Enhance your students’ learning experiences with study in an international setting in Vancouver, BC Canada! We welcome each university to organize a group of students to study course packages in the beautiful campus of the University of British Columbia.

Many course packages have a minimum and maximum class size, so we encourage you to register your students early. Course packages that do not have the minimum number of students will not be offered, but students may transfer to other packages.

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Applied Science-Civil Engineering

Civil Engineering Materials Package

Civil Engineering Materials
The structure and properties of common Civil Engineering materials: Portland cement concrete, asphalt concrete, timber and steel. The emphasis is on the relationship between the structure of these materials and their mechanical properties and durability. Will include field visits to construction sites and presentations from industry personnel.

Project Based Learning in Civil Engineering Materials
Some topical problems will be identified in the performance of civil engineering materials such as Portland cement concrete, asphalt concrete, timber and steel, and students in groups will carry out laboratory and field experiments to study the materials involved. This is a laboratory based course where site-visits and external consultations are an integral requirement.

Applied Science - Electrical and Computer Engineering

Renewable Energy and Power Conversion Package

Introduction to Renewable Energy Systems
Do you want to save the planet with green power? This course covers the fundamentals of renewable energy systems and includes topics on energy storage, power generation, distribution, transportation, and consumption. We will start with an introduction to carbon emissions, climate change, and

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environmental pollution to emphasize the importance of sustainability. Students will learn about solar, wind and ocean power generation. Grid connection and microgrids will be explained, as well as battery storage and fuel cell systems. Modern loads such as LED lights and electric vehicles will be discussed around the concept of demand side management. Students will gain skills on these emerging and keys areas of green power and will have the opportunity to consider several case studies/examples. The course includes some tutorials and demonstrations using simulation software and physical equipment. What could be more important? The global energy markets will be dominated by renewables in the future - the planet will depend on engineers with a strong background in green power.

**Electricity and Conversion for Renewable Power**
How do we make renewable power generation happen? Renewable energy sources such as wind, solar, and ocean are intermittent and fluctuating. Changes in sun irradiance during the day, in wind speed variation, and changing ocean tidal velocity produce fluctuations in power generation. This course covers the fundamental of electricity and power conversion to transform variable/fluctuating energy into high quality power required to supply loads. The principles of power conversion for AC and DC system will be covered. Application examples will include topics such as power converters for battery chargers, solar inverters, wind/ocean power conversion, and traction for electric vehicles. The course will provide a strong theoretical background and enable students to understand renewable power conversion at the system level. A practical/applied component will be included, providing the student with real-world problem solving scenarios, laboratory experiences and visits to UBC state of the art power facilities.

**Architecture and Landscape Architecture**

**Architecture Package A - Urban Landscape Architecture**

*Design in the public realm*
Vancouver is known as a livable and sustainable international city. An important aspect of the city's livability is the design of its public realm — publicly owned parks, greenways, waterfronts, streets and squares. A well designed public realm provides places for people to gather, socialize and recreate, encourages active transportation, maintains spaces for the urban forest and vegetation to thrive and contributes other environmental services to the city. In this course students will learn how a well-planned and designed public realm supports livable neighbourhoods and provides important social and environmental services to the city. Students will learn how to document and assess public spaces in the city and will visit and study the City’s best examples of public realm design.

*Landscapes and parks of the Vancouver region*
Vancouver is a beautiful and sustainable city in a dramatic natural setting. What role do the natural areas in and around the city play in sustaining a metropolitan area such as Vancouver? This course will introduce how urban natural areas clean air and water, sustain wildlife, and provide psychological and other health benefits to people. Students will learn about the most important environmental services and human benefits provided by the large parks and natural areas in the Vancouver region; and will hike
or bike on guided field trips to some of the region’s most important and instructive landscapes, open spaces and parks.

**Architecture Package B - Making by Design**

*Fabrication techniques for design*
This course introduces foundation techniques of fabrication used by designers in design studio settings. Students will learn techniques and processes of visualization and modelling useful to the rapid conceptualization and iteration of ideas and prototypes customary in a design studio. These include manual techniques (such as diagramming, concept drawing and model making) and digital techniques (such as laser cutting, 3-d printing, computer numeric controlled cutters and robotics).

*Integrating design and fabrication*
This course teaches students to integrate foundation techniques of design studio scale fabrication (from Course 1) with a creative design process. This course meets in design studio format in which students learn to design and produce a prototype of a smaller scaled product or construction (such as a toy, birdhouse or furniture piece).

