

# UBC Vancouver Summer Program

## July 16 – August 16, 2016



The Vancouver Summer Program (VSP) is a four week academic program in Canada offered by various faculties at the University of British Columbia for cohorts of students from cooperating universities. The program includes two courses and social cultural activities. Choose from one of the 42 packages offered:

### Applied Science

#### Civil Engineering

*Civil Engineering Materials*

*Project Based Learning in Civil Engineering Materials*

#### Electrical and Computer Engineering

*Communication Systems: Technology Embedded in Daily Life*

*Introduction to Digital Systems Design with FPGAs*

### Architecture and Landscape Architecture

#### Urban Design

*Sustainability by Design: The Design of the North American*

*Sustainable City and its Implications for the World*

*Perspectives on the Development of the City of Vancouver*

#### Designing, Fabricating, and Building with Wood

*Understanding Wood as a Building Material*

*Designing and Making with Wood*

### Arts

#### Package A – The World of Manga and Anime: From Writing to Theory

*Manga and Anime in the World*

*Writing for Graphic Forms: Manga*

#### Package B – Global Journalism, Culture and Communications: Practice and Principles

*Culture and Communication*

*Global Journalism*

#### Package C – The English Language: A Deeper Perspective

*Origin and Variation of the English Language*

*Language Universals and the Structure of English*

#### Package D – International Trade, Financial Markets and Politics

*International Trade and Financial Markets*

*Dynamics of International Politics*

#### Package E – Environmental Economics & Introduction to Geographic Information System (GIS) for Impact Assessment

*Introduction to Geographic Information Systems (GIS) for*

*Environmental Impact Assessment*

*Environmental Economics*

#### Package F – Asia in the World

*Security for Asian States and Peoples*

*China in the World*

### Business

#### Package A – International Business and International Marketing

*International Business Management*

*International Marketing*

#### Package B – Introduction to Marketing and Organizational Behaviour

*Introduction to Marketing*

*Organizational Behaviour and Management*

#### Package C – Strategic Management and New Enterprise Development

*Strategic Management*

*New Enterprise Development*

### Dentistry

#### Dental Caries and Oral Cancer

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

*Dental Caries: the most common infectious disease in humans*

### Education

#### Package A – Educational Psychology and Special Education

*Classroom Management*

*Assessment and Positive Behaviour Support in School and*

*Community Settings*

#### Package B – Language Learning and Teaching in the World

*Language Practices in Multilingual Contexts*

*Strategic Language Use in a Globalized World*

#### Package C – Early Childhood Education and Development

*Designing High Quality Programs in Early Childhood Settings*

*Creating Environments to Support Learning in Early Childhood*

*Settings*

### Forestry

#### Package A – Forest Management and the Effects of Carbon

*An Introduction to the Ecology, Economics and Politics of*

*Carbon*

*Sustainable Forest Management*

#### Package B – Forest Products, Trade and Business Management

*Forest Product Markets and International Trade*

*The Wood Industry and Business Management*

#### Package C – Urban Forestry

*An Introduction to Urban Forestry*

*Green-Space Management in North America*

### Kinesiology

#### Package A – Sport and Exercise Performance

*Sport and Exercise Psychology*

*Applied Exercise Physiology*

#### Package B – Coaching Science

*Principles of Coaching*

*Sport Psychology for Coaching*

### Land and Food Systems

#### Package A – Food Science and Safety

*Introduction to Food Science*

*Food Safety and Food Safety Management*

#### Package B – Agribusiness Management

*Food and Agribusiness Enterprise Management*

*Food and Agribusiness Marketing Management*

#### Package C – Nutritional Science

*Essentials of Nutrition*

*Healthy Eating – The Canadian Way*

#### Package D – The Science and Art of Fermentation

*Introduction to Non-Alcoholic Fermentation*

*Introduction to Alcoholic Fermentation*

### Law

#### International Business and the Common Law Lab

*The Law and Practice of International Business*

*The Common Law Lab*

### Medicine

#### Package A – Clinical Research and Clinical Medicine

*Introduction to Clinical Research in the Sciences*

*Introduction to Clinical Medicine at the Bedside*

#### Package B – Pharmacology and Critical Analysis in Medicine and Science

*Pharmacology through Case Studies*

*Primary Literature Analysis in Science and Medicine*

#### Package C – Medical Imaging and Anesthesiology

*Introduction to Medical Imaging*

*Anesthesiology*

#### Package D – Biochemistry & Molecular Biology in Human Health, Disease, and the Environment

*Molecular Mechanisms of Disease*

*Environmental Biochemistry*

#### Package E – Origins of Illness and Psychotherapies

*A Life Cycle Approach to Mental Illness*

*Introduction to Psychotherapy*

#### Package F – Major Mental Illness and Pharmacology

*Mood Disorders and Psychosis: Assessment and Diagnosis*

*Introductory Neuropsychopharmacology*

#### Package G – Neuroscience and Clinical Neuropsychiatry

*Translational Neuroscience*

*Introductory Neuropsychiatry*

#### Package H – Population and Public Health

*Social Determinants of Health*

*Introduction to Population and Public Health Practice*

#### Package I – Understanding the Recovery and Treatment from Injury and Chronic Disease

*Exercise is Medicine*

*Recovery from Injury*

#### Package J – Medical Laboratory Science

*Introduction to Medical Laboratory Science*

*Fundamental Techniques for Clinical and Medical Research*

*Laboratories*

#### Package K – Anatomical Sciences

*Principles of Body Structure and Function*

*Applied Neuroanatomy*

### Pharmaceutical Sciences

#### Making Better Medicines

*The Discovery of New Medicines*

*Personalizing Medicines with Genomics and Biotechnology*

### Science

#### Package A – The Dynamic Earth and its Beautiful Treasures

*Our Dynamic Planet*

*Earth Treasures*

#### Package B – The Earth's Oceans, Atmosphere and Climate

*Ocean and Atmosphere Systems*

*Marine Biodiversity*

#### Package C – The Geometry of Nature

*The Size of Things*

*Symmetry*



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA