

IB 2022

IB Number	International Baccalaureate Exams	(CEEBS 9223)	IB Score Requirement	Credits	ESU Equivalent Course	Attributes	SL Standard Course Description
Group 1: Language & Literature							
IB 0161	Language A: Literature	7Ayr	3 ENGL 163 GN: The Study of Literature	3	AML, C, G, I	SL.H	The course is organized into three areas of exploration and seven central concepts, and focuses on the study of literary works. Together, the three areas of exploration of the course add up to comprehensive exploration of literature from a variety of cultures, literary forms and periods. Students learn to appreciate the artistry of literature, and develop the ability to reflect critically on their reading, presenting literary analysis powerfully through both oral and written communication.
IB 0041	English A: Literature HL	5-7 Scores	6 ENGL 162 HIJEN: AEL, C	6	ENGL 103 ENGLISH COMP REQUIREMENT	SL.H	Literature course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A literature, the formal analyses of texts and close coverage of a variety of literature—both in the language of the subject and in translated texts from other cultural domains—is combined with a study of the way literary conventions shape responses to texts.
IB 0051	English B: HL	4-7 Scores	3 ENGL 162 GN: Intro Literary Analysis and Interpretation	3	ENGL 162 HIJEN: AEL, C	SL.H	The course is organized into three areas of exploration and seven central concepts, and focuses on the study of both literary or non-literary texts. Together, the three areas of exploration of the course allow the student to explore the language in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.
IB 0171	Language A: Literature and Language	7Ayr	3 ENGL 103 English Composition	3	ENGL 162 HIJEN: AEL, C	SL	The course is organized into three parts, each focussed on a different aspect of literature and performance. Together, the three parts of the course cover the critical study of literary texts, the exploration of chosen approaches to a text, and the realization of texts in performance. Students engage with a wide variety of textual forms to explore the concept of transformation, examining the ways in which the contents of production and reception shape meaning.
Group 2: Language Acquisition							
IB 0291	Classical Language: Latin HL	7Ayr	6 MLN 116 GN: Latin I	6	AML,C,G,HJFL	SL.H	The Diploma Programme course in classical languages provides opportunities for students to explore the languages, literatures and cultures of ancient Rome and Greece. The course is designed to enable students to study classical languages in higher education, and also welcome those students who seek to develop an awareness and appreciation of the different perspectives of peoples from classical cultures through the study of texts in the original language.
IB 0421	Classical Language: Greek (Ancient Greek) HL	7Ayr	6 MLN 199 GN: Elementary Ancient Greek	6	AML,C,G,HJFL	SL.H	The Diploma Programme course in classical languages provides opportunities for students to explore the languages, literatures and cultures of ancient Rome and Greece. The course is designed to enable students to study classical languages in higher education, and also welcome those students who seek to develop an awareness and appreciation of the different perspectives of peoples from classical cultures through the study of texts in the original language.
IB 0362	Mandarin ab Initio- Foreign Languages For Beginners	7Ayr	6 M.CA 192 GN: Elementary Chinese	6	AML, C, G, HJFL	SL.H	Mandarin ab initio is recommended for students with no previous formal experience of learning Mandarin. It will enable them to communicate with people from a new culture and make a success of their first year in a part of the world where Mandarin is commonly spoken.
IB 0303	French ab Initio- Foreign Languages For Beginners	7Ayr	6 M.FR 116 GN: French I	6	AML, C, G, HJFL	SL	French ab initio is recommended for students who have little or no experience of learning French. Our online course is designed to be challenging, engaging and a positive educational experience for each learner. Taking French ab initio online will enable students to receive, productive and interactive skills: learn with students and teachers from around the world, and function successfully in a French speaking environment.
IB 0384	Spanish ab Initio- Foreign Languages For Beginners	7Ayr	6 M.SP 199: Spanish I&II	6	M.SP 199: Spanish I&II	SL	Spanish ab initio is a course for students with no previous formal experience of learning Spanish. It will enable them to communicate with people from a new culture and make the most of any time they spend in Spain and Latin America.
Language B							
IB 0211	French B HL	7Ayr	6 M.FR 299 GN: Intermediate French	6	ADVO, AML, C, G	H	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course (and beyond those for language ab initio). The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Optional recommended topics and possible questions for each theme are presented in the guide, but are not prescribed.
IB 0251	German B HL	7Ayr	6 M.GR 299: Intermediate German	6	ADVO, AML, C, G	H	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course (and beyond those for language ab initio). The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Optional recommended topics and possible questions for each theme are presented in the guide, but are not prescribed.
IB 0451	Italian B HL	7Ayr	6 M.IT 299 GN: Intermediate Italian	6	ADVO, AML, C, G	H	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course (and beyond those for language ab initio). The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Optional recommended topics and possible questions for each theme are presented in the guide, but are not prescribed.
IB 0381	Spanish B HL	7Ayr	6 M.SP 299 GN: Intermediate Spanish	6	ADVO, AML, C, G	H	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course (and beyond those for language ab initio). The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Optional recommended topics and possible questions for each theme are presented in the guide, but are not prescribed.
IB 0441	Portuguese B HL	7Ayr	6 M.PG 299 GN: Intermediate Portuguese	6	ADVO, AML, C, G	H	Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course (and beyond those for language ab initio). The language B syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Optional recommended topics and possible questions for each theme are presented in the guide, but are not prescribed.
Group 3: Individuals and Societies							
IB 0111	Business Management	7Ayr	3 MGT 200 Principles of Management	3	none	SL.H	Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the socio-cultural and economic contexts in which those organizations operate. The course covers the key characteristics of business organization and environment and the business environment. Focuses on strategic management. The course encourages the application of ethical concerns at both a local and global level. It aims to develop relevant and transferable skills, including the ability to think critically.
IB 0151	Economics	7Ayr	6 ECON 111 GN: Principles of Microeconomics	6	ECON 111: SSCC, CEC, G	SL.H	make ethically sound and well-informed decisions: appreciate the pace, nature and significance of change; think strategically; and undertake long term planning, analysis and evaluation. The course also develops subject-specific skills, such as financial analysis.
IB 0211	Geography	7Ayr	3 GEOG 130 GN: World/Regional Geography	3	SSGE, CDE, G	SL.H	Integrates both physical and human geography, and ensures that students acquire elements of both scientific and socio-economic methodologies. Examines key global issues, such as poverty, sustainability, and climate change.
IB 0221	Global Politics	7Ayr	3 POLS 117 GN: Intro Global Politics	3	CPG, G, SPSS	SL.H	Explores fundamental political concepts such as power, equality, sustainability, and peace. Allows students to develop an understanding of the local, national, international, and global dimensions of political activity.
IB 0251	History	7Ayr	3 HST 113 GN: World History since 1500	3	SSH, CH, G	SL.H	A world history course based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation, and significance. Involves the study of a variety of types of history, including political, economic, social, and cultural.
IB 0451	History	7Ayr	3 HST 113 GN: World History since 1500	3	SSH, CH, G	SL.H	A world history course based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation, and significance. Involves the study of a variety of types of history, including political, economic, social, and cultural.
IB 0271	Information Technology in Global Society	7Ayr	3 CPSC 103 GN: Intro to Information Technology	3	NSCS, BCS	SL.H	Framework uses an integrated approach, encouraging students to make informed judgments and decisions about the role of information and communication technologies in contemporary society. Based on three interconnected strands: social and ethical significance; applications to specified scenarios; and IT systems.
IB 0321	Philosophy (A)	7Ayr	3 PHIL 110 GN: Intro to Philosophy	3	HJPH, APH, C	SL.H	A systematic critical inquiry into profound, fascinating, and challenging questions such as: What is it to be human? Do we have free will? What do we mean when we say something is right or wrong?
IB 0341	Psychology	7Ayr	3 PSY 101 GN: Intro to Psychology	3	NSPY, SPF	SL.H	Systematic study of behavior and mental processes. Examines the interaction of biological, cognitive, and sociocultural influences on human behavior.
