

Vancouver Summer Programs 2014

Course Package Offerings

Enhance your students' learning experiences with study in an international setting in Vancouver, BC Canada! Each university will organize a cohort of a minimum of 24 students who will study the same two course package all in the beautiful campus of the University of British Columbia. We are also open to your ideas for courses in other areas. If you do not have 24 participants, your participants will join participants from other universities who will study the same package. For further information, please visit our website at <http://vpacademic.ubc.ca/ubc-vancouver-summer-programs> or contact us at:

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Architecture

Sustainability by Design;

The Design of the North American Sustainable City and its implications for the World

This class will introduce the basic principles of sustainable urban design with tours of internationally significant local examples. Relevance of these examples to global development is isolated and discussed. A typical day includes a lecture focusing on one principle of sustainable city design, followed by a tour of a place in the region where this principle is obvious. Students will be exposed to significant suburban, urban, and downtown developments. Course material is framed and delivered in the form of seven simple and related principles of sustainable urbanism.

Perspectives on the Development of the City of Vancouver

This class will cover the development of the City of Vancouver from the eyes of those who were a part of it. There will be tours and special presentations from those who played a role in specific development projects. Students will gain an insight into both the practical and theoretical considerations that have led to the city as we know it. The course will be taught by Sam Sullivan who served for 15 years as both City Councillor and Mayor and currently serves in the BC Legislature as the representative for Downtown Vancouver.



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Arts

Package A Communication and Journalism

Culture and Communication

Critically examine the relationship between language and culture by covering key debates in the field such as animal vs. human communication, language change and language standardization. Explore how language is involved in cultural constructions of race, gender, class and ethnicity. Analyze how language has been understood in relation to power, political economy and language ideologies.

Global Journalism

This course will examine the development of media technologies, their applications, and their cultural, political and social impacts. Students will also gain hands-on experience to learn how to think and operate like a professional journalist in a simulated multimedia environment. It is designed to introduce students to the grammar and syntax of media across platforms, based on a core journalistic skill set of interviewing, reporting, news writing, and research methods in tandem with the most current technical tools.

Package B Politics and Sustainability

International Politics

Designed to introduce students to the field of global politics and international relations, this course will examine international relations theory, decision-making analysis, international security and conflict management, the evolution and future of the international economy, development, the role of institutions and non-state actors, globalization, and the politics of climate change. The course material is oriented toward issues of contemporary and future relevance, and students will be expected to incorporate current issues into their work.

Sustainability

This course critically examines environmental resource issues from an interdisciplinary perspective, drawing from both the social and natural sciences to build more robust understandings of human – environment interactions. Students explore key environmental concepts such as sustainability; natural resources; complexity; systems thinking; ecosystem dynamics; risk and uncertainty; regulation and governance; and human environmental impact. Concepts of sustainable environmental management are applied to the examination of four hotly debated global resources: water, energy, forestry, and fisheries.



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Business

Package A International Business and 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.

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.

Package B Introduction to Marketing and Organizational Behaviour

Introduction to Marketing

Basic considerations affecting the domestic and international marketing of goods and services. This course is designed to provide a broad introduction to the field of marketing. 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.

Organizational Behaviour and Management

Behaviour in organizations as it affects people as individuals, their relationships with others, their performance in groups and their effectiveness at work. 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.

Dentistry

Oral Cancer: Why haven't the clinical outcomes improved?

Cancer of the oral tissues is the 6th most common type in the world. In some developing countries oral cancer is much more common due to oral habits and exposure to chemicals that can cause cancer. The five year survival rates for oral cancer remain low with nearly half of all the affected individuals dying from the disease. Early diagnosis of oral cancer is the most effective approach to decrease the mortality and morbidity. Pre-malignant lesions exist that have a much higher chance of becoming oral cancer and the recognition and management of these lesions can prevent cancer development. Oral cancer occurs in an anatomic location that is amenable to early diagnosis. Many techniques have been developed to aid in the recognition and diagnosis of both pre-malignant and malignant oral lesions. In this course the development of oral cancer, the clinical signs of the condition, the clinical and laboratory procedures for



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diagnosis and the long term consequences of an oral cancer diagnosis will be covered.

