

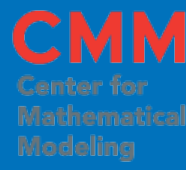
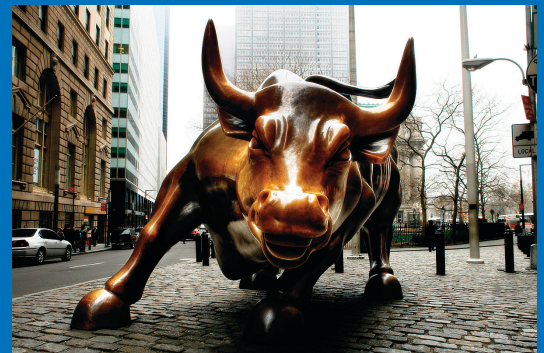
Pacific Institute *for the*  
Mathematical Sciences

# PIMS Summer School: The Economics and Mathematics of Systemic Risk and the Financial Networks

Summer School Program

July 21-25, 2014

Pacific Institute for the  
Mathematical Sciences  
Earth Sciences Building (ESB)  
2207 Main Mall, Vancouver



**SAUDER**  
School of Business  
UNIVERSITY OF BRITISH COLUMBIA

# Summer School Schedule:

Time	Mon Jul 21	Time	Tue Jul 22	Wed Jul 23	Thur Jul 24	Fri Jul 25
10:00am - 10:30am	<b>Registration &amp; Check in</b> (ESB Atrium)	9:00am - 10:20am	Jean-Pierre Fouque	Darrell Duffie	Darrell Duffie	Darrell Duffie
Coffee Break (ESB 2012 Lobby)		Coffee Break (ESB 2012 Lobby)				
11:00am - 12:20pm	Jean-Pierre Fouque	11:00am - 12:20pm	Jean-Pierre Fouque	Yuliy Sannikov	Yuliy Sannikov	Rama Cont
Lunch (Magma Café)		Lunch (Magma Café)				
2:00pm - 3:20pm	Paul Glasserman	2:00pm - 3:20pm	Paul Glasserman	Paul Glasserman	Rama Cont	Yuliy Sannikov
Coffee Break (ESB 2012 Lobby)		Coffee Break (ESB 2012 Lobby)				
3:40pm - 5:00pm	Jean-Charles Rochet	3:40pm - 5:00pm	Jean-Charles Rochet	Jean-Charles Rochet	Rama Cont	
		5:00pm - 6:00pm	Reception			


\*All abstracts are available on page 4.

\*\*All summer school sessions will be held in ESB Room 2012 (see building floor plan on page 3.

\*\*\*July 22 evening reception will be hosted in the ESB Atrium.

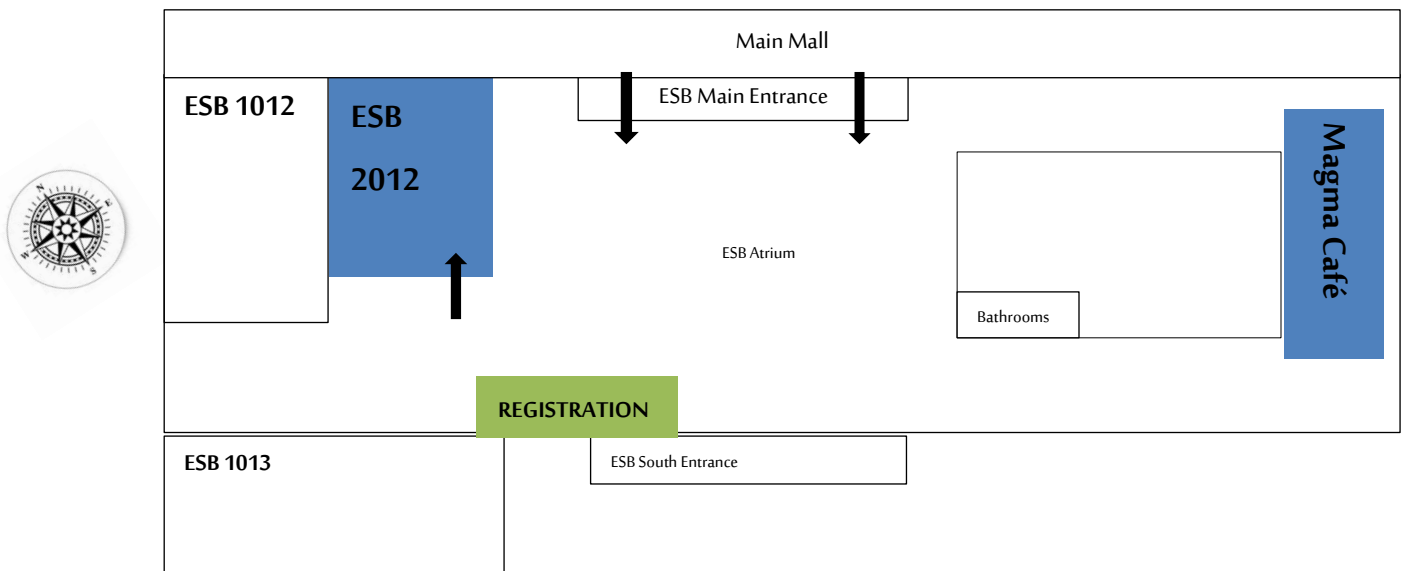
# Getting Started:

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-  **Get connected:** Select the "ubcvisitor" wireless network on your wireless device. Open up a web browser, and you will be directed to the login page.
- **Event Evaluation Survey:** Please help PIMS to improve the quality of its events and plan for the future by filling out the survey at the end of the conference. It is located at: <http://goo.gl/7adu9e>.

## Building Floor Plan:

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# Course Summaries

## Rama Cont (Imperial College, London)

**Title:** *Channels of Contagion in Financial Systems*

Understanding the mechanisms underlying systemic risk requires to change the traditional focus of risk modeling and examine the link between the *structure* of the financial system and its *stability*, with a focus on *contagion mechanisms* which may lead to large scale instabilities in the financial system. Some channels of contagion which have played an important role in past crises are: insolvency contagion through counterparty exposures [1,2,3], withdrawal of liquidity in funding channels and price-mediated contagion [4,5] through fire sales of assets.

We review some recent work on the mechanisms underlying these channels of contagion, with a focus on the nature of the 'network' underlying each contagion mechanism and the implications of these results for the monitoring and regulation of systemic risk. In particular, we will attempt to illustrate the importance of the *interaction* between these various channels and how this interaction may undermine regulatory efforts focused only on a single mechanism.

### References:

- [1] H Amini, R Cont, A Minca (2011) [Resilience to contagion in financial networks](http://onlinelibrary.wiley.com/doi/10.1111/mafi.12051/abstract). To appear in: *Mathematical Finance*.  
<http://onlinelibrary.wiley.com/doi/10.1111/mafi.12051/abstract>
- [2] H Amini, R Cont, A Minca (2012) [Stress testing the resilience of financial networks](#), *International Journal of Theoretical and applied finance*, Vol 15, 1250006.
- [3] R Cont, A Moussa, E B Santos (2013) [Network structure and systemic risk in banking systems](#) in: J.P. Fouque & J. Langsam (Eds.) *Handbook of Systemic Risk*, Cambridge University Press.
- [4] R Cont, L Wagalath (2011) [Running for the exit: short selling and endogenous correlation in financial markets](#). *Mathematical Finance*, Vol 23, Issue 4, p. 718-741, October 2013.
- [5] R Cont, L Wagalath (2012) [Fire sale forensics: measuring endogenous risk](http://ssrn.com/abstract=2051013). To appear in: *Mathematical Finance*.  
<http://ssrn.com/abstract=2051013>
- [6] R Cont, Th Kokholm (2014) [Central Clearing of OTC Derivatives: bilateral vs multilateral netting](http://www.degruyter.com/view/j/strm.2014.31.issue-1/strm-2013-1161/strm-2013-1161.xml?format=INT), *Statistics and Risk Modeling*, Vol 31, No 1, 3-22.  
<http://www.degruyter.com/view/j/strm.2014.31.issue-1/strm-2013-1161/strm-2013-1161.xml?format=INT>

## Darrell Duffie (Stanford University)

**Title:** *Risk Sharing in Over-the-Counter Markets*

I will begin with an overview of the purpose and structure of OTC markets, and how they can be a source of systemic risk. This will be followed by a brief review of search-based theories of trade and information sharing in OTC markets. Then I will

turn to theories and evidence regarding the use of collateral, the role of central clearing, and failure management. The failure management topic will finish with a model of the efficient application of legal stays that could be imposed on OTC contracts at the point of bankruptcy or administrative failure resolution. These stays can yield effective payment or settlement priority to OTC contracts. Stays can be efficient, or not efficient, depending on the setting. The affected OTC contracts include derivatives, repurchase agreements, securities lending agreements, and clearing agreements. I assume a basic knowledge of game theory and of measure-theoretic probability theory, particularly counting processes with an intensity.

**Jean-Pierre Fouque (University of California, Santa Barbara)**

**Title:** *Diffusion Models for Systemic Risk*

We will present inter-bank borrowing and lending models based on systems of coupled diffusions. First-passage models will be reviewed and applied to mean-field type models in order to illustrate systemic events and compute their probability via large deviation theory. Then, a game feature will be introduced and Nash equilibria will be derived or approximated using the Mean Field Game approach.

**Paul Glasserman (Columbia University)**

**Title:** *Contingent Capital and Financial Networks*

These lectures will cover two topics. The first is contingent capital in the form of debt that converts to equity when a bank nears financial distress. These instruments offer a potential solution to the problem of banks that are too big to fail by providing a credible alternative to a government bail-out. Their properties are, however, complex. I will discuss models for the analysis of contingent capital with particular emphasis on their incentive effects and the design of the conversion trigger. The second topic in these lectures is the problem of quantifying contagion and amplification in financial networks. In particular, I will focus on bounding the potential impact of network effects under the realistic condition that detailed information on the structure of the network is unavailable.

**Jean-Charles Rochet, (University of Zurich)**

**Title:** *Financial Stability*

**Lecture 1:** *The lender of last resort:* An analysis of the economics and politics of banking crises, and episodes of bail-outs of failing financial institutions.

- Rochet Vives (2004) "The Lender of last Resort: was Bagehot right after all?" JEEA, 6, 1116-1147, reprinted in Rochet, J.C. (2008) "Why are there so many banking crises?", Princeton University Press, chapter 2

**Lecture 2:** *Capital Regulation and Credit cycles:* Rationale for solvency regulations: micro VS macro-prudential. Will Basel III be sufficient? Countercyclical Capital buffers

- Admati et al.(2011) "Why bank capital is not expensive"

- Gersbach and Rochet (2013) Capital Regulation and Credit Fluctuations”.

