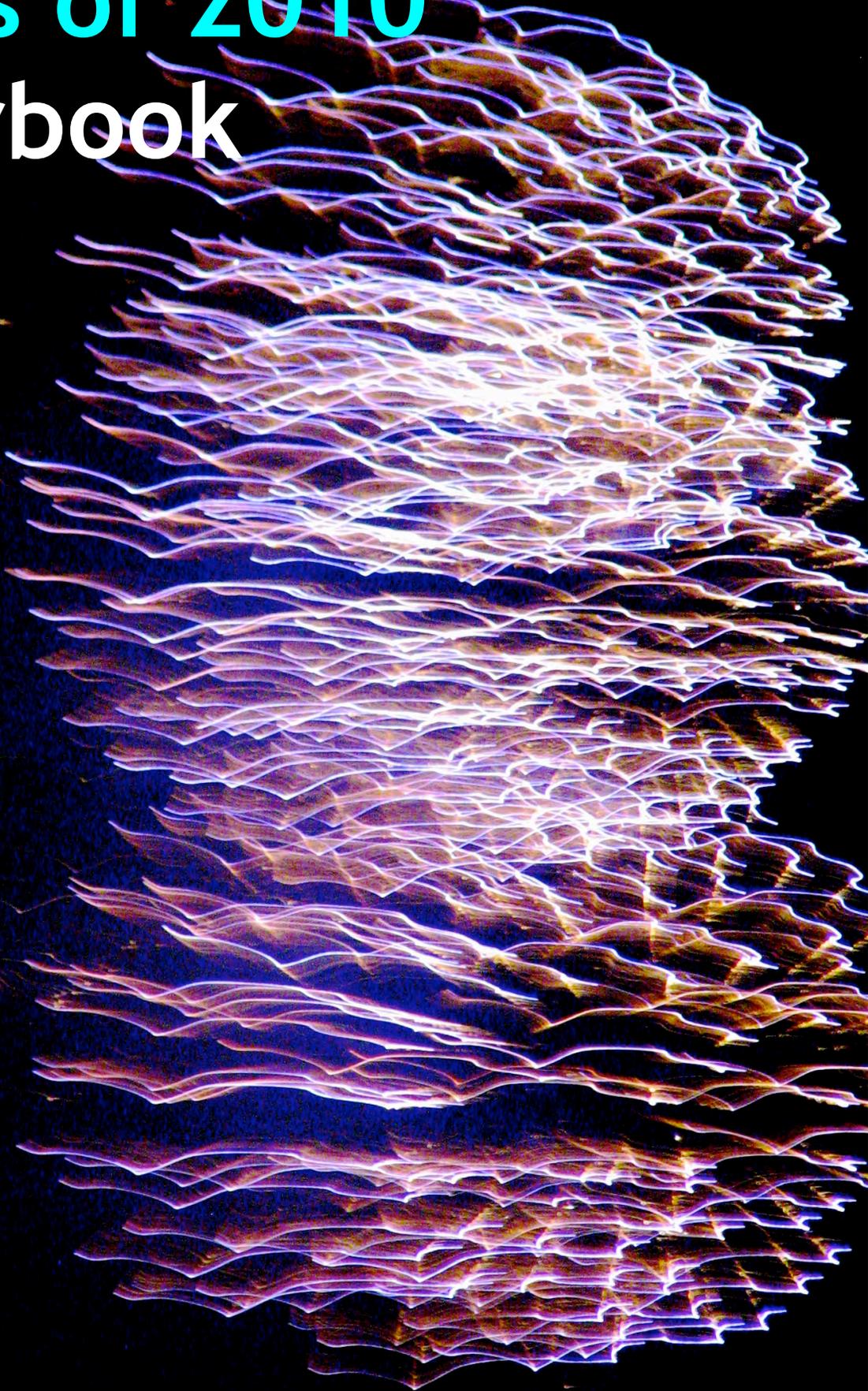


# Class of 2010 Yearbook

# Science 101





## Science 101

is a 4-month summer program offered to individuals who have had difficulty accessing post-secondary education.

