each year
1 credit Standard Level each year
Full year (two year course)
Weighted
Recommendation: Completion of Grade 10 English or equivalent

This course is designed for learners who do not have English as their first language but who are highly competent users of the English language.

The A2 course aims to develop a variety of linguistic skills through the study of a wide range of texts and topics, to promote an appreciation of the wealth and subtleties of the language and target cultures, and to facilitate the clear expression of ideas. Students will engage in close, detailed and critical examination of texts from different genres, media, styles, and contexts and will explore topics of import in contemporary culture.

Assessment:

Assessments for this course will include both written and oral work. In addition to regular class work, students are expected to complete written coursework (two pieces), deliver oral presentations, and sit two external examinations for their IB qualification. Assessment criteria and requirements are established by the IBO and differ somewhat for higher- and standard-level students.

French

IB1 French B

Grade 11
1.5 credits Higher Level
1 credit Standard Level
Weighted
Full year

Prerequisites: Successful completion of French III/IV (10th grade) or its equivalent.

Aims: The advanced study of French further develops and refines the skills already gained by the end of French IV. The objectives of IB language study are social, academic and cultural, with emphasis upon communication and interaction in the target language. Students will gain greater insight into the French, or francophone, way of life whilst acquiring a more detailed knowledge of the structure and rules of the language in operation. Higher Level students will have a literature component.

Coursebook: Prévisions. MGP.

Assessment: Equal weighting (20%) is given to the four skills of listening, speaking, reading and writing, plus 20% for examinations.

IB2 French B

Grade 12
1.5 credits Higher Level
1 credit Standard Level
Weighted
Full year (Final year of 2 year course)

Prerequisites: Satisfactory completion of IB1 French B SL or HL or their equivalent.

Aims: see IB1 French B above

Coursebook: Réalisations. MGP.

Assessment: Equal weighting (20%) is given to the four skills of listening, speaking, reading and writing, plus 20% for examinations.

Spanish

IB Spanish Ab Initio 1 & 2

Grades 11-12
1 credit
Full Year
Weighted for IB students
Prerequisites: No prior knowledge of Spanish

Course Description:

Aims: The Spanish Ab Initio is a two year course aimed at developing the ability to communicate in speech and writing so that students can deal adequately with familiar and practical needs in the context of Spanish culture. The course objectives are achieved through the study of nine core topics plus specified vocabulary and grammar.

Coursebook: Mañana 1,2 and 3

Assessment:

Equal weighting (20%) is given to the four skills of listening, speaking,, reading and writing, plus 20% for examinations.

IB1 Spanish B

Grade 11
1.5 credits Higher Level
1 credit Standard Level
Full Year
Weighted
Prerequisites: Successful completion of Spanish III/IV (10th grade) or its equivalent.

Course Description:

Aims: The advanced study of Spanish further develops and refines the skills already gained by the end of Spanish IV. The objectives of IB language study are social, academic and cultural, with emphasis upon communication and interaction in the target language. Students will gain greater insight into the Spanish, or Hispanic, way of life whilst acquiring a more detailed knowledge of the structure and rules of the language in operation. Higher level students will pursue topics in greater depth.

Coursebook: Ánimo 1

Assessment:

Equal weighting (20%) is given to the four skills of listening, speaking,, reading and writing, plus 20% for examinations.

IB2 Spanish B

Grade 12
1.5 credits Higher Level
1 credit Standard Level
Full year (Final year of 2 year course)
Weighted
Prerequisites: Satisfactory completion of IB1 Spanish B SL or HL or their equivalent.

Course Description:

Aims: *see* IB Spanish SL1 & HL1 above

Coursebook: Ànimo 2

Assessment:

Equal weighting (20%) is given to the four skills of listening, speaking,, reading and writing, plus 20% for examinations.

GROUP 3 SUBJECTS – Individuals and Societies

IB History 1

Grade 11
1.5 credits Higher Level
1 credit Standard Level
Full Year
Weighted

Aims:

The course is concerned with individuals and societies in the widest context; political, social, economic and cultural.

The aims of the course are to promote acquisition of knowledge and understanding of the past and to contribute to students' international understanding. Students will also be taught how to evaluate and analyze sources. The main topics for all history students are comparative and open ended. They are: Wars in the 20th century, Single Party States, and the Cold War. Higher Level students study in depth units on: Russia 1860 – 1924; WWI and Europe between WWI and WWII.