Dental Caries: the most common infectious disease in humans

Dental caries affects more than 90% of all humans. The disease requires a combination of bacteria, a sugar and a susceptible mineralized tooth surface. The bacteria metabolize the sugar and a by-product is acid. The acid removes mineral from the surface of the tooth. Extensive destruction of the tooth mineral leads to the pathology, dental decay. Dental decay is a progressive process and if it is allowed to continue it can progress into the dental pulp and then into the supporting bones. If a bacterial abscess forms in the bone supporting the tooth it is often necessary to remove the tooth. Dental caries is the leading cause of tooth loss in the world. The loss of teeth affects the ability to eat, alters nutrition and has a dramatic impact on the quality of life. This course will take a comprehensive look at dental caries to understand how this disease impacts human populations.

Education

Package A Classroom Management

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 objective of the course include developing student knowledge and skill in: (a) a proactive, preventive approach to classroom management; (b) schoolwide positive behaviour 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.



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Package B Early Childhood Education

Foundations of Early Childhood Education

This course provides students with an overview of the salient theories, models, and practices in early childhood education. Students will be introduced to the pedagogical principles involved in the development of educational experiences for young children, focusing on children between 3-8 years. Students will have opportunities to learn about, discuss, and clarify important concepts and ideas relative to early childhood education, including the notions of children as active learners and the holistic nature of learning in the early years.

Supporting Learning in the Early Childhood Classroom

This course is intended to introduce students to the significant role that designing stimulating 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, designing appropriate daily schedules, and implementing teaching strategies for integrating different areas of learning, such as literacy, math, science, and art through inquiry and project-based learning.

Forestry

The Ecology, Economics, and Politics of Carbon

Humans use carbon-based molecules in almost all aspects of daily life - food, shelter, clothing, and power generation are but a few examples. Unfortunately, deforestation, land degradation, and fossil fuel emissions are responsible for the build-up of carbon in the atmosphere. This is causing the atmosphere to heat up which in turn is changing the global climate. To understand why this is a problem and what we can do about it, you will be provided with an introduction to the ecology of carbon (where it is, and how it cycles through the living and non-living world). We will then discuss the challenges of limiting carbon emissions by considering the interaction between economics and politics.

Sustainable Forest Management

This course represents an attempt to integrate knowledge and processes relating to forest management across a wide array of disciplines, but it centrally concerned with bringing the underlying ecological and management science together. It involves a mix of lectures, group discussions and field visits to increase the understanding of students about problems involved with managing forest ecosystems for a variety of societal goals and objectives. The course is heavily geared towards ecological, economic and policy context of British Columbia; however, international implications and issues of forest management are also covered. The objective of the course is to familiarize the students with a variety of forest ecosystem values and their management issues and to enable meaningful analysis of the current issues in forest management in that context.



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Kinesiology

Package A Sport and Exercise Science

Sport and Exercise Psychology

An overview of current concepts in sport and exercise psychology. The course is intended to develop students' understanding of psychological factors that impact performance in sport and exercise settings. The course will focus on how sport and exercise psychology principles can be applied to physical activity contexts.

Applied Exercise Physiology

How does the human body respond to the physiological demands of exercise? This course will present an overview of key concepts in applied exercise physiology and athletic performance. The course is intended to provide students with an understanding of human physiology and related anatomy (heart and lungs, muscle, metabolism) in the context of sports, exercise, and physical activity. Topics will include exercise and health, physiology of high performance sport, sports medicine, and factors such as genetics, extreme environments (altitude, air pollution, heat), age, disability and disease.

Package B Pedagogy and Social Science

Leisure and Sport in Society

An overview of contemporary perspectives on the social, cultural, environmental, and economic dimensions of leisure and sport. The course is intended to help students develop the capacity to think critically about present-day issues in leisure and sport, offer experience working/presenting in small groups, and provide some familiarity with the ways that various sociological concepts and methods can be applied. The course will provide opportunities to visit sports facilities in Vancouver, BC.