**Lecture 3:** *Short Term Financing by banks: limited private gains, huge social losses. What doctrine for macro-prudential regulators?*

- Hanson Kashyap and Stein (2011) “A Macro-prudential Approach to Financial Regulation” Journal of Economic Perspectives.

**Yuliy Sannikov (Princeton University)**

**Title:** *Economies with Financial Frictions: A Continuous Time Approach*

The recent financial crisis has made obvious the need for models of financial stability. These three lectures will cover recent advancements in the modeling of crisis episodes, with particular emphasis on the use of continuous-time methods which make these models more tractable. Useful background reading includes the following:

- [http://www.princeton.edu/princeton\\_initiative/program/yuliy\\_lecture2\\_2013.pdf](http://www.princeton.edu/princeton_initiative/program/yuliy_lecture2_2013.pdf)
- [http://www.princeton.edu/~sannikov/macro\\_finance.pdf](http://www.princeton.edu/~sannikov/macro_finance.pdf)
- [http://www.princeton.edu/~sannikov/survey\\_macrofinance.pdf](http://www.princeton.edu/~sannikov/survey_macrofinance.pdf)



# Recreational Activities

at the University of British Columbia



## Aquatic Centre

6121 University Boulevard

(604) 822- 4522 [www.aquatics.ubc.ca](http://www.aquatics.ubc.ca)

The UBC Aquatic Centre features a 50-metre indoor pool, seasonal 55-yard outdoor pool, whirlpool, fitness/weight room, sauna/steam rooms, seasonal patio area and diving boards from one to ten meters.

**Summer Hours:** Please call for swim times, lessons, etc.

## Beaty Biodiversity Museum

2212 Main Mall

(604) 827- 4955 [www.beatymuseum.ubc.ca](http://www.beatymuseum.ubc.ca)

A new public museum dedicated to enhancing the public's understanding and appreciation of biodiversity. It is home to over 20,000 fossils from all over the world, including the largest blue whale exhibit in Canada

**Summer Hours:** Wed- Sun: 11:00am-5:00pm



## Belkin Art Gallery

1825 Main Mall (beside Fredric Wood Theatre)

(604) 822- 2759 [www.belkin.ubc.ca](http://www.belkin.ubc.ca)

The Morris and Helen Belkin Art Gallery's mandate is to research, exhibit, collect, publish, educate and develop programs in the field of contemporary art and in contemporary approaches to the practice of art history and criticism.

**Summer Hours:** Tues-Fri: 10:00am-5:00pm

Sat-Sun: 12:00pm-5:00pm



## Botanical Garden

6804 Marine Drive

(604) 822- 9666 [www.ubcbotanicalgarden.org](http://www.ubcbotanicalgarden.org)

Established in 1916, the UBC Botanical Garden has an outstanding collection of temperate plants displayed according to their geographic areas. Exhibits of regional plants include the Native Garden and Alpine Garden.

**Summer Hours:** Daily 9:00am-5:00pm



## Tennis Courts

2525 West Mall & 6010 Thunderbird Boulevard

(604) 822- 2505

All guests staying at the University of British Columbia are welcome to use the tennis courts located at Place Vanier and Totem Park Residences. There are additional courts at the UBC Coast Club located at 6160 Thunderbird Blvd. Please call for information on reservations, fees and special packages.



**Please Note:** Rates and Schedules are subject to change.



**Museum of Anthropology**  
6393 NW Marine Drive  
(604) 822- 5087 [www.moa.ubc.ca](http://www.moa.ubc.ca)

The Museum of Anthropology is one of North America's premier museums. School programs focusing on the Northwest Coast First Nations are available. All programs encourage discussion, observation and hands-on experience with touchable objects to learn about people and cultures. School programs must be arranged in advance.

**Summer Hours:** Daily 10:00am-5:00pm  
Tues: 10:00am-9:00pm



**Nitobe Memorial Garden**  
1903 Lower Mall  
(604) 822- 9666 [www.nitobe.org](http://www.nitobe.org)

Considered to be the best traditional, authentic Japanese Tea and Stroll garden in North America and among the top five Japanese gardens outside Japan, the Nitobe Garden includes a rare authentic Tea Garden with a ceremonial Tea House. The exquisite work of art was created out of two-and-a-half acres (one hectare) of pristine forest by landscape architects and gardeners recommended by the government of Japan.

**Summer Hours:** Daily 10:00am-5:00pm

**Pacific Spirit Regional Park**  
Park Office 4915 West 16<sup>th</sup> Avenue  
(604) 224- 5739

The Pacific Spirit Regional Park encompasses 763 hectares of forest and foreshore surrounding UBC, and boasts 35 kilometres of walking trails. Experience a variety of landscapes, from estuary marshes, rock and cobble beaches, wooded ravines, ancient bog and upland forests. Regional Park Interpreters offer customized group programs on themes ranging between edible plants, birds, and bog ecology.



**Student Recreation Centre**  
6000 Student Union Boulevard  
(604) 822- 6000 [www.rec.ubc.ca](http://www.rec.ubc.ca) or [www.birdcoop.ubc.ca](http://www.birdcoop.ubc.ca)

The SRC is one of Canada's premier University fitness facilities. It includes 1,800 square-feet of gym space, a full service fitness and weight room, a 2,300 square-foot dance studio, and a 1,600 square-foot traditional martial arts dojo.