IB 0361	Social and Cultural Anthropology	7Ayr	3 SOC 102 GN: Intro Cultural Diversity	3	SSSO, CSO, G	SL.H	Offers an opportunity for students to explore and understand humankind as it diversely through the comparative study of culture and human societies. Contributes to an understanding of contemporary issues, such as war and conflict, the environment, poverty, injustice, inequality, and human and cultural rights.
IB 0381	World Religions	7Ayr	3 PHIL 100 GN: Intro to Religion	3	APH, G, HJPH	SL.H	A systematic, analytical, yet empathetic study of the variety of beliefs and practices encountered in nine major religions of the world. Seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions.
Group 4: Sciences							
IB 0101	Biology	7Ayr	4 BOL 114 GN: Introductory Biology I	4	NSBI, BB	SL.H	Biologists investigate the living world at all levels using many different approaches and techniques. At one end of the scale is the cell, its molecular construction and complex metabolic reactions. At the other end of the scale biologists investigate the interactions that make whole ecosystems function.
IB 0121	Chemistry	7Ayr	4 CHEM 121 GN: General Chemistry I	4	CHEM 121: NSCH, BCH	SL.H	Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills.
IB 0131	Computer Science	7Ayr	6 CPSC 130 GN: Intro to Computer Programming I	6	CPSC 130: NSCS, BCS	CPSC 131: NSCS	A rigorous and practical problem-solving discipline. Computational thinking lies at the heart of the course and is integrated with other topics. This will be supported by practical activities including programming.
IB 0411	Design Technology	7Ayr	3 CPSC 299: Design Technology	3	NSDT, BDT	SL.H	Aims to develop internationally-minded people whose enhanced understanding of design and the technological world can facilitate our shared humanity of the planet and create a better world. Focuses on analysis, design development, synthesis, and evaluation.
IB 0384	Environmental Systems and Societies	7Ayr	3 BOL 210 GE: Environmental Biology	3	NSBI	SL	Students will be provided with a coherent perspective of the interrelationships between environmental systems and societies, one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face.
IB 0301	Physics	7Ayr	8 PHYS 131 GN: Fundamentals Physics I	8	PHYS 131: NSPH, BPH	PHYS 132: NSPH ADD	The most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles to the vast distances between galaxies.
IB 0321	Sports, Exercise & Health Science	7Ayr	4 EXSC 100 Intro to Exercise Science	4	none	SL.H	Incorporates the disciplines of anatomy and physiology, biomechanics, psychology, and nutrition, which are studied in the context of sport, exercise, and health.
Group 5: Mathematics							
IB 0301	Mathematics (HL)	7Ayr	3 MATH 135 GN: Pre-Calculus	3	NMA, BMA	H	Having followed the mathematics higher level course, students will be expected to demonstrate the following: Knowledge and understanding: recall, select and use knowledge of mathematical facts, concepts and techniques in a variety of familiar and unfamiliar contexts; Problem-solving: recall, select and use their knowledge of mathematical skills, results and models in both real and abstract contexts to solve problems; Communication and interpretation: transform common realistic contexts into mathematics; comment on the context, sketch or draw mathematical diagrams; graphs or constructors both on paper and using technology; record methods, solutions and conclusions using standardized notation; Technology: use technology, accurately, appropriately and efficiently both to explore new ideas and to solve problems; Reasoning: construct mathematical arguments through use of precise statements, logical deduction and inference, and by the manipulation of mathematical expressions; Inquiry approaches: investigate unfamiliar situations, both abstract and real-world, involving organizing and analyzing information, making conjectures, drawing conclusions and testing their validity (course includes: Algebra, Functions and Equations, Circular Functions and Trigonometry, Vectors, Statistics and Probability, Calculus).