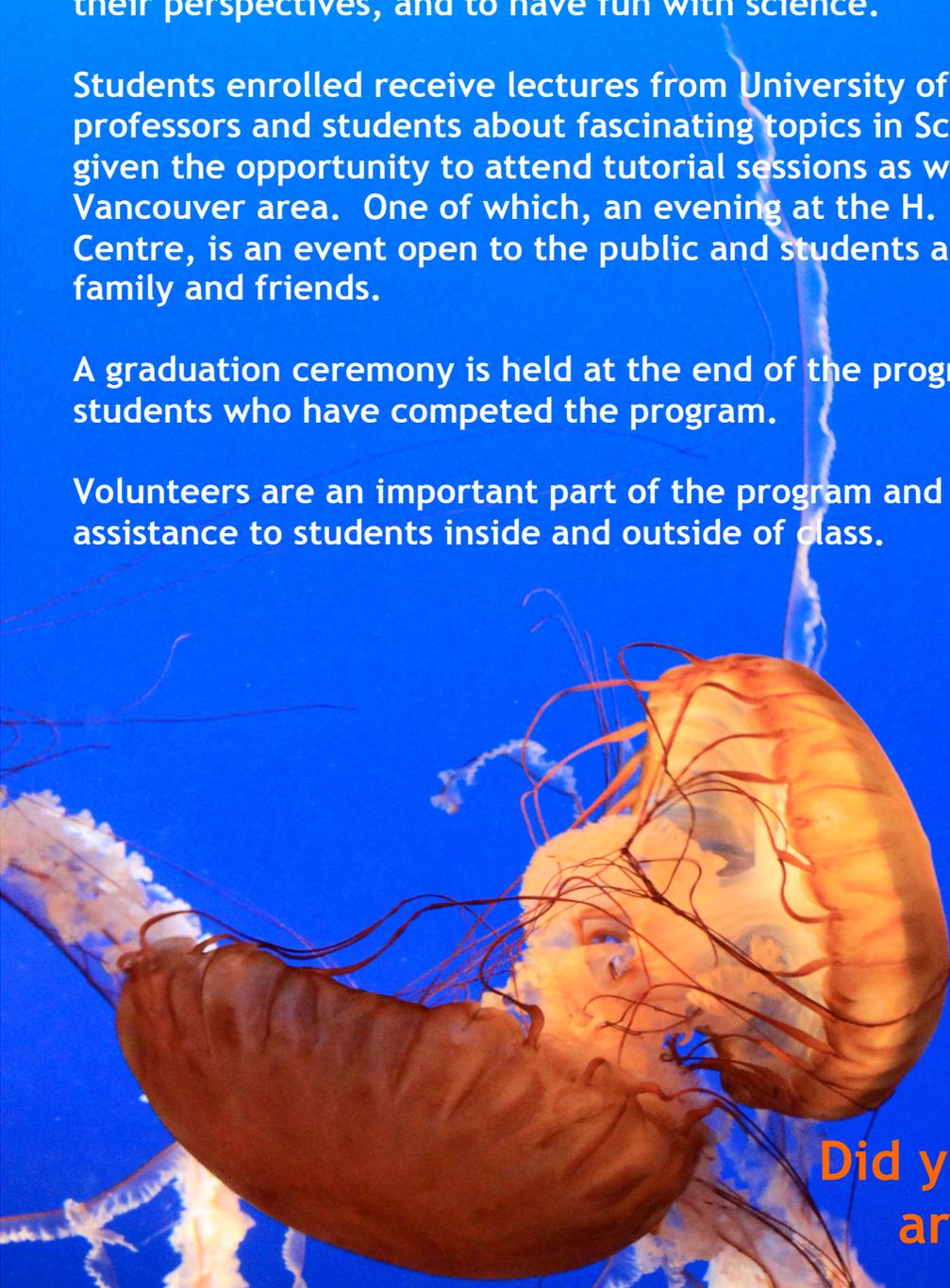
There are no fees associated with the course and no pre-requisite knowledge is required. No university credit is given upon completion. The program is sponsored by the University of British Columbia Faculty of Science Dean's Office and private donations.

The objective of the program is to give students an introduction to topics in science, to help them better understand the world around them, to broaden their perspectives, and to have fun with science.

Students enrolled receive lectures from University of British Columbia professors and students about fascinating topics in Science. Students are also given the opportunity to attend tutorial sessions as well as field trips in the Vancouver area. One of which, an evening at the H. R. MacMillan Space Centre, is an event open to the public and students are encouraged to bring family and friends.

A graduation ceremony is held at the end of the program to honor the students who have completed the program.

Volunteers are an important part of the program and are available to provide assistance to students inside and outside of class.



**Did you know jellyfish  
are a low fat meal?**

A close-up photograph of yellow lily flowers with dark brown spots on their petals. The flowers are set against a clear, bright blue sky. The image is positioned on the left side of the page, with the text on the right.

## Academics

At the end of the Science 101 program students are required to complete a final project. The purpose of the final project is to give students the opportunity to further explore a scientific topic of their choice and to share with others what they have learned. The topic may be something previously covered in class or only briefly touched upon. The only requirement is that the topic is scientific and relevant to the course.

Students are given the opportunity to display their projects at the graduation ceremony.

The projects involve a wide range of topics and are often presented in a variety of formats, including posters.

**Did you know the flower is the reproductive organ of a plant?**

# A message from Dr. Simon Peacock, Dean of Science

Dear graduates:

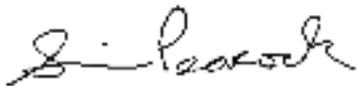
On behalf of the Faculty of Science, congratulations on your graduation from Science 101!

When looking back on what you have learnt through the Science 101 program, I hope you'll find you now have a better understanding of science and have gained new perspectives on the world around you. The knowledge and insight you have acquired provides you with a foundation to more fully understand and approach scientific topics you may encounter in the future, either in your everyday life or academically.

Science 101 has provided you with an excellent introduction to many scientific topics and has hopefully ignited your passion to continue learning about science.

Congratulations on your achievement!

Sincerely yours,



Simon Peacock  
Dean  
Faculty of Science



**Did you know a cocoon is spun of silk?**

# A message from Lesley Keeley, Lead program coordinator

Dear Graduates,

As Science 101 comes to an end for its twelfth year, I was honoured to have been selected as this year's lead coordinator. This program has taken my life on a journey that far exceeded my expectations. Participating in such a valuable program leaves me with feelings of gratitude and respect. When I talk about this program among friends, family members and colleagues around the country its clear how important programs like Science 101 truly are to students. It is my hope and belief that this program will expand to other universities.

Throughout the summer the Science 101 students participated in numerous lectures carried out by professors and graduate students who volunteered their time. Many of the lecturers have been participating in Science 101 for several years. We truly appreciate your dedication! We recruited a few lecturers this summer as well. Hopefully they will continue to support this program in future years. Along with the fabulous lectures, the students were able to attend several field trips that included: Science Worlds Omnimax Theatre, Langara College, Pacific Spirit Regional Park, H.R. MacMillan Space Centre, St. Paul's Hospital, Vancouver Aquarium, Capilano Suspension Bridge, UBC Anthropology Museum, and UBC Nitobe Gardens. They also had the privilege of touring the UBC Beaty Biodiversity Museum before it opens in the fall. In a few shorts months, the students were given the opportunity to investigate and explore many science topics. It was wonderful to see the students immerse themselves in each topic area.

I would like to say thank you to UBC and the Faculty of Science for continuing to support such a rewarding program. A special thank you to Nancy Cook and Dr. Ian Cavers for allowing me to coordinate Science 101 and for all your advice, guidance and extra effort towards Science 101, Thanks so much! Thanks to Amanda Catching and Leigh Hobbs for all your help throughout the program. I would also like to thank all the people who contribute to Science 101 each year including Downtown Eastside Organizations (especially the UBC Learning Exchange staff), all the outstanding Lecturers who did a phenomenal job, the dedicated volunteers for their countless hours of dedication to the program, and the wonderful mentors for their guidance and encouragement to the students. Finally, I would like to thank all the incredible students who participated in Science 101. Thanks for all your patience, thanks for your dedication and commitment to the program. I hope you enjoyed each lecture and field trip as much as I did and while you move forward remember to continue to ask questions!!

I wish you all the best in your future life endeavours, whatever they may be.

Yours Sincerely,

Lesley Keeley

Did you know flowering plants  
are also called angiosperms?

# A message from Leigh Hobbs, Assistant Program Coordinator

Dear Graduates,

For me, the final days of this year's Science 101 program have been bittersweet. As excited as I am to see the year come to a successful close, I feel that I am just getting to know many of you and will miss the experience of your enthusiasm and unique personalities. To the students, you've definitely made life interesting. Your perspectives and comments were insightful and you always made me laugh. You were so inquisitive and eager to learn about whatever topics were being presented; areas as diverse as astronomy, physiology and botany were met with the same degree of interest and speculation. Doubtless, this was in no small part due to the lecturers who so generously donated their time to the program. The passion they have for their fields, and learning in general, made it easy to share in the enthusiasm they generated in the classroom.

While the quality of the students and the lecturers are critical to the success of the program, there are many others whose work behind the scenes is just as invaluable, and without which the Science 101 program would never get off the ground. Lesley, it was a pleasure working with you. Thank you to Nancy and Dr. Cavers for their support, to Dr. Harrison for giving the graduation speech, and to Ciaran Llachlan for hosting the graduation ceremony. Many thanks as well to Amanda. Your willingness to share your experiences with the program was a great help. Finally, we can't forget the tutorial presenters and volunteers and all those whose contributions made the yearbooks possible.

Science 101 is such an amazing program, one that wouldn't be possible without the involvement of so many wonderful people. I am so glad that I was able to be a part of the program and have learned a lot from this experience, both inside and outside the classroom.

I hope that Science 101 has in some way contributed to helping you in your pursuits and I wish you the best of luck. Congratulations to this year's graduates!

Sincerely,  
Leigh

Did you know fireworks need oxygen to burn?

# Program schedule

## May

Monday	Tuesday Lecture 6 to 8:30pm UBC campus	Wednesday Tutorial 3 to 5pm UBC Learning Exchange	Thursday Lecture 6 to 8:30pm UBC campus	Friday
3 Orientation	4 Dr. Anthony Giffiths "How to think about Science"	5 No Tutorial	6 Dr. Chris Waltham "Infra-red radiation"	7
10	11 Dr. Jaymie Matthews "Mapping the universe"	12 Dmitry Mebel "Drugs of abuse"	13 Dr. Jaymie Matthews "Where will Avatar 2 be set?"	14
17	18 Dr. Iyer Subramaniam "Chemistry and computers"	19 Dmitry Mebel "Local and general anesthetic"	20 Dr. Jim Rupert "Evolution"	21 Field trip to Science World Omnimax
24	25 Dr. Andrew Mosi "The chemistry of food"	26 Leigh Hobbs "An introduction to human physiology"	27 Eugene Barsky "The science library"	28 "Chemistry of food" lab at Langara College

# June

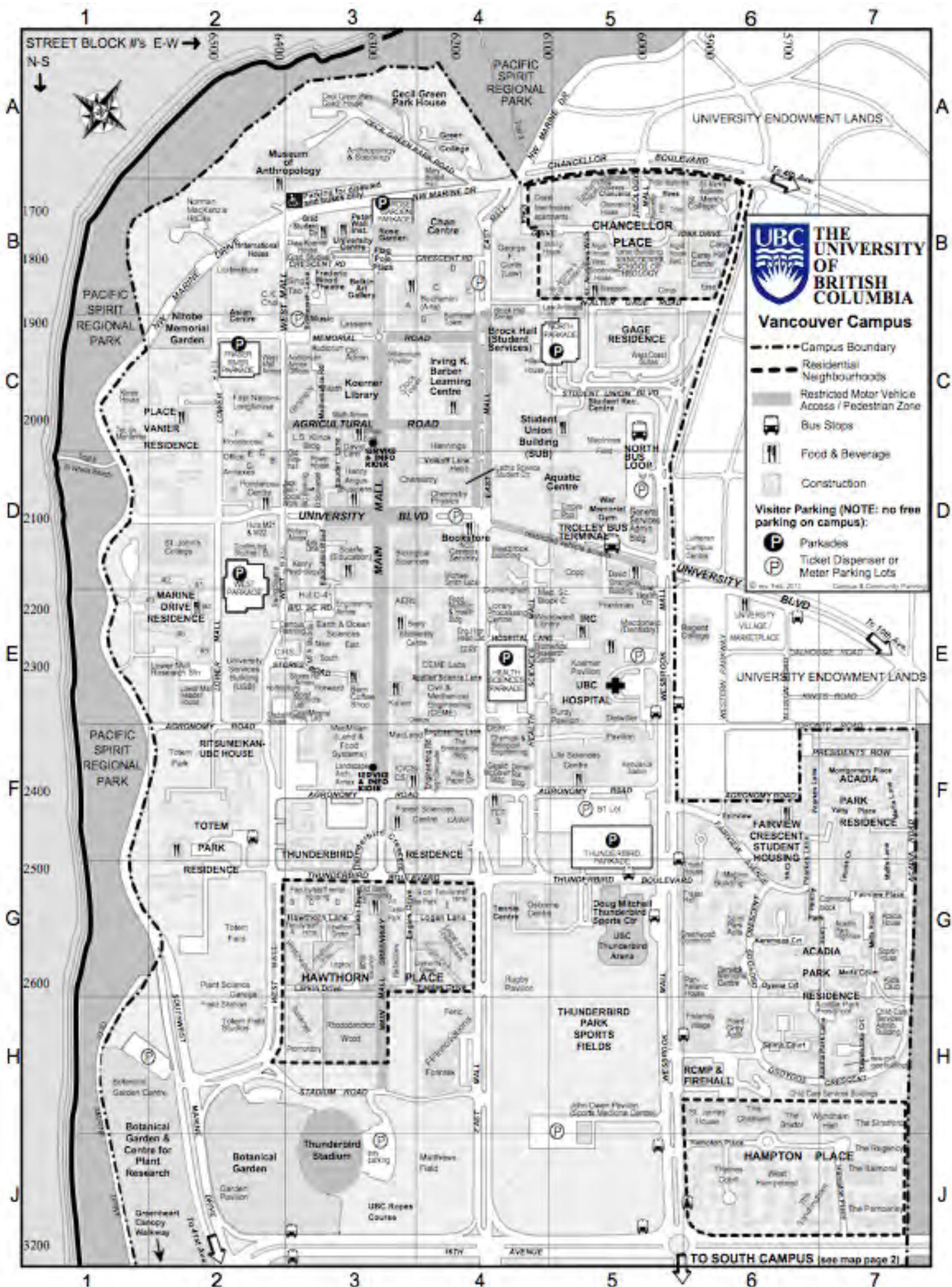
Monday	Tuesday Lecture 6 to 8:30pm UBC campus	Wednesday Tutorial 3 to 5pm UBC Learning Exchange	Thursday Lecture 6 to 8:30pm UBC campus	Friday
	1 Field trip to Triumf	2 Leigh Hobbs "Respiratory physiology"	3 Eric Johnson "The information superhighway of the cell"	4
7	8 Dr. Phil Hammer "Mega-quake in south-West BC"	9 Field trip to Vancouver Aquarium	10 Rodolfo Dominguez "Surface tension"	11
14	15 Dr. Carol-Ann Courneya "The heart"	16 Eugene Wang "DNA, genes, and cancer"	17 Tour of Museum of Anthropology & Dr. Phil Austin "Atmospheric science"	18
21	22 Dr. Shona Ellis "The sex life of plants"	23 Jenn Burt "Pacific salmon ecology"	24 Dr. J. C. Ambrose "What does it mean to clone a gene?"	25 Field trip to Camosun Bog & "Tiny plants of the forest" lab
28	29 Midterm break	30 Midterm break		