Assessment:

Written examination, reading assignments, essay and analysis assignments, as well as classroom projects and contribution. A piece of guided coursework will be allocated to students in the second Semester.

IB History 2

Grade 12
1.5 credits Higher Level
1 credit Standard Level
Full year
Weighted

Aims and objectives: As for IB History 1

This course is a continuation of the first year IB programme. Students may take the course without having IB 1 for credit. These students will not be eligible for Certificate or Diploma status.

Assessment will be made throughout the year with similar categories as in year 1, but students will be required to sit external examinations in May, if they are seeking Diploma or Certificate status.

IB Geography 1

Grade 11
1.5 Credits Higher Level
1 Credit Standard Level
Full Year
Weighted

Geography is a dynamic subject that is firmly grounded in the real world and focuses on the interactions between individuals, societies and the physical environment in both time and space. It seeks to identify trends and patterns in these interactions and examines the processes behind them. Topics covered include Population, Patterns in resource consumption and environmental sustainability, Globalisation, Extreme environments, Oceans and Rivers, Hazards and Disasters, Urbanisation, Leisure, sport and tourism, Food and Health, Geo-politics, Trade and Aid, Map Work and data research and presentation.

The geography course requires no specific prior learning. The skills needed for the geography course are developed within the context of the course itself. All students study a core section and complete a fieldwork investigation. SL students study two optional themes and HL students study three optional themes. HL students also study extension themes investigating global interactions between the environment, economy and politics. Students practice key skills in research and data presentation and analysis.

Assessment: Written and reading assignments, fieldwork, data research and presentation, projects and classroom participation.

IB Geography 2

Grade 12
1.5 Credits Higher Level
1 Credit Standard Level
Full Year
Weighted

This is a continuation of the 11th Grade IB Geography course. It examines key global issues, such as poverty, sustainability and climate change. It considers examples and detailed case studies at a variety of scales, local, regional, national and international. Through these case studies students develop an understanding of the interrelationships between people, places, spaces and the environment. The core theme focuses on the United Nations' Millennium Development Goals (MDGs), in particular those concerning poverty reduction, gender equality, improvements in health and education and environmental sustainability.

Assessment: Written and reading assignments, fieldwork, data research and presentation, projects and classroom participation.

IB Economics 1

Grade 11
1.5 Credits Higher Level
1 Credit Standard Level
Full Year
Weighted

Recommendation: For Higher Level Economics it is recommended that students enroll in IB Higher Math or IB Standard Math. Students wishing to study Economics at university should also consult the Math requirement of the university they are seeking to attend.

Aims:

To develop in the student disciplined skills of economic reasoning; an ability to apply the tools of economic analysis to past and contemporary situations and data, and to explain the findings clearly; an understanding of how individuals, organizations, societies and regions organize themselves in the pursuit of economic objectives; and an ability to evaluate economic theories, concepts, situations and data in a way which is rational and unbiased.

Assessment:

Homework questions, quizzes, IB essays, data response questions and tests

IB Economics 2

Grade 12
1.5 Credits Higher Level
1 Credit Standard Level
Full Year
Weighted

Recommendation: For Higher Level Economics it is recommended that students enroll in IB Higher Math or IB Standard Math. Students wishing to study Economics at university should also consult the Math requirement of the university they are seeking to attend.

Aims:

Many of the principles learned in the first year course will be developed and applied in the second year. In addition to developing the ideas and concepts covered in the IB Economics 1 course, the Economics 2 course seeks to develop for the student international perspectives which feature a respect for and understanding of the interdependence and the diversity of economic realities in which individuals, organizations and societies function.

Assessment:

Homework questions, quizzes, IB essays, data response questions and tests

IB Psychology 1 and 2

Grades 11 and 12

1.5 Credits Higher Level

1 Credit Standard Level

Full Year

Weighted

Aims:

This course will develop in students an understanding of the biological, social and cultural influences on human behavior. Learning about the different theoretical processes of interpreting behavior, students will build awareness of how these processes lead to the construction and evaluation of psychological theories.

Students will interpret and conduct psychological research with the intent to apply the resulting knowledge for the benefit of human beings. They will learn about and ensure that ethical practices and responsibilities are implemented in psychological inquiry.

Topics to be studied include:

Biological, cognitive, learning.

Research Methodology

Additionally, SL will study one and HL will study two of the following:

Social Psychology

Psychodynamic Psychology

The Psychology of Dysfunctional Behavior

Assessment:

Written examination, essay and analysis assignments, as well as classroom contribution. During Year 2, students will conduct an experimental study as guided coursework.

GROUP 4 SUBJECTS – Experimental Sciences

SCIENCE

IB Chemistry 1

Grade 11

1.5 Credits Higher Level

1 Credit Standard Level

Full year

Weighted

Prerequisite: Physical Science II and Biology 1, or their equivalents

Aims:

IB Chemistry is a modern science course with an emphasis on developing an understanding of basic chemical principles and laboratory methods. The central theme of the course is the properties and reactions of materials at the atomic level, with an emphasis on practical work to illuminate and explore the topics. Quantitative Chemistry, Atomic Structure and Bonding, Periodicity, Reaction rates, and Equilibrium are the main topics covered. The objectives of the course are to provide students with the knowledge and skills necessary to understand their world, and to prepare them for future higher science courses and the IB examinations. Part of the IB course (either in IB1 or IB2) is a major science project, the Group 4 project, working with students from other science disciplines in a broad-based student-led investigation. This project allows the development of experimental skills together with the ability to collaborate and communicate within a multi-disciplinary team.

Assessment:

At both HL and SL, practical laboratory work is given a high priority. Practical skills will be assessed in designated experiments and project work (mainly in IB2), and this will make up 24% of a student's final IB grade. The ISS grade will be based upon laboratory activities (33%), homework and assignments (33%), and tests (33%).

IB Chemistry 2

Grade 12

1.5 Credits Higher Level

1 Credit Standard Level

Full year

Weighted

Prerequisite: IB Chemistry 1 or its equivalent

Aims:

IB Chemistry 2 is the extension and completion of the course begun in IB Chemistry 1 with the same aims and objectives. Topics covered include Acids and Bases, Redox Reactions, and Organic Chemistry. There is opportunity for students to apply their knowledge further in the option topics which focus on current applications of Chemistry in the Environmental and Biochemical fields. Part of the IB course (either in IB1 or IB2) is a major science project, the Group 4 project, working with students from other science disciplines in a broad-based investigation. This project allows the development of experimental skills together with the ability to collaborate and communicate within a multi-disciplinary team.

Assessment:

At both HL and SL, practical work is given a high priority to fulfil the IB laboratory requirements. Practical skills will be assessed in designated experiments and project work, and will make up 24% of a student's final IB grade. The ISS grade will be based upon laboratory activities (33%), homework and assignments (33%), and tests (33%).

IB Physics 1

Grade 11

1.5 Credits Higher Level

1 Credit Standard Level

Full year

Weighted

Prerequisites: Physical Science II and Biology 1, or their equivalents

Aims:

IB physics 1 forms the first part of a two year IB physics course. The main topics in this first year of the course are mechanics, waves, electricity and magnetism. The course has an extensive experimental program which forms part of the final IB exam grade at the end of the second year. Students therefore develop measurement and analysis of data as a particular part of their coursework. Part of the IB course (either in IB1 or IB2) is a major science project, the Group 4 project, working with students from other science disciplines in a broad-based student-led investigation. This project allows the development of experimental skills together with the ability to collaborate and communicate within a multi-disciplinary team.

Assessment:

At both HL and SL, practical laboratory work is given a high priority. Practical skills will be assessed in designated experiments and project work (mainly in IB2), and this will make up 24% of a student's final IB grade. The ISS grade will be based upon laboratory activities (33%), homework and assignments (33%), and tests (33%).

IB Physics 2

Grade 12

1.5 Credits Higher Level

1 Credit Standard Level

Full year

Weighted

Prerequisites: IB Physics 1 or its equivalent

Aims:

IB physics 2 forms the second part of the two-year IB course. The main topics are thermal physics, thermodynamics, atomic, nuclear, & quantum physics, and energy, power & climate change. Students also complete the option subjects: Astrophysics, and Communications. Part of the IB course (either in IB1 or IB2) is a major science project, the Group 4 project, working with students from other science disciplines in a broad-based student-led investigation. This project allows the development of experimental skills together with the ability to collaborate and communicate within a multi-disciplinary team.

Assessment:

At both HL and SL, practical work is given a high priority to fulfil the IB laboratory requirements. Practical skills will be assessed in designated experiments and project work, and will make up 24% of a student's final IB grade. The ISS grade will be based upon laboratory activities (33%), homework and assignments (33%), and tests (33%).

IB Biology 1

Grade 11

1.5 Credits Higher Level

1 Credit Standard Level

Full year

Weighted

Prerequisites: Physical Science II and Biology 1 or their equivalents

Aims:

IB Biology is a modern science course with an emphasis on developing an understanding of basic biological principles, laboratory methods, and the analysis of experimental data. It aims to provide a good introduction to university studies in Biology and related subjects, and promotes an understanding of the processes of science. In IB Biology 1 students study the topics of ecology, biochemistry, cell biology, and genetics. Part of the IB course (either in IB1 or IB2) is a major science project, the Group 4 project, working with students from other science disciplines in a broad-based student-led investigation. This project allows the development of experimental skills together with the ability to collaborate and communicate within a multi-disciplinary team.

Assessment:

At both HL and SL, practical laboratory work is given a high priority. Practical skills will be assessed in designated experiments and project work (mainly in IB2), and this will make up 24% of a student's final IB grade. The ISS grade will be based upon laboratory activities (33%), homework and assignments (33%), and tests (33%).

IB Biology 2

Grade 12

1.5 Credits Higher Level

1 Credit Standard Level

Full year

Weighted

Prerequisites: IB Biology 1 or its equivalent

Aims:

IB Biology is a modern science course with an emphasis on developing an understanding of basic biological principles, laboratory methods, and the analysis of experimental data. It aims to provide a good introduction to university studies in Biology and related subjects, and promotes an understanding of the processes of science. IB Biology 2 forms the second year of the two-year IB course. In IB2 students focus particularly on human physiology and evolution. Part of the IB course (either in IB1 or IB2) is a major science project, the Group 4 project, working with students from other science disciplines in a broad-based student-led investigation. This project allows the development of experimental skills together with the ability to collaborate and communicate within a multi-disciplinary team.

Assessment:

At both HL and SL, practical work is given a high priority to fulfil the IB laboratory requirements. Practical skills will be assessed in designated experiments and project work, and will make up 24% of a student's final IB grade. The ISS grade will be based upon laboratory activities (33%), homework and assignments (33%), and tests (33%).

GROUP 5 SUBJECTS – Mathematics and Computer Science

Mathematics

IB Mathematical Studies 1 & 2

Grades 11-12
1 Credit per year
Standard Level
Full Year (x2)
Prerequisites: Integrated Mathematics 10 or its equivalent

Course Description:

Aims: This course is designed to develop and broaden the students' understanding of mathematical processes with an emphasis on real life applications. In it, students will develop the mathematical skills necessary for life in our technological society. Topics of study include Algebra, Geometry, Trigonometry, Sets, Logic, Financial Mathematics, Statistics, Probability and Calculus. Through their studies, the students will develop an appreciation for the beauty, power and usefulness of mathematics. As well, students will continue to develop their logical, critical and creative thinking skills from a mathematical view point.

In addition to covering the IB syllabus, the students will be required to complete a mathematical research project. The students will collect all necessary data and perform appropriate mathematical analysis to satisfy IB marking criteria. This project should be the culmination of their mathematical studies, reflecting the knowledge that they have developed throughout the course.

Assessment:

Homework; quizzes and tests; investigations; extended project

IB Mathematics Standard Level 1 & 2

Grade 11-12
1 credit per year
Standard level
Full year (x2)
Weighted
Prerequisites: Grade 10 Integrated Mathematics Enriched or Grade 10 Integrated Mathematics (with teacher approval) or the equivalent

Course Description:

Aims: This 2 year program is designed to provide a background of mathematical thought and a reasonable level of technical ability. Mathematics SL focuses on enabling the student to develop a sound basis of mathematical skills and knowledge in order to facilitate the further study of mathematically related subjects such as chemistry, economics, medicine, geography and business studies. The aims are to enable the student to develop logical thought, to deepen the understanding of mathematical concepts and principles, to develop skills in devising and presenting mathematical arguments, and to apply skills and knowledge acquired in mathematics to other subject areas.

Mathematics SL takes a theoretical approach to mathematics in a more informal setting, as opposed to Mathematics HL, which has a more rigorous analytical approach to the study of mathematics. Topics include Vectors, Probability, Statistics, Trigonometry, Functions, Sequences, Series and Calculus.

Assessment:

Homework; quizzes and tests; portfolio - investigation, mathematical modeling

IB Mathematics Higher Level 1 & 2

Grade 11-12

1.5 Credits Higher Level

Full year (x2)

Weighted

Prerequisites: Successful completion of Integrated Mathematics 10 Enriched or its equivalent

Course Description:

Aims: This program is designed for students with mastery of and a strong background in mathematics. It is intended to meet the needs of the student who has a genuine interest in mathematics as well as the student planning to study related subjects such as physics, engineering and technology. The aims are to enable students to develop logical, critical and creative thinking in mathematics, employ and refine the powers of abstraction and generalization, have an awareness of and utilize the potential of technological developments in a variety of mathematical contexts and to communicate mathematically in a clear and concise way.

Mathematics HL is an analytical approach to theoretical mathematics and students enrolled in this class are expected to be strong mathematicians. Topics include Algebra, Functions, Matrices, Vectors, Statistics, Probability, and Calculus.

Assessment:

Homework; quizzes and tests; portfolio - investigation, mathematical modeling

GROUP 6 SUBJECTS – The Arts and Additional Subjects

Visual Arts

IB Visual Arts SL1 & SL2

Grades 11 and 12
1 credit Standard Level
Full Year
Weighted

Prerequisites: Previous experience in Art is recommended but not necessary

IB Visual Arts Standard Level: two options

Option A: Studio (Practical) Work 60%
Investigation Workbook 40%

Option B: Studio (Practical) Work 40%
Investigation Workbook 60%

- A. Studio Work is the emphasis for option A. Understanding the creative process through structured and experimental learning will be taught using a variety of mediums, techniques, and approaches. During the second semester of the first year, the students choose a theme, and continue to learn and experiment with various mediums / ways of working to visually express their own ideas. Each student will prepare a final exhibition of his/her work, and will discuss this work with an assigned IB examiner who will visit the school during the spring of the second year. The students will use the Investigation Workbooks to sketch, write, and record information. It is a personal record of the student's research into the appreciation and history of the Visual Arts. They will be expected to connect their ideas to such investigated areas as current events / issues, novels, or other contexts to help explore their theme. This will be assessed by the teacher (final IB assessment).
- B. The emphasis with option B is the Investigation Workbook, which is produced like the workbook for option A. It is a personal record of the student's research into the appreciation and history of the Visual Arts. The students will be expected to include records of experimental studio research, which relate to the traditions, techniques, and art/design forms selected for study, as well as contextual connections. The studio work is assessed in the spring of the second year by the teacher, and the Investigation Workbooks are assessed by the IB examiner.

The content of this course is identical with that at Higher Level, but would not necessarily expect work of similar maturity or amount. Students need a high level of motivation and self discipline in order to work with their own ideas and projects (particularly in the second part of the program).

IB Visual Arts HL1 & HL2

Grades 11 and 12
1 credit Standard Level
Full Year
Weighted

Prerequisites: Previous experience in Art is recommended but not necessary

IB Visual Arts Standard Level: two options

Option A: Studio (Practical) Work 60%
Investigation Workbook 40%

Option B: Studio (Practical) Work 40%
Investigation Workbook 60%

- A. Studio Work is the emphasis for option A. Understanding the creative process through structured and experimental learning will be taught using a variety of mediums, techniques, and approaches. During the second semester of the first year, the students choose a theme, and continue to learn and experiment with various mediums / ways of working to visually express their own ideas. Each student will prepare a final exhibition of his/her work, and will discuss this work with an assigned IB examiner who will visit the school during the spring of the second year. The students will use the Investigation Workbooks to sketch, write, and record information. It is a personal record of the student's research into the appreciation and history of the Visual Arts. They will be expected to connect their ideas to such investigated areas as current events / issues,

novels, or other contexts to help explore their theme. This will be assessed by the teacher (final IB assessment).

- B. The emphasis with option B is the Investigation Workbook, which is produced like the workbook for option A. It is a personal record of the student's research into the appreciation and history of the Visual Arts. The students will be expected to include records of experimental studio research, which relate to the traditions, techniques, and art/design forms selected for study, as well as contextual connections. The studio work is assessed in the spring of the second year by the teacher, and the Investigation Workbooks are assessed by the IB examiner.

Students need a high level of motivation and self discipline in order to work with their own ideas and projects (particularly in the second part of the program). They also need to devote considerable time to the study and making of art.

ADDITIONAL IB REQUIREMENTS

IB Theory of Knowledge (TOK)

Grades 11 and 12
1 credit
Full year

TOK is a fundamental, compulsory, part of the IB diploma programme, providing candidates with a unified approach to learning that transcends subject-specific boundaries. It aims to foster internationalism.

Students are led to engage in reflection upon, and questioning of, the bases of knowledge and experience; to be aware of subjective and ideological biases; to develop a personal mode of thought based upon critical examination of evidence and argument; to formulate rational arguments. TOK students are encouraged to demonstrate an understanding of the strengths and limitations of the various Ways of Knowing (Perception, Emotion, Reason and Language) and of the methods used in different Areas of Knowledge (Natural and Human Sciences, History, The Arts, Ethics and Mathematics).

IB Creativity, Action and Service (CAS)

Grades 11 and 12
Full year

In addition to being a requirement for the IB Diploma, CAS Activities are required of all IB students at ISS. CAS participation is intended to develop a student's artistic creation, physical well-being and commitment to serve the communities in which they live.

IB Extended Essay

Grades 11 and 12

Each student is required to investigate a topic of special interest which allows them to carry out the kind of independent research and writing skills expected by universities.

The IBO (International Baccalaureate Organization) recommends that students devote a total of about 40 hours of private study and writing time to the essay.

The majority of students *add depth to* their programmes of study, for example by selecting a topic in one of their higher level (HL) courses. Occasionally students choose to add *breadth* to their academic experience by electing to write in a subject not included in their programme choices.

Non-IB Elective Courses

In addition to their IB Diploma students are able to choose a non-IB Elective course for each semester. There courses are outlined as follow:

Model United Nations (MUN)

Grades 9-12

(two pre-school meetings per week)

0.25 credit

Semester

(This course may be taken several times for credit)

The model United Nations course is extra-curricular in its timing but students may gain credit on a pass/fail basis from their continuous involvement throughout the first semester. Model United Nations is an exercise which places students in the role of UN diplomats and their support staff preparing for a major conference on current world affairs. The procedures for lobbying, negotiation and debate are developed alongside the in-depth research of issues and national policies. Most students take part in an MUN conference during the semester, but this is not compulsory.

The International Award

Grades 11 & 12

0.5 Credit - Full Year

Or

0.25 Credit – Semester

Students may gain credit on a pass/fail basis from their involvement in activities throughout the semester / year

The International Award is a self-development programme available to HS students and to young people worldwide. The award is undertaken during school hours but is about individual challenges; students design their own programme. The goals are to make an impact on the community, to develop life skills and to develop perseverance and global awareness. The structure of the programme is divided into four sections: service, adventurous journey, skills development and physical recreation. The award offers three levels of achievement: Bronze, Silver and Gold. When signing up for the award, the student will receive an official record book. With the help of the Award leader, they will set their challenges within the four sections. For each activity students will need a mentor who will share their knowledge, supervise and guide them. The progress of each individual will be assessed on each of the four sections and will be based on a pass or fail grading system depending on their personal progress and commitment. Once all four sections have been completed successfully, the Award representative of the school will arrange the necessary authorization for the presentation of the award badges and certificate. There are quarterly options organized by ISS. Some of which may include a charge as participation is coordinated through organizations outside of ISS. Students may also structure their own activities which can be incorporated into the '*The International Award*' Programme. The course complements activities undertaken through the IB diploma CAS programme.

Yearbook

Grades 9-12

1 credit

Full year (this course may be taken more than once for credit)

Prerequisites: None

Aims: This course is an opportunity to both design and produce a record of the year at ISS. The yearbook serves as a medium for storytelling in copy and photographs from the perspectives of the individuals involved. It is an opportunity to gain a wealth of training: journalistic skills; information-gathering; reporting; conducting interviews; business management; photography; technological skills; computer-generated graphics; layout design; life skills; communication; problem solving; and project management.

Symphonic Band

Grades 9-12
0.5 credit
Full Year

Prerequisites: Students should have played a band instrument for two or more years. Beginners are considered, but they must consult with the band director.

Aims and Objectives: This course is for students who are interested in developing their music skills and growing personally by exploring different genres of music. Students will gain practice and skills in self-motivation, confidence, character building and self-discipline. Additionally, they will become better musicians by advancing their musical knowledge and pedagogy. Students will have the opportunity to perform in two major concerts and March in the 17 May (Constitution Day) parade.

Assessment: Methods of assessment include: students' playing of musical selections, assigned exercises, in-class playing, infrequent written assignments, home practice, and most importantly, the attitude and effort they bring to each rehearsal.

Symphonic Choir

Grades 9-12
0.5 credit
Full Year

Prerequisites: A love of singing and desire to strive for excellence.

Aims and Objectives: This course is for students who want to grow through music and become better vocalists and performers. Students will gain practice and skills in self-motivation, confidence, character building and self-discipline. Additionally, they will become better musicians and singers by advancing their musical knowledge and pedagogy. Students will have the opportunity to perform in two major concerts as well as other performances in the broader community.

Assessment: Methods of assessment include: students' singing of musical selections, in-class participation, home practice, and most importantly, the attitude and effort they bring to each rehearsal.

Physical Education 10-12

Grades 10-12
0.5 or 1 Credit

Prerequisites: None

Aims:

Participation in a multi-activity program, which aims to provide opportunities for students to improve their level of skills, fitness knowledge and understanding, and rules and refereeing. Students will develop skills to lead an introductory activity for each unit as well as warm up and cool down sessions.

How is this achieved?

Students will achieve this by participating in a range of team sports and related activities which include field hockey, football codes, basketball, badminton, volleyball, handball and track. There will be the option of experiencing sessions in golf, swimming, bowling, indoor rock climbing, mountain bike riding, and tennis. The emphasis of the program is to provide an enjoyable experience, to encourage participation, leadership, cooperation and to educate students about adopting a healthy active lifestyle in the wider community. Fitness and skill related fitness will be an ongoing process throughout the course of the program.

Assessment:

Grading 50% participation, 50% skills related. The assessment of the course is ongoing (assessment every lesson), with a particular emphasis on participation (effort and conduct) in each unit. The skills related assessment relates to development of individual skills (practical/theory). Students are also required to lead an introductory activity (with a partner) showing initiative, planning (submitting activity plan) and organisation. This will be ongoing for each unit.

PE schedule:

* Hockey	4 weeks
* Football/soccer	4 weeks
* Basketball	4 weeks
* Badminton	4 weeks
* Volleyball	4 weeks
* Handball	4 weeks
* Track	3 weeks
* Softball	3 weeks
* Optional activities	6 weeks (golf, swimming, bowling, climbing, mountain bike riding, tennis)

Aerobics and Total Body Conditioning

Grades 10-12

0.5 or 1 Credit

1 Semester

Prerequisites: None

Aims: Through participation in enjoyable and energetic sessions, the students will develop a knowledge and understanding of the following principles of fitness:

- Cardiovascular fitness
- Muscular Strength
- Muscular Endurance
- Flexibility and Relaxation
- Warm-up/Cool down
- Exercising safely
- Monitoring own fitness development
- Developing individual fitness programs
- Nutrition and Fitness

The students will participate in **Total Body Conditioning** sessions which will include:

- Low-impact and high -impact aerobic training
- Step Aerobics
- Yoga
- Pilates
- Some excursions for swimming/cycling/running/weight training/ice skating
- Dance - variety of dance styles and techniques
- Strength and Conditioning sessions
- Flexibility and Relaxation
- Cool Down sessions

Assessment:

The assessment of the course will be continuous and participation will amount to 80% of the grade. In addition, the students will closely monitor their own fitness improvement and development throughout the course.

Finally, students will be required to lead a session of the class demonstrating a knowledge and understanding of the chosen aspect of fitness (20% of grade).