



Vancouver 2015

Summer Program



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

The Vancouver Summer Program

The Faculty of Forestry's Summer Program was launched to provide students in several partner universities with a cross-cultural learning experience. The program provides the opportunity for undergraduate students to learn about forestry and resource management issues in Canada, while also exploring Canadian society and culture through interactive lectures, various social activities and intercultural workshops. Social activities may include museum visits, outdoor activities such as canoeing and cycling, with plenty of

opportunity to explore sites of interest in Vancouver, as well as weekend or day trips to places such as Whistler and Vancouver Island.

The 2015 program will offer 3 academic packages, each consisting of 2 courses. Each course will have 39 hours of class time, taught by UBC instructors. Classes are interactive and may include group work, class discussion, guest lecturers and field trips.

The packages offered for Summer 2015 are:

Package A – Forest Management and the Effects of Carbon

1 An Introduction to 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, students 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.

2 Sustainable Forest Management

This course represents an attempt to integrate knowledge and processes relating to forest management across a wide array of disciplines, and is primarily concerned with bringing the underlying ecological and management science together. It involves a mix of lectures, group discussions and field visits to increase student understanding of the issues surrounding the management of forest ecosystems for a variety of societal goals and objectives. The course is focused on ecological, economic and policies within the 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 sustainability.



Package B – Forest and Natural Resource Management and Trade

1 Natural Resource Product Markets and International Trade

Canada's rich forest endowment combined with increasing global demand for forest products has enabled it to become the world's largest exporter of forest products. However, there have been some structural shifts both in global demand, as well as timber supply within Canada and other countries. At the same time, non-market factors (such as trade barriers) are also playing a greater role in how Canada can access its export markets. In this course, we will examine Canada's changing competitive condition in the context of these different factors. We will also explore the importance of export markets for the Canadian forest industry as well as seek to understand how changes in those markets impact demand for Canadian forest products.

2 The Wood Industry and Business Management

This course will be an introduction to fundamental business management practices used in the wood industry. Students will be exposed to a wide range of important business management concepts common to the wood industry, most notably marketing, business plan development, strategic planning, finance, customer research, product development and design. To complement the theories and principles introduced in this course, examples from current industrial situations and the media will be offered throughout the course.



Package C – Urban Forestry and Landscaping

1 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.

2 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.



Program Details

Duration and Dates

The summer program will run for 4 weeks from July 18th to August 18th, 2015. This includes arrival and departure days, so students should arrive in Vancouver on July 18th. Orientation Day is set for Monday, July 20th, and classes will start on July 21st.

Program Size

The minimum group size is 24. Students from multiple universities may be combined into one class if the minimum cannot be met by any one university.

Academic Pre-Requisites

Students should have completed basic first-year science courses at their home universities.

Accommodation and Support

Accommodation is provided on the university campus with easy access to classes, libraries, sports facilities and transportation.

Students are supported by the Faculty of Forestry Undergraduate Program staff and volunteers.

Program Fee and Application

The 2015 program fee is CAD\$4,200 and includes:

- Tuition
- Course materials
- Intercultural Communication workshop
- Accommodation
- Medical insurance
- Airport transfers
- City Tour
- Selected social activities

Students are responsible for the cost of food, transportation around the city as well as any other personal expenses they may incur.

Application and selection is made through the participating students' home university. Participating universities should contact the Faculty of Forestry of their interest in the summer program well in advance so that accommodation, instructors and all other details can be organized.

Contact Information:

For applications and registration:

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