Pedagogical Approaches in Physical Education

An overview of a range of pedagogical approaches in physical education. The course is intended to help students develop the capacity to think critically about the current status of physical education, offer experience teaching and presenting in pairs and small groups, and provide opportunities to critically examine topics of interest. The course will comprise visits to a number of outdoor locales in Vancouver, BC.



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Land and Food Systems

Package A Food: Science and Safety

Introduction to Food Science

An introduction to key concepts related to the science of food: the Canadian food system, chemical and physical properties of foods, government regulations, food additives, food preservation techniques, food safety, and trends in foods for nutrition and health. Students will learn to arrive at an informed position about controversial issues relating to the food that they encounter as consumers in the marketplace, and that they hear about in the media.

Food Safety and Food Safety Management

Learn about food safety within the food processing environments and the regulatory systems in various jurisdictions such as the US, Canada, as well as the Codex Alimentarius. Identify physical, chemical and biological hazards and understand the process of developing a food safety management system. Students will learn about the Hazard Analysis and Critical Control Points (HACCP) system and how to proactively apply the food safety concept to any other food safety and quality management systems, such as International Organization for Standardization (ISO) 22000, British Retail Consortium (BRC) and Safe Quality Food (SQF).

Package B Agribusiness Management

Food and Agribusiness Enterprise Management

This course is designed to introduce the principles of financial and business management that are most relevant to agri-food and related firms. The content of the course will provide students with the insights and skills necessary to develop, evaluate and implement financial and management strategies. This will be accomplished through the presentation of management fundamentals, financial principles, decision and project planning frameworks, completion of cases and current article reviews, class discussions and final enterprise management presentation. Emphasis will be placed on the unique considerations of management within the agriculture, food and agribusiness sectors.

Food and Agribusiness Marketing Management

This course is designed to introduce the principles of marketing management and assessment that are most relevant to agri-food and related firms. The content of the course will focus on the macro and micro aspects of marketing management. Specific topics include basic principles and types of marketing such as production, selling and social marketing; marketing frameworks to assess industry and competitive landscape; identification of the ideal customer; market research survey development and assessment, use of excel for market survey and data analysis and secondary research methods and the sources.



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Law

Introduction to the Common Law – Canadian Public Law

This course will introduce students to the body of public law within the Canadian common law tradition. Topics covered will include an examination of the basic rights of individuals and of the distribution of political authority within Canada (constitutional law). Other topics may include an examination of the basis of criminal responsibility and of the general and specific defenses available to an accused (criminal law), and an introduction to the rules, principles and policy considerations that shape the powers of various administrative agencies that regulate people and organizations in Canada (administrative law). Students will also be instructed in the methods and practice of the common law, and will be encouraged to compare the precepts of Canadian public law with those found in Hong Kong and Mainland China.

Introduction to the Common Law – Canadian Private Law

This course will introduce students to private law doctrine within the Canadian common law tradition. Topics covered may include: an examination of the common law doctrines relating to the formation, operation and breach of commercial and consumer agreements between individuals (contract law); an introduction to the idea of property in the common law and its changing nature and application (property law); and an examination of the common law approach to disputes between individuals that arise when the acts or omissions of one person cause injury or property loss (tort law). Students will also be instructed in the methods and practice of the common law, and will be encouraged to compare private law doctrine in Canada with that found in Hong Kong and Mainland China.

Medicine

Introduction to Clinical Research in the Sciences

This course provides a window to 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 40 hour course includes lectures, workshops and hands-on mentored individual research project by students that will be presented in the end of the course, and a wide variety of health care providers and medical educators will participate in the course and provide examples of research conducted in 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 of basic clinical research.



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Pharmacology of Everyday Life

This course will provide an overview of the principles of pharmacology and anesthesiology. Students will gain insight into how drugs produce both desired and adverse effects through exploration of their underlying mechanisms of action on the body. Through historical and present-day analysis of selected anesthetic agents and prescription, over-the-counter, and social drugs, students will gain an understanding and appreciation of medicines directly applicable to their everyday lives.

Course objectives will be met through a combination of lectures, small group discussion and tutorial sessions, as well as hands-on *in vitro* laboratory experimentation.