# July

Monday	Tuesday Lecture 6 to 8:30pm UBC campus	Wednesday Tutorial 3 to 5pm UBC Learning Exchange	Thursday Lecture 6 to 8:30pm UBC campus	Friday
			1 Midterm Break	2
5	6 Dr. Mona Kwong "Introduction to pharmaceutics" Lab I	7 Lisa Wong "Influenza and vaccines"	8 Peter Raven "Biodiversity of fish"	9 Open House at the HR MacMillan Space Centre
12	13 Tour of Nitobe Memorial Gardens & Ciaran Llachlan Leavitt "The mathematics of evil"	14 Elena Zaikova "Climate change and ecosystems"	15 Dr. Ellen Rosenberg & Dr. David Walker "The basic structures of life" at St. Paul's Hospital	16
19	20 Kate Pettem & Julie Robillard "An introduction to neuroscience and brain diseases"	21 Leigh Hobbs "HIV and AIDS"	22 Dr. Peter Newbury "Fixing the universe"	23
26	27 Tour of Beatty Biodiversity Museum & Ciaran Llachlan Leavitt "Computer science information visualization"	28 Leigh Hobbs "How to use powerpoint"	29 Alan DeBono "The world of the cell"	30 Field trip to Capilano Suspension Bridge

# August

Monday	Tuesday Lecture 6 to 8:30pm UBC campus	Wednesday Tutorial 3 to 5pm UBC Learning Exchange	Thursday Lecture 6 to 8:30pm UBC campus	Friday
2	3 Dr. Julian Davis "The antibiotic paradox"	4 Work on final project	5 Dr. Mona Kwong "Introduction to pharmaceutics" lab II	6
9	10 Dr. Normal Flynn "The philosophy of science"	11 Work on final project	12 Graduation ceremony	13
16	17	18	19	20
23	24	25	26	27
30	31			