**Arts**

**International Finance, Trade and Politics Package**
This package combines the Vancouver School of Economics (VSE), a global centre for research and hands-on learning about pressing economic issues, ranked in the top 20 worldwide and number one in Canada, and UBC’s highly regarded Political Science Department. The only two British Columbians to become Prime Minister of Canada – John Turner and Kim Campbell – graduated from this department.

*International Trade and Financial Markets*
The modern global economy is intricately tied together through networks of trade and financial interconnections. This course will give students an understanding of the structure and function of international trade and international financial markets. The course will give a basic introduction to the forces driving international trade in goods and financial assets among nations of the world. The major theories of international trade and financial markets will be reviewed. Topics covered will include the determinants of a country’s trading pattern, recent trends in international trade such as offshoring and global supply chains, the role of financial markets in international development, the future of the Renminbi as an international currency, the understanding of international financial crises, and sovereign debt crises.

*Dynamics of Democracy and Global Uprisings*
This course deals with some of the key concepts of political science, matching them with developments around the globe. We begin by considering some of the concepts and controversies in defining democratic and non-democratic systems. How do we tell democratic systems from non-democratic ones? Are all democracies the same, or at least similar? Is citizen satisfaction a distinctive quality of those regimes? We then link these discussions to the rising waves of global discontent around the globe. The seemingly-universal quality of these
uprisings give a strong indication that the struggles we are witnessing are no longer over democracy versus other systems; instead, what seems to be at issue are the meanings and practices largely associated with democratic regimes, the expectations of people, and what regimes provide. Finally, we focus on specific uprisings, chosen by the students, in an attempt to contextualize our discussions and make sense of recent global developments in an informed, thoughtful manner.

Business

Business Package A – International Business Management and International Marketing

International Business Management
Development of general environmental framework for international business studies by drawing on international and development economics, research into government-business relations and studies in comparative socio-cultural systems and political systems. This course is taught from the perspective of a senior manager. It analyzes the decisions made by firms in an international context. To do so it combines material from strategy, international finance, marketing, human resource management, positive trade theory, institutional trade policy, and other areas. It will emphasize the use of analytical tools and the development of oral and written communication skills. By design, the course is integrative, implying that there is some overlap with material taught in international marketing and finance courses.

International Marketing
An analysis of the scope and significance of contemporary international business operations with particular reference to the marketing management problems encountered by firms with multinational branches and subsidiaries. Through lecture material and practical assignments, students will explore a broad range of international marketing issues and concepts. With a focus on strategic problem solving, you will learn the use primary and secondary research tools in objectively evaluating international market potential and risk. The marketing process is examined in detail, including strategic market planning, product, pricing and promotional decision-making, and marketing management. The course is taught with a hands-on approach and providing you with abundant time to employ knowledge learned to advance your term project.

Business Package B – Introduction to Marketing and Management and Organizational Behaviour

Introduction to Marketing
This course is designed to provide a broad introduction to the field of marketing and basic considerations affecting the domestic and international marketing of goods and services. Marketing is far more than just selling or advertising within a business setting; it is a major part of everyday life. This course will illustrate the importance of marketing and will help you develop fundamental marketing knowledge and skills applicable to all specializations within business.
Management and Organizational Behaviour
The primary objective of this course is to teach you about the effects of organizational structures and interpersonal processes on the behaviour of individuals in organizations and the wider implications for the effectiveness and success of organizations. This course will expose you to frameworks, approaches and behaviours that can help in effectively participating, leading and managing in organizations. Research has shown that effective people management is an important contributor to organizational success. The emphasis will be on creating effective leaders and team members through a better understanding of motivation, working in teams, power and influence, leadership and navigating organizational culture and change. All this will help participants contribute to the success of themselves and their organizations.

Education

Education Package A – Teaching and Learning English
This package offers students a practical introduction to the theory and practice of teaching English. Both courses are designed for pre-service and in-service English teachers. Beginning with a close examination of English as a linguistic system, a means of communication, and a sociocultural practice, the package also considers a variety of approaches to the teaching of English, and provides a full range of teaching techniques and strategies.