**Summer Hours:** Mon-Thurs: 6:30am-9:00pm Saturday: 10:00am-6:00pm  
Friday: 6:30am-7:00pm 12:00pm- 6:00pm

**University Golf Course**  
5185 University Boulevard  
(604) 224- 1818 [www.universitygolf.com](http://www.universitygolf.com)

Designed to satisfy players of every level, the course features low-mowed rough and few hazards of water to carry over. Still, it does present challenges even for the experienced golfer. Greens on Par 3's are well protected by sand and require stealth accuracy. Move back to the championship tees and put a little more distance between you and the pins. 18 holes, Par 72.

**Summer Hours:** First tee time: 6am Last tee time: 8pm



**Please Note: Rates and Schedules are subject to change.**



# Campus Dining

at the University of British Columbia

*From world-class catering to casual dining, coffee shops and internationally-inspired food outlets, UBC offers a delicious assortment of food services solutions. Here is an overview of food service providers certain to deliver a satisfying campus dining experience.*

## UBC Food Services

[www.food.ubc.ca](http://www.food.ubc.ca)

*Serving only locally-roasted fair trade organic shade-grown coffee at all UBC Food Services non-franchise locations*

### Wescadia Catering

Conference and special event catering

[www.catering.ubc.ca](http://www.catering.ubc.ca)

### Sage Bistro at University Centre

Casual fine dining available for breakfast, lunch and special events

[www.sage.ubc.ca](http://www.sage.ubc.ca)

### The Point Grill at Marine Drive Residence

New upscale casual dining restaurant open for brunch, lunch, and dinner. Open M-F

### Triple O's at David Lam Research Centre

Casual dining in a family-friendly environment. Open daily

### Residence Dining

Totem Park and Place Vanier Cafeterias

For information about group meal plans, please call 604-822-6204 or email [rene.atkinson@ubc.ca](mailto:rene.atkinson@ubc.ca)

### Pacific Spirit Place Cafeteria at the SUB

Student Union Building, 6138 Student Union Blvd  
Pacific Spirit Place is open weekdays for breakfast and lunch. For information about group meal plans, please call 604-822-9310 or email [fred.cheng@ubc.ca](mailto:fred.cheng@ubc.ca)

Bakeshop

Pasta Bar

Salad Bar

Pizza Pizza

A&W

Koya Japan

Manchu Wok

Subway



### Proudly Brewing Starbucks Coffee

**Starbucks Coffee** at Student Union Building

**The Barn** at Main Mall

**Starbucks Coffee** at Fred Kaiser

**Steamies Café** at the Bookstore

**Pond Café** at Ponderosa Centre

### More Great Locations...

**Niche Café** at Beaty Biodiversity Museum

**Caffé Perugia** at Life Sciences Centre

**Café MOA** at Museum of Anthropology

**Ike's Café** at Irving K. Barber Learning Centre

**Tim Horton's** at Forest Sciences Centre

For guests, visitors, or groups visiting the UBC Campus, the UBC Food Services gift card is the easiest way for you and your group to dine at any of our locations.

# Food Outlets

at the Student Union Building (SUB)

The SUB features a variety of food outlets all under one roof and conveniently located at the heart of campus. Get a delicious bagel or muffin to go, grab a slice of pizza at Pie R Squared, pick up some freshly made sushi or sit and enjoy a juicy beef burger at Pit Pub. The SUB has something for everyone!

## Concourse and Sub-Level

### Blue Chip Cookies



Proudly serving organic, fair trade coffees, cappuccinos and lattes. All our cookies and fabulous baked goods are made in-house and baked fresh daily.

### Bernoulli's Bagels



Montreal-style bagels, sandwiches, and bagel melts using high-quality ingredients and freshly squeezed vegetable or citrus juice!

### The Delly



Fresh sandwiches made to order. A wide selection of salads, wraps, curries, soups and pasta made daily.

### The Honour Roll



Maki rolls, nigiri, sushi, donburi rice bowls and bento boxes are made fresh throughout the day. Ask about party platters and catering.

### The Pit Burger Bar



Charbroiled hamburger specials, veggie burgers, hot wings, beer-battered fish & chips and more!

### The Pit Pub



Satellite big-screen sports, six high-definition TV's, great drink prices, and a great atmosphere!



### The Moon Noodle House



Great wonton soup, daily specials, fresh steamed veggies, combos and hot & sour soup.

### The Patio BBQ



On the south side of the SUB, Monday to Friday (weather permitting) offering grilled 1/4 pound burgers, veggie burgers, smokies and drinks.

### The Pendulum Restaurant



Delicious grilled sandwiches and panninis, and lots of vegetarian and vegan dishes!

### Pie R Squared



Great house-made pizza slices, great prices, cold drinks. Now offering soft-serve ice cream and doughnuts.

[www.catering.ubc.ca](http://www.catering.ubc.ca)

**NEED CATERING?** For catered events or meals on the go, Wescadia Catering offers a multitude of menu ideas to meet a range of dietary needs. We pride ourselves on our knowledgeable, friendly staff, professional service and quality ingredients.

# University Boulevard

## Restaurants and Food Outlets

University Boulevard boasts a vibrant neighbourhood feel, and features dozens of places to enjoy a sit-down meal, people-watch over coffee, or grab a quick bite on the run. Visitors will feel right at home choosing from internationally-recognized franchises and unique offerings from local entrepreneurs.

### The Boulevard Coffee Roasting Co.

at David Strang, 5870 University Blvd.  
[theboulevard.ca](http://theboulevard.ca)

### Mahony & Sons Public House

at David Strang, 5990 University Blvd.  
[www.mahonyandsons.com](http://www.mahonyandsons.com)

### The Well Café

at Regent College, 5800 University Blvd.

### University Village

5700 Block, University Blvd.

**Blenz** Coffee Shop

**Booster Juice** Juice & Snack Bar

**Mio Japan** Japanese Fast Food

**McDonald's** Breakfast – Late-Night Fast Food

**Pearl Fever** Tea House & Snack Bar

**Pita Pit** Lunch – Late-Night Take-Out & Delivery



**One More Sushi** Japanese Dining

**Only U Café** Deli & Diner

**Starbuck's** Coffee Shop

**University Pizza** Take-Out & Delivery

**Vera's Burger Shack** Diner

**Village Restaurant** Chinese Dining

### International Food Fair

University Marketplace, Lower Level

**A-1 Vietnamese Food** Pho & Noodle House

**Curry Point** East Indian

**Donair Town** Persian, Mediterranean, Catering

**Leona Mediterranean Food** Lebanese

**Malaysian Cuisine** Malaysian, Thai

**Osaka Sushi** Japanese

**Timpo Mongolian BBQ** Stir-Fry

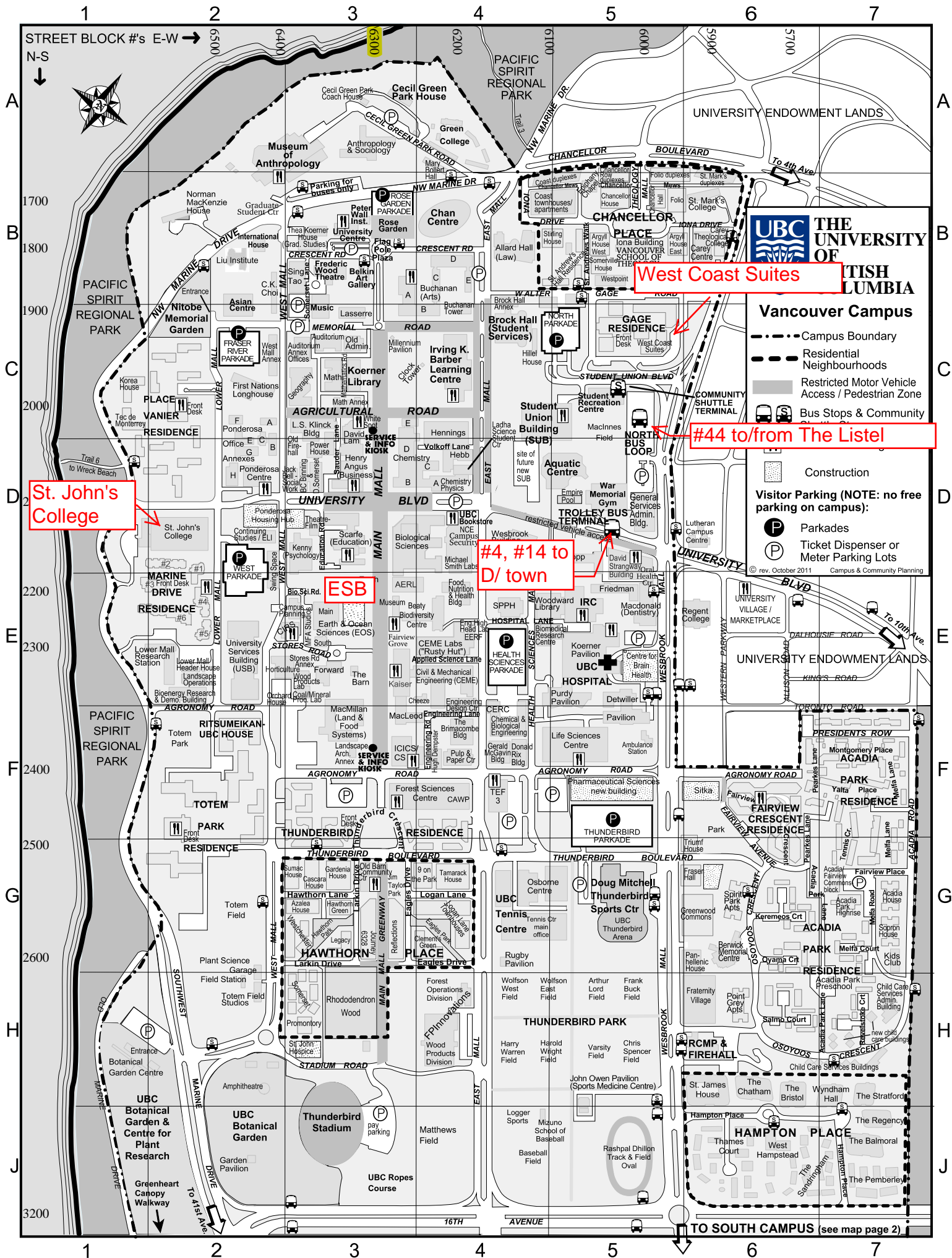
**Yi Kou Xiang** Chinese



ALSO RECOMMENDED...

**Westward Ho! PublicHouse & Grill Room** at the University Golf Club  
[www.universitygolf.com/dine](http://www.universitygolf.com/dine)





# Map Directory

Site or Building Name & Address	Grid
Abdul Ladha Science Student Ctr, 2055 East Mall .....	D4
Acadia/Fairview Commonsblock, 2707 Tennis Cres .....	G7
Acadia House, 2700-2720 Acadia Rd .....	G7
Acadia Park Residence .....	F/H-6/7
Acadia Park Highrise, 2725 Melfa Rd .....	G7
Acadia Park Preschool, 2750 Acadia Park Lane .....	H7
Allard Hall [Faculty of Law], 1822 East Mall .....	B4
Anthropology & Sociology Bldg, 6303 NW Marine Dr .....	A3
Aquatic Centre, 6121 University Blvd .....	D5
Aquatic Ecosystems Research Lab (AERL), 2202 Main Mall .....	E3
Asian Centre, 1871 West Mall .....	B2
Auditorium (a.k.a. "Old Auditorium"), 6344 Memorial Rd .....	C3
Auditorium Annex Offices, 1924 West Mall .....	C3
Barn (daycare), 2323 Main Mall .....	E3
B.C. Binning Studios (formerly Hut M-17), 6373 University Blvd .....	D3
Beaty Biodiversity Centre & Museum, 2212 Main Mall .....	E3/4
Belkin (Morris & Helen) Art Gallery, 1825 Main Mall .....	B3
Berwick Memorial Centre, 2765 Osoyoos Cres .....	G6
Bioenergy Research & Demonstration Bldg., 2337 Lower Mall .....	E2
Biological Sciences Bldg [Science Faculty office], 6270 University Blvd .....	D3
Biomedical Research Ctr, 2222 Health Sciences Mall .....	E4
Biotechnology Laboratory, 2125 East Mall .....	D4
Bollert (Mary) Hall, 6253 NW Marine Dr .....	A4
Bookstore, 6200 University Blvd .....	D4
Botanical Garden Centre/Gatehouse, 6804 SW Marine Dr .....	H1
Botanical Garden Pavilion (enter at Gatehouse, 6804 SW Marine Dr) .....	J2
Botan. Gard. Greenhouses/ Workshops, 6088 S. Campus Rd .....	South Campus
Brimacombe Building, 2355 East Mall .....	F4
<b>BROCK HALL: Student Services &amp; Welcome Centre, 1874 East Mall .....</b>	<b>C4</b>
Brook Hall Annex, 1874 East Mall .....	C4
Buchanan Building (Blocks A, B, C, D, & E) [Arts], 1866 Main Mall .....	B3/4
Buchanan Tower, 1873 East Mall .....	C4
C.K. Choi Building for the Institute of Asian Research, 1855 West Mall .....	B2
Campus & Community Planning, 2210 West Mall .....	E3
Campus Security, 2133 East Mall .....	D4
Carey Centre, 5920 Iona Drive .....	B6
Carey Theological College, 1815 Wesbrook Mall .....	B6
CAWP (Centre for Advanced Wood Processing), 2424 Main Mall .....	F4
Cecil Green Park Coach House, 6323 Cecil Green Park Rd .....	A3
Cecil Green Park House, 6251 Cecil Green Park Rd .....	A3
CEME — see <i>Civil &amp; Mechanical Engineering Building</i>	
Centre for Comparative Medicine, 4145 Wesbrook Mall .....	South Campus
Centre for Interactive Research on Sustainability (CIRS), 2260 West Mall .....	E3
CERC (Clean Energy Research Ctr), 2360 East Mall .....	F4
Chan Centre for the Performing Arts, 6265 Crescent Rd .....	B4
Chancellor Place neighbourhood .....	B5
Chemical & Biological Engineering Bldg, 2360 East Mall .....	F4
Chemistry A Block - Chemistry Physics Building, 6221 University Blvd .....	D4
Chemistry B,C,D & E Blocks, 2036 Main Mall .....	D3
Child Care Services Administration Bldg, 2881 Acadia Rd .....	H7
Child Care Services Bldgs, Osoyoos Cresc and Revelstoke Crt. .....	H7
CIRS — see <i>Centre for Interactive Research on Sustainability</i> ..	
Civil & Mechanical Engineering Bldg (CEME), 6250 Applied Science Lane ..	E4
Civil & Mechanical Eng. Labs ("Rusty Hut"), 2275 East Mall .....	E4
Coal & Mineral Processing Lab, 2332 West Mall .....	E3
Continuing Studies Bldg [English Language Institute], 2121 West Mall .....	D2
Copp (D.H.) Building, 2146 Health Sciences Mall .....	D5
Cunningham (George) Building [Pharmaceutical Sc.], 2146 East Mall .....	E4
David Lam Learning Centre, 6326 Agricultural Rd .....	C3
David Lam Management Research Ctr, 2033 Main Mall .....	C3
Donald Rix Building, 2389 Health Sciences Mall .....	F4
Doug Mitchell Thunderbird Sports Centre, 6066 Thunderbird Blvd .....	G5
Dorothy Somerset Studios (formerly Hut M-18), 6361 University Blvd .....	D3
Earth Sciences Building (ESB) under construction, 2207 Main Mall .....	E3
Earth & Ocean Sciences (EOS) - Main and South, 6339 Stores Rd .....	E3
Earthquake Engineering Research Facility (EERF), 2235 East Mall .....	E4
Engineering High Head Room Lab, 2225 East Mall .....	E4
English Language Institute (E.L.I.) — see <i>Continuing Studies Building</i>	
Environmental Services Facility, 6025 Nurseries Rd .....	South Campus
Fairview Crescent Residence, 2600-2804 Fairview Cres .....	F6
Fire Department, 2992 Wesbrook Mall .....	H6
First Nations Longhouse, 1985 West Mall .....	C2
Flag Pole Plaza (Main Mall & Crescent Rd) .....	B3
Food, Nutrition and Health Bldg, 2205 East Mall .....	E4
Forest Sciences Centre [Faculty of Forestry], 2424 Main Mall .....	F4
Forward (Frank) Building, 6350 Stores Rd .....	E3
FPInnovations (Forest Operations & Wood Products), 2601/2665 E. Mall ..	H4
FPInnovations (Pulp & Paper Division), 3800 Wesbrook Mall .....	South Campus
Fraser Hall (public rental housing), 2550 Wesbrook Mall .....	G6
Fraternity Village, 2880 Wesbrook Mall .....	H6
Frederic Wood Theatre, 6354 Crescent Rd .....	B3
Friedman Bldg, 2177 Wesbrook Mall .....	E5
Gage Residence, 5959 Student Union Blvd .....	C5
General Services Administration Bldg (GSAB), 2075 Wesbrook Mall .....	D5
Geography Building, 1984 West Mall .....	C3
Gerald McGavin Building, 2386 East Mall .....	F4
Graduate Student Centre — see <i>Thea Koerner House</i>	
Green College, 6201 Cecil Green Park Rd .....	A4
Greenheart Canopy Walkway, Botanical Garden, 6804 SW Marine Dr .....	H1
Greenwood Commons (public rental housing), 2660 Wesbrook Mall .....	G6
Hampton Place neighbourhood .....	H/J-6/7
Hawthorn Place neighbourhood .....	G/H3
Hebb Building, 2045 East Mall .....	D4
Hennings Building, 6224 Agricultural Rd .....	C4
Henry Angus Building [Sauder School of Business], 2053 Main Mall .....	D3

Site or Building Name & Address	Grid
Hillel House - The Diamond Foundation Centre for Jewish Campus Life, 6145 Student Union Blvd .....	C4
Horticulture Building/Greenhouse, 6394 Stores Rd .....	E2/3
Hugh Dempster Pavilion, 6245 Agronomy Rd .....	F4
ICIS/ICS (Institute for Computing, Information & Cognitive Systems/Computer Science), 2366 Main Mall .....	E4
Instructional Resources Centre (IRC), 2194 Health Sciences Mall .....	F5
International House, 1783 West Mall .....	B2
In-Vessel Composting Facility, 6035 Nurseries Road .....	South Campus
Irving K. Barber Learning Centre, 1961 East Mall .....	C4
Jack Bell Building for the School of Social Work, 2080 West Mall .....	D3
John Owen Pavilion & Allan McGavin Sports Medicine Centre, 3055 Wesbrook Mall .....	H5
Kaiser (Fred) Building [Faculty of Applied Science], 2332 Main Mall .....	E3
Kenny (Douglas T) Building, 2136 West Mall .....	D3
Kids Club, 2855 Acadia Rd .....	G7
Klinck (Leonard S.) Bldg, 6356 Agricultural Rd .....	C3
Koerner (Walter C.) Library, 1958 Main Mall .....	C3
Landscape Architecture Annex, 2371 Main Mall .....	F3
Lasserre (Frederic) Building, 6333 Memorial Rd .....	C3
Law, Faculty of — see <i>Allard Hall</i>	
Leon and Thea Koerner University Centre, 6331 Crescent Rd .....	B3
Life Sciences Centre, 2350 Health Sciences Mall .....	F5
Liu Institute for Global Issues, 6476 NW Marine Dr .....	B2
Lower Main Header House, 2269 Lower Mall .....	E2
Lower Mall Research Station, 2259 Lower Mall .....	E2
Macdonald (J.B.) Building [Dentistry], 2199 Wesbrook Mall .....	E5
MacLeod (Hector) Building, 2356 Main Mall .....	F3
MacMillan (H.R.) Bldg [Faculty of Land & Food Systems], 2357 Main Mall ..	F3
Marine Drive Residence (Front Desk in Bldg #3), 2205 Lower Mall .....	E2
Material Recovery Facility, 6055 Nurseries Rd .....	South Campus
Mathematics Annex, 1986 Mathematics Rd .....	C3
Mathematics Building, 1984 Mathematics Rd .....	C3
Medical Sciences Block C, 2176 Health Sc. Mall .....	E4
M.F.A. Studios (formerly B.C. Binning MFA Studios), 6363 Stores Rd .....	E3
Michael Smith Laboratories, 2185 East Mall .....	D4
Museum of Anthropology (MOA), 6393 NW Marine Dr .....	A2/3
Music Building, 6361 Memorial Rd .....	B/C3
Networks of Ctrs of Excellence (NCE), 2125 East Mall .....	D4
Nitobe Memorial Garden, 1895 Lower Mall .....	B/C2
Nobel Biocare Oral Health Centre (David Strangway Bldg), 2151 Wesbrook Mall .....	E5
Norman MacKenzie House, 6565 NW Marine Dr .....	B2
NRC Institute for Fuel Cell Innovation, 4250 Wesbrook Mall .....	South Campus
Old Administration Building, 6328 Memorial Rd .....	C3
Old Auditorium — see <i>Auditorium</i>	
Old Barn Community Centre, 6308 Thunderbird Blvd .....	G3
Old Firehall, 2038 West Mall .....	D3
Orchard House, 2336 West Mall .....	E2
Osborne (Robert F.) Centre/Gym, 6108 Thunderbird Blvd .....	G4
Panhellenic House, 2770 Wesbrook Mall .....	G6
Peter Mall Institute for Advanced Studies, 6331 Crescent Rd .....	B3
Place Vanier Residence, 1935 Lower Mall .....	C/D2
Plant Ops Nursery/Greenhouses, 6029 Nurseries Rd .....	South Campus
Plant Science Field Station & Garage, 2613 West Mall .....	H2

Site or Building Name & Address	Grid
Point Grey Apartments, 2875 Osoyoos Cresc .....	H6
Police (RCMP) & Fire Department, 2990/2992 Wesbrook Mall .....	H6
Ponderosa Centre, 2071 West Mall .....	D2
Ponderosa Office Annexes: A, B, & C, 2011-2029 West Mall .....	C/D2
Ponderosa Office Annexes: E to H, 2008-2074 Lower Mall .....	C/D2
Power House, 2040 West Mall .....	D3
Pulp and Paper Centre, 2385 East Mall .....	F4
Ritsumeikan-UBC House, 6460 Agronomy Rd .....	F2
Rose Garden .....	B3
Roy Barnett Recital Hall - in Music Building	
Rugby Pavilion, 2584 East Mall .....	G4
Scarfe (Neville) Building [Education], 2125 Main Mall .....	D3
School of Population & Public Health (SPPH), 2206 East Mall .....	E4
Simon K.Y. Lee HKU-UBC House — Bldg #1, Marine Drive Residence .....	E2
Sing Tao Building, 6388 Crescent Rd .....	B3
Sopron House, 2730 Acadia Rd .....	G7
South Campus Warehouse, 6116 Nurseries Rd .....	South Campus
Spirit Park Apartments, 2705-2725 Osoyoos Cresc .....	G8
St. Andrew's Hall/Residence, 6040 Iona Dr .....	B5
St. John's College, 2111 Lower Mall .....	D2
St. Mark's College, 5935 Iona Dr .....	B6
Staging Research Centre, 6045 Nurseries Rd .....	South Campus
Stores Road Annex, 6368 Stores Rd .....	E3
Student Recreation Ctr, 6000 Student Union Blvd .....	C5
Student Union Bldg (SUB), 6138 Student Union Blvd .....	C4
TEF3 (Technology Enterprise Facility 3), 6190 Agronomy Rd .....	F4
Thea Koerner House [Faculty of Graduate Studies], 6371 Crescent Rd .....	B3
Theatre-Film Production Bldg, 6358 University Blvd .....	D3
Thunderbird Residence, 6335 Thunderbird Cresc .....	F3/4
Thunderbird Stadium, 6288 Stadium Rd .....	J3
Thunderbird Winter Sports Ctr — see <i>Doug Mitchell Thunderbird Sports</i> ..	
Totem Field Studies, 2613 West Mall .....	H2
Totem Park Residence, 2525 West Mall .....	F/G2
TRIUMF, 4004 Wesbrook Mall .....	South Campus
Triumph House (TRIUMF Visitor's Residence), 5835 Thunderbird Blvd .....	G6
UBC Bookstore, 6200 University Blvd .....	D4
UBC Farm, 6182 Wesbrook Mall .....	South Campus
UBC Hospital, 2211 Wesbrook Mall .....	E5
UBC Tennis Centre, 6160 Thunderbird Blvd .....	G4
UBC Thunderbird Arena (in Doug Mitchell Centre), 2555 Wesbrook Mall .....	G5
University Centre (Leon & Thea Koerner), 6331 Crescent Rd .....	B3
University Neighbourhoods Association, 5923 Berton Ave .....	South Campus
University Services Building (USB), 2329 West Mall .....	E2
Vancouver School of Theology, 6000 Iona Drive .....	B5
Walter H. Gage Residence, 5959 Student Union Blvd .....	C5
War Memorial Gymnasium, 6081 University Blvd .....	D5
Wayne & William White Engineering Design Ctr, 2345 East Mall .....	E4
Wesbrook Bldg, 6174 University Blvd .....	D4
Wesbrook Place neighbourhood .....	South Campus
Wesbrook Village shopping centre .....	South Campus
West Mall Annex, 1933 West Mall .....	C2
West Mall Swing Space Bldg, 2175 West Mall .....	D2
Wood Products Laboratory, 2324 West Mall .....	E3
Woodward IRC, 2194 Health Sciences Mall .....	E4/5
Woodward Library, 2198 Health Sciences Mall .....	E4/5

## SOUTH CAMPUS MAP

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Note:  
Local traffic only  
along Wesbrook Mall  
on South Campus

### Map Information

Need help finding your way on campus? Call the Campus & Community Planning MapInfo Line at 604-827-5040, M-F, 8:30-4:30

Or use the online searchable colour map at [www.maps.ubc.ca](http://www.maps.ubc.ca)