**Vancouver Campus**

- Campus Boundary
  - Residential Neighbourhoods
  - Restricted Motor Vehicle Access / Pedestrian Zone
  - Bus Stops
  - Food & Beverage
  - Construction
- Visitor Parking (NOTE: no free parking on campus):**
- Parkades
  - Ticket Dispenser or Meter Parking Lots
  - Construction

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# Map Directory

Site or Building Name & Address	Grid
Abdul Latif Science Student Cr., 2055 East Mall	D4
Acadia/Fairview Commons/Bldg, 2707 Tennis Cres	G7
Acadia House, 2750-2725 Acadia Rd	G7
Acadia Park Residence	F1H-G7
Acadia Park Highway, 2725 Maffa Rd	G7
Acadia Park Preschool, 2750 Acadia Park Lane	H7
Animal Care Centre, 6199 S. Campus Rd	South Campus
Animal Science S. Campus Bldgs, 3473 Westbrook Mall	South Campus
Anthropology & Sociology Bldg, 6303 NW Marine Dr	A3
Aquatic Centre, 6121 University Blvd	D5
Aquatic Ecosystems Research Lab (AERL), 2202 Main Mall	E3
Arts One Bldg — see Theatre-Film Production Building	
Asian Centre, 1871 West Mall	B2
Auditorium, 6344 Memorial Rd	G3
Art One Bldg	C3
Auditorium Annex Offices, 1924 West Mall	C3
Ban Coffee Shop, 2023 Main Mall	E3
B.C. Binning Studios (formerly Hut M-17), 6373 University Blvd	D3
Beary Biodiversity Centre & Museum, 2242 Main Mall	E3H
Beikin (Morris & Helen) Art Gallery, 1825 Main Mall	B3
Berwick Memorial Centre, 2765 Osoyoos Cres	G6
Biological Archive Centre, 4006 Westbrook Mall	South Campus
Biological Sciences Bldg (Science Faculty office), 6270 University Blvd	D3
Biomedical Research Cr., 2222 Health Sciences Mall	E4
Biotechnology Laboratory, 2125 East Mall	D4
Bolton (Mary) Hall, 6255 NW Marine Dr	A4
Bookstore, 6200 University Blvd	D4
Botanical Garden Centre/Greenhouse, 6804 SW Marine Dr	H1
Botanical Garden Pavilion (enter at Gatehouse), 6804 SW Marine Dr	J2
Botan. Gard. Greenhouse/Workshop, 6388 S. Campus Rd	South Campus
Botany Annex, 6388 University Blvd	D3
Brimacombe Building, 2355 East Mall	F4
<b>BRICK HALL — Student Services &amp; Welcome Centre,</b> 1874 East Mall	C4
Book Hall Annex, 1874 East Mall	C4
Buchanan Building (Blocks A, B, C, D, & E) (Arts), 1868 Main Mall	B3A
Buchanan Tower, 1873 East Mall	C4
C.K. Choi Building for the Institute of Asian Research, 1855 West Mall	B2
Campus & Community Planning, 2240 West Mall	E3
Campus Security, 2133 East Mall	D4
Carry Centre, 5920 Iona Drive	B6
Carry Hall, 1815 Westbrook Mall	B6
CAMP (Centre for Advanced Wood Processing), 2424 Main Mall	F4
Cecil Green Park Coach House, 6323 Cecil Green Park Rd	A3
Cecil Green Park House, 6201 Cecil Green Park Rd	A3
CEME — see Civil & Mechanical Engineering Building	
Centre for Comparative Medicine (under construction), 4145 Westbrook Mall	South Campus
Centre for Interactive Research on Sustainability (CIRS) (under construction), 2260 West Mall	E3
CERC (Clean Energy Research Cr.), 2360 East Mall	F4
Chan Centre for the Performing Arts, 6265 Crescent Rd	B4
Chancellor Place neighbourhood	B5
Chemical & Biological Engineering Bldg, 2350 East Mall	F4
Chemistry Building, 2039 Main Mall	D3
Chemistry Physics Building, 6221 University Blvd	D3
Child Care Services Admin. Bldg, 2881 Acadia Rd	H7
Child Care Services Bldgs, Osoyoos Cres and Revelstoke Cr.	H7
Civil & Mechanical Engineering Bldg (CEME), 6250 Applied Science Lane	E4
Civil & Mechanical Eng. Labs ("Rusty Hut"), 2275 East Mall	E4
Coal & Mineral Processing Lab, 2330 West Mall	E3
Continuing Studies Bldg (English Language Institute), 2121 West Mall	D2
Coop (D.H.) Building, 2146 Health Sciences Mall	D5
Cunningham (George) Building (Pharmaceutical Sc.), 2146 East Mall	D4
Curtis (George F.) Building (Law), 1822 East Mall	B4
David Lam Learning Centre, 6326 Agricultural Rd	C3
David Lam Management Research Cr., 2033 Main Mall	C3
Donald Rie Building, 2385 Health Sciences Mall	F4
Doug Mitchell Thunderbird Sports Cr. (was Thunderbird Winter Sports Centre), 6065 Thunderbird Blvd	G5
Dorothy Somerset Studios (formerly Hut M-18), 6361 University Blvd	D3
Earth & Ocean Sciences (EOS) - East, 2219 Main Mall	E3
Earth & Ocean Sciences (EOS) - Main and South, 6336 Stores Rd	E3
Earthquake Engineering Research Facility (EERF), 2235 East Mall	E4
Engineering Annex, 6298 Biological Sciences Rd	E3
Engineering High Head Room Lab, 2225 East Mall	E4
Environmental Services Facility, 6025 Nurseries Rd	South Campus
Faculty of Law Annexes 1 and 2, 6030 and 5020 Walter Gage Rd	B4S
Fairview Crescent Student Housing, 2600-2604 Fairview Cres	F5
Fire Department, 2662 Westbrook Mall	H6
First Nations Longhouse, 1985 West Mall	C2
Flag Pole Plaza (Main Mall & Crescent Rd)	B3
Food, Nutrition and Health Bldg, 2225 East Mall	E4
Forest Sciences Centre (Faculty of Forestry), 2424 Main Mall	F4
Forward (Frank) Building, 6330 Stores Rd	E3
FPInnovations (Franc and Fornsak), 2601/2665 East Mall	H4
Fraser Hall (public rental housing), 2355 Westbrook Mall	G8
Fraternity Village, 2880 Westbrook Mall	H6
Frederic Wood Theatre, 6354 Crescent Rd	B3
Friedman Bldg, 2177 Westbrook Mall	E5
Gage Residence, 5950 Student Union Blvd	C5
General Services Administration Bldg (GSAB), 2075 Westbrook Mall	D5
Geography Building, 1864 West Mall	C3
Gerrit McGavin Building, 2385 East Mall	F4
Graduate Student Centre (The Koerner House), 6371 Crescent Rd	B3
Green College, 6201 Cecil Green Park Rd	A4

Site or Building Name & Address	Grid
Greenhead Canopy Walkway, Botanical Garden, 6804 SW Marine Dr	H1
Greenwood Commons (public rental housing), 2660 Westbrook Mall	G6
Hampden Place neighbourhood	H1-G7
Hawthorn Place neighbourhood	G8H3
Heco Building, 2045 East Mall	D4
Hennings Building, 6224 Agricultural Rd	D3
Henry Angus Building (Sauder School of Business), 2053 Main Mall	C4
Hillside House (new bldg construction), 6145 Student Union Blvd	C4
Jack Bell Building for the School of Social Work, 2280 West Mall	D3
Healthcare Building/Greenhouse, 6304 Stores Rd	E2H3
High Damper Pavilion, 6045 Agronomy Rd	F4
Hut M-21 & Hut M-22, 2109 West Mall	D2
Hut O-4, 6365 Biological Sciences Rd	E3
IC3/ICS (Institute for Computing, Information & Cognitive Systems/ Computer Science - formerly CCSI/ICS), 2366 Main Mall	F4
Instructional Resources Centre (IRC), 2194 Health Sciences Mall	E5
International House, 1780 West Mall	B2
In-Vessel Composting Facility, 6035 Nurseries Road	South Campus
Ivring K. Barber Learning Cr. (former Main Library), 1981 East Mall	C4
Jack Bell Building for the School of Social Work, 2280 West Mall	D3
John Owen Pavilion & Allan McQueen Sports Medicine Centre, 3055 Westbrook Mall	H5
Kaiser (Fred) Building (Faculty of Applied Science), 2032 Main Mall	E3
Kenny (Douglas T.) Building, 2136 West Mall	D3
Kids Club, 2855 Acadia Rd	G7
Klink (Leonard S.) Bldg, 6356 Agricultural Rd	C3
Koerner (Walter C.) Library, 1958 Main Mall	C3
Landscape Architecture Annex, 2371 Main Mall	F3
Lassene (Frederic) Building, 6333 Memorial Rd	C3
Leon and Thea Koerner University Centre, 6331 Crescent Rd	B3
Library Processing Centre, 2026 East Mall	E4
Life Sciences Centre, 2360 Health Sciences Mall	F5
LiU Institute for Global Issues, 6476 NW Madro Dr	B2
Lower Mail Header House, 2268 Lower Mall	E2
Lower Mail Research Station, 2259 Lower Mall	E2
Macdonald (J.B.) Building (Dentistry), 2199 Westbrook 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 (student housing), 2235 Lower Mall	D2
Material Recovery Facility, 6055 Nurseries Rd	South Campus
Mathematics Annex, 1986 Mathematics Rd	C3
Mathematics Building, 1984 Mathematics Rd	C3
Milner (James) Building, 6804 Fairview Ave	G6
Medical Sciences Block C, 2175 Health Sc. Mall	E4
M.F.A. Studios (formerly B.C. Binning MFA Studios), 6363 Stores Rd	E4
Michael Smith Laboratories, 2185 East Mall	D4
Museum of Anthropology, 6380 NW Marine Dr	A2H3
Music Building, 6361 Memorial Rd	B3C3
Networks of One of Excellence (NOE), 2125 East Mall	D4
Niobe Memorial Garden, 1823 West Mall	B2C2
Norman MacKenzie House, 6595 NW Marine Dr	B2
NRC Institute for Fuel Cell Innovation, 4250 Westbrook Mall	South Campus
NRC Administration Building, 6328 Memorial Rd	C3
Old Barn Community Centre, 6366 Thunderbird Blvd	G3
Old Freshat, 2038 West Mall	D3
Orchard House, 2336 West Mall	E2
Osborne (Robert F.) Centre/Gym, 6168 Thunderbird Blvd	G4

Site or Building Name & Address	Grid
Panhellenic House, 2770 Westbrook Mall	G6
PARRICAN Building, 3800 Westbrook Mall	South Campus
Peter Wall Institute for Advanced Studies, 6331 Crescent Rd	B3
Place Vanier Residence, 1935 Lower Mall	C0D2
Plant Ops Nursery/Greenhouses, 6020 Nurseries Rd	South Campus
Plant Science Field Station & Garage, 2913 West Mall	H2
Point Grey Apartments, 2875 Osoyoos Cres	C6
Police (RCMP) & Fire Department, 2990/2992 Westbrook Mall	H6
Ponderosa Centre, 2011 West Mall	C0
Ponderosa Office Annexes A, B, & C, 2011-2029 West Mall	C0C2
Ponderosa Office Annexes E to H, 2008-2074 Lower Mall	C0C2
Power House, 2040 West Mall	C0
Pulp and Paper Centre, 2385 East Mall	F4
Ribumekan-UBC House, 6450 Agronomy Rd	F2
Rodney Graham Millennium Pavilion	C3
Rose Garden	B3
Rugby Pavilion, 2584 East Mall	G4
Searle (Neville) Building (Education), 2125 Main Mall	C0
Sing Tao Building, 6388 Crescent Rd	B3
Soprano House, 2730 Acadia Rd	G7
South Campus Warehouse, 6118 Nurseries Rd	South Campus
Spirit Park Apartments, 2705-2725 Osoyoos Cres	G6
St. Andrew's Hall/Residence, 6040 Iona Dr	B5
St. John's College, 2111 Lower Mall	C0
St. Mark's College, 6055 Iona Dr	B6
Staging Research Centre, 6018 Nurseries Rd	South Campus
Stores Road Annex, 6366 Stores Rd	E3
Student Recreation Cr., 6300 Student Union Blvd	C3
Student Union Bldg (SUB), 6136 Student Union Blvd	C4
Technology Enterprise Facility 5 (TEF5), 6180 Agronomy Rd	F4
Thea Koerner House (Graduate Studies), 6371 Crescent Rd	B3
Theatre-Film Production Bldg (was Arts 1 Bldg), 6350 University Blvd	D3
Thunderbird Residence, 6335 Thunderbird Cres	F3H4
Thunderbird Stadium, 6288 Stadium Rd	J3
Thunderbird Winter Sports Cr. — see Doug Mitchell Thunderbird Sports	
Tolan Field Studios, 2810 West Mall	H2
Team Park Residence, 2025 West Mall	F0G2
TRIUMF 4004 Westbrook Mall	South Campus
Triumf House (TRIUMF Visitor's Residence), 5835 Thunderbird Blvd	G6
UBC Farm, 6152 Westbrook Mall	South Campus
UBC Hospital