Applied Linguistics for English Teachers
Successful language teachers need to understand more than just the structure and nature of the language(s) they teach: they also need to develop an understanding of the social, cultural, and ideological implications of language and language education. Language classrooms are diverse, multilingual, multicultural and multimodal places, presenting students and teachers with unique challenges. This course serves as a general introduction to theory and research concerning these issues as they relate to learning and teaching, from the perspective of applied linguistics. Topics to be discussed include: theories of first and second language learning; the relationship of theoretical issues in applied linguistics to educational practice; language variation; language attitudes and ideologies; world Englishes; language and globalization; language policy; language and gender; language and race, and more.

Introduction to Teaching and Learning English
This course provides a general theoretical overview of and some practical preparation for English language teaching (ELT). Its scope is diverse as it considers approaches to language teaching, a range of teaching techniques and strategies, learner needs, instructional contexts, assessment, and sociocultural concerns, as they pertain to teaching English in a variety of contexts. The course examines ways to teach listening, speaking, reading, writing, grammar, and vocabulary but always with a view to integrating these skills. Students will have the opportunity to contribute to and learn from active engagement in discussions on contemporary ELT issues and topics.

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Education Package B – Language in Canada and beyond
Canada is a country rich in languages. There are over 60 Indigenous languages, and the two languages of the original colonial settlers – English and French. And then there are the hundreds of languages brought to Canada by immigrants from around the world. The result is a multilingual, multicultural country that provides a perfect location for the study of English as a living, changing language. The courses in this package are designed to help students improve their own written and spoken English while they investigate the ways in which language works in different settings and across cultural spaces.

Language practices in Canada: A multilingual land
Successful language learners need to understand more than just the structure and nature of the language(s) they learn. Through in-class interactive sessions and field trips, this introductory course provides a broad and coherent overview of diverse language practices across multilingual contexts (such as Canada) and explores how this diversity impacts language learning and teaching. Students will have an opportunity to reflect on their own language choices in different contexts and develop critical thinking and collaborative work skills through class discussions and assignments. Topics to be discussed include: language variation according to age, ethnicity, class, race and gender; language variation in sports, entertainment, work, and the arts; language attitudes and ideologies. By the end of the course, students will be able to analyze functions of language in society and achieve a deeper understanding of how key course themes and concepts operate in language teaching and learning in multilingual contexts.

Language across borders and boundaries
Being able to communicate in multiple contexts and cultures is an important prerequisite for living and working in an increasingly globalized world. This course will provide students with an understanding of the diverse strategies of language use in and beyond the classroom. The course will help students to adapt their own language practices to a wide variety of social and cross-cultural settings and to analyze the language use of others. Diverse approaches to conceptualizing and analyzing language in use will be introduced. By the end of the course students, will be familiar with key sociolinguistic concepts, will have developed effective strategies for enhancing their language use in multiple settings, and be able to apply course content to helping others with their language use. Suitable for both students and teachers of English.

Education Package C – Classroom Management and Behavioural Assessment

Classroom Management
The course is designed to empower educators to develop a positive classroom climate and an effective learning environment in which teachers and their students engage in meaningful and successful learning experiences together. To achieve this goal, students will be introduced to current, evidence-based practices in school-wide, classroom and individual behaviour support. Classes will include lecture, discussion and small group activities that provide opportunities to develop skills in the application of these practices. Specific objectives of the course include developing student knowledge and skill in: (a) a proactive, preventive approach to classroom management; (b) school-wide positive behaviour.

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support; (c) the design of a positive classroom environment; (d) the development of positive, nurturing relationships with students; (e) the use of positive reinforcement to strengthen prosocial behaviour; and (f) effective ways to respond to problem behaviour.

Assessment and Positive Behaviour Support in School and Community Settings
The course introduces students to the philosophy and methods of behavioural assessment and positive behaviour support with persons who engage in challenging behaviour in school and community contexts. Specific objectives of the course include developing student knowledge and/or skill in: (a) basic principles of behaviour change; (b) the features and values of positive behaviour support; (c) ecological assessment of environments and functional assessment of persons with challenging behaviour; (d) the completion of summary hypothesis statements and competing behaviour pathway diagrams; (e) the design of multi-component behaviour support plans that are logically-linked to assessment results; and (f) the design of plans that are both technically sound and contextually-appropriate.

Education Package D- Culture, Creativity, and Learning Technologies
The Department of Curriculum and Pedagogy is on the cutting edge of implementing digital learning technologies across the curriculum in 21st century K-12 and university classrooms. Our professors infuse new media across the curriculum in ways that engage and inspire learners and are leaders in research of these ideas. This complementary course package will provide students with both theoretical and project-based learning, rooted in solo and collaborative contexts, as is fitting to exploring the uses and creation of digital learning tools, theories of digital learning, and international perspectives of the role of digital learners and curriculum.

Digital Media in Arts Education
This course is an introduction to teaching and learning with digital technologies through the creative arts. Beginning with an exploration of curriculum and pedagogy from an arts-based technological perspective, we will examine the multiple opportunities and challenges arising from using digital technologies to approach the creative arts in educational contexts. Using an up to date laboratory of computers, iPads, and synthesizers - students will work together in exploring digital music, video, photography, and other creative arts apps and software used in educational settings. Participants will take an active role in their learning processes - including setting goals, researching creative digital tools, engaging in peer-evaluation, participating in discussions, doing presentations, writing reflections, and seeking out relevant research readings and resources. This course will help students build a foundation for critical thinking about education, digital media, and the creative arts.

Learning Technologies and Creativity in the Digital Age
This course offers students a space to create and a community to explore ideas about integrating learning technologies in primary and secondary classrooms. Students will engage in this course as instructional designers, content creators, and tinkerers working together on personally or pedagogically meaningful projects. Learning involves defining problems and generating solutions, questioning assumptions, exercising ingenuity, prototyping, and experimenting with diverse ideas, materials, and

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perspectives. The educational philosophy underlying this course emphasizes project-based learning with digital media and technology. Students will have diverse opportunities to design innovative learning environments and create digital learning artifacts and resources. No background knowledge or experience is required for this package. Students will benefit from creative instructional strategies and technology-supported learning activities.

**Education Package E - Early Childhood Education and Development**

Our early childhood courses focus on creating exceptional educational programs for children between the ages of three to eight. The courses are carefully designed to introduce international students to research and theory pertaining to the education of young children. International students will be provided with opportunities to learn how theory is connected to practice by engaging in field study activities such as observing in early childhood classrooms and studying educational materials and resources that are used in Canadian early childhood classrooms.

**Designing High Quality Curriculum in Early Childhood Settings**

This course addresses the notion that children are natural learners. Students will learn about, discuss, and clarify important concepts and theories relative to early childhood education, including child development theory and the holistic nature of learning in the early years. The course highlights the idea that young children’s innate capacity to learn and teachers’ responses to children’s inquiries provide the foundation for the development of high quality early learning experiences for young children and impacts the type of programming that is created. Students will learn about designing appropriate daily routines and implementing teaching strategies for integrating different areas of learning, such as literacy, math, science, and art through inquiry and project-based learning. The course will also include observations in local early childhood settings.

**Creating Environments to Support Learning in Early Childhood Settings**

This course introduces students to the significant role that designing stimulating and nurturing early childhood classroom environments plays in children’s learning and in supporting all aspects of their development and growth. Students will learn about creating dynamic indoor and outdoor learning spaces for young children and the importance of providing children with original and natural educational materials and resources. The course will include visits to local state-of-the-art early childhood environments for young children.

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Forestry

Urban Forestry Package

An Introduction to Urban Forestry

This course will provide a general introduction to the concept of Urban Forestry and why this is an important topic in today’s rapidly urbanizing society. There is a growing need to adapt to multiple impacts of climate change; and increasing demand from the public for the recreational, psychological and health benefits that green-space networks provide. With increased urban populations, global warming, urban heat islands, flooding and pollution, cities may become unlivable or demand massive energy-use for cooling, unless we can establish large scale, healthy urban forest systems.

Green-Space Management in North America

Urban forestry is about planning and managing urban green-spaces and ecosystems for human welfare, ecological health, and protection of our cities’ support systems. Urban forest networks, parks, wetlands, and other green infrastructures are vital in moderating heat waves and cooling demands, maintaining biodiversity and carbon sinks, controlling forest fires, storm-water flood mitigation, bio-energy production, etc. Urban Forests improve and protect our health, property values, local jobs and businesses, outdoor recreation opportunities, and community character. This course will give the students an introduction to the importance of understanding urban forestry in the face of today’s rapid urbanization as forests and green systems compete for space among buildings, roads/transit, storage facilities, and energy infrastructure.

Students will be able to experience the concepts learned in class through fieldtrips and class activities. Past participants have been taken on fieldtrips to various locations around the Greater Vancouver area including Surrey, North Vancouver and Stanley Park. There was also a tour of the UBC Botanical Gardens as well as other guided walks through the UBC campus designed to demonstrate the many facets of urban forestry.

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Medicine

Medicine Package A – Clinical Research and Clinical Medicine

*Introduction to Clinical Research in the Sciences (Pediatrics)*
This course provides a window into how clinical research is conducted in the medical sciences. Research methodologies, research process, ethical considerations and practical tips for conducting high-yield, evidence-driven research with patients will all be presented and discussed. The course includes lectures, workshops and a hands-on mentored individual research project by students that will be presented at the end of the course. A wide variety of health care providers and medical educators will participate in the course and provide examples of research conducted at UBC and other academic institutions. Engaging speakers, visits to clinical research facilities and effective mentorship techniques will provide students with a once-in-a-lifetime opportunity to take part in the most advanced learning in basic clinical research.

*Introduction to Clinical Medicine at the Bedside (Pediatrics)*
This course will bring medical and science students close to the real life of medicine in the 21st century. Students will be able to meet up close with practicing clinicians who manage complex patients every day as part of their work in the hospital and clinic setting. Using advanced teaching tools such as medical simulation, and together with experienced physicians from multiple disciplines of medicine, students will learn how to approach patients with medical history taking, physical examination, development of a medical differential diagnosis, and will gain knowledge in determining the need for investigations in order to reach a diagnosis and develop a treatment plan. A combination of lectures, simulation labs, case-based workshops and visits to laboratory and clinical areas, will enhance the hands-on experience and understanding of the medical and other sciences.

Medicine Package B – Introduction to Population and Public Health

Population and public health focus on the health of populations and communities, asking questions like ‘why are some people healthy and others not?’ and ‘how can we proactively improve people’s well-being?’. These topics are important to students interested in medicine or health sciences because they provide a broader prospective on the notion of health and what it means. The course also provides students the skills and knowledge to begin advocating for health equity and seeking ways to promote health on a large scale. Through presentations, problem-based learning, group assignments, class discussions and field trips, students will expand their understanding of health and consider how to apply these ideas in their home countries and elsewhere.

*Social Determinants of Health (Population and Public Health)*
In this course you will broaden your understanding of how social factors, such as skin colour and income, affect population and public health. We will explore the meaning of health and its measurement, and examine what influences the health, well-being and quality of life of individuals, families, communities
and nations. You will gain an understanding of the complex pathways through which social circumstances affect health and well-being, and hands-on experience thinking through real world problems. Lectures in class are followed by interactive group activities and trips outside of the classroom to explore health promotion services in Vancouver. This class will bring a new light to your understanding of the factors that affect health, and challenge you to think differently about what we can do as a society to decrease health inequities.

**Introduction to Population and Public Health Practice (Population and Public Health)**
This course addresses the question of how we can respond to population and public health concerns. It introduces the student to key perspectives and frameworks that are used to inform activities that can improve the health of individuals, families, communities and nations. Potential approaches to preventing disease and improving health, such as a focus on the prevention of disease, screening for disease, the implementation of monitoring and surveillance systems, and the treatment of disease will be covered. Key frameworks such as types of prevention (i.e. primary, secondary, tertiary), and evaluating the cost and effectiveness of activities will also be considered.

**Medicine Package C – Health Care and Living with Long-term Conditions in the Community**

**Health care and living with long-term conditions (Occupational Science & Occupational Therapy)**
The World Health Organization has identified a critical need for comprehensive health and social programs to address the “global burden” of chronic illness and long-term disability. This course will provide an exploration of long-term conditions and how these affect activity and participation in everyday life. Drawing on individuals “lived experiences” across the life span and continuum of care, a case-based curriculum will include topics related to: infants in neonatal intensive care, children with a variety of diagnosis, teens and adults coping with mental health diagnosis, and populations living with mobility impairments. Experiential sessions will include field trips, incorporating elements of universal design, working with a variety of devices and adaptations, and trialing ambulation aides. This unique course will enhance understanding of disability, the experience of living with chronic conditions, and the need for community integration in the context of the unique Canadian health care system. Learning approaches will include short talks and demonstrations from clinical experts and researchers, experiential sessions, video cases, and tutorials.

**Strategies for Cognitive, Psychosocial and Rehabilitation Management of Long-term Conditions (Occupational Science & Occupational Therapy)**
This course advances knowledge from the first course and will provide an introduction to various rehabilitation assessment methods and intervention strategies for the evidence-based management of long-term chronic conditions in everyday life. Examples of topics covered include using evidence in practice, assessing and managing living with pain, assessment and training in the advance use of manual...
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