IB 0302	Mathematics Studies (SL)	7Ayr	3 Math 299 Mathematics Studies	3	none	SL	The IB DP mathematics studies standard level (SL) course focuses on important introductory mathematical topics. The syllabus focuses on plotting more emphasis on student understanding of fundamental concepts than on symbolic manipulation and complex manipulative skills; giving greater emphasis to developing students' mathematical reasoning rather than performing routine operations; solving mathematical problems embedded in a wide range of contexts; using the calculator effectively. There is an emphasis on applications of mathematics and statistical techniques. It is designed to offer students with varied mathematical backgrounds and abilities the opportunity to learn important concepts and techniques and to gain an understanding of a wide variety of mathematical topics, preparing them to solve problems in a variety of settings, develop more sophisticated mathematical reasoning and enhance their critical thinking (course includes: Numbers and algebra; descriptive statistics; topic sets, and probably: statistical applications, geometry and trigonometry, mathematical models, introduction to differential calculus).
IB 0303	Mathematics (SL)	7Ayr	3 Math 199 GE: Mathematics	3	NMA	SL.H	The IB DP mathematics standard level (SL) course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than reading on the mathematical rigour required by mathematics HL. Students should, whenever possible, apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context. (course includes: Algebra, Functions and Equations, Circular Functions and Trigonometry, Vectors).
IB 0304	Further Mathematics (HL)	7Ayr	3 MATH 199 GE: Future Mathematics (HL)	3	none	SL.H	The IB DP further mathematics higher level (HL) course caters for students with a very strong background in mathematics who have attained a high degree of competence in a range of analytical and technical skills, and who display considerable interest in the subject. The nature of the subject is such that it focuses on different branches of mathematics to encourage students to appreciate the diversity of the subject. Students should be equipped at this stage in their mathematical progress to begin to form an overview of the characteristics that are common to all mathematical thinking, independent of topic or branch. (course includes: Linear algebra, Geometry, Statistics and probability, Sets, relations and groups, Calculus, Discrete mathematics).
IB 0601	Further Mathematics (HL)	7Ayr	3 MATH 199 GE: Future Mathematics (HL)	3	none	SL.H	The IB DP further mathematics higher level (HL) course caters for students with a very strong background in mathematics who have attained a high degree of competence in a range of analytical and technical skills, and who display considerable interest in the subject. The nature of the subject is such that it focuses on different branches of mathematics to encourage students to appreciate the diversity of the subject. Students should be equipped at this stage in their mathematical progress to begin to form an overview of the characteristics that are common to all mathematical thinking, independent of topic or branch. (course includes: Linear algebra, Geometry, Statistics and probability, Sets, relations and groups, Calculus, Discrete mathematics).
Group 6: The Arts							
IB 0261	Dance	7Ayr	3 DANC 115	3	AFA, A	SL.H	The course focuses on the composition, performance and analysis of dance, or "expressive movement," which is practised amongst peoples of various backgrounds, and for a variety of purposes, throughout the world. Students create, participate in, and reflect upon dance forms and styles from a range of cultures and traditions, both familiar and unfamiliar.
IB 0161	Film	7Ayr	3 ENGL 299: Literature & Performance	3	HJFA, AFA, A	SL.H	Aims to develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and through practical exercises in film production, the film course develops students' critical abilities and their appreciation of artistic, cultural, historical, and global perspectives in film.
IB 0311	Music	7Ayr	3 MUSC 10	3	HJFA, AFA, A	SL.H	Students develop their knowledge and potential as musicians, both personally and collaboratively. Expresses students to forms, styles, and functions of music from a wide range of historical and socio-cultural contexts.
IB 0391	Theatre Arts	7Ayr	3 THTR 100	3	HJFA, AFA, A	SL.H	Encourages discovery through experimentation, the taking of risks, and the presentation of ideas to others. Gives students the opportunity to make theatre as creators, designers, directors, and performers. Emphasizes the importance of working both individually and collaboratively as part of an ensemble.
IB 0411	Visual Arts	4-7 Scores	3 ART 20	3	HJFA, AFA, A	SL.H	Encourages students to learn create and cultural expressions and boundaries. A thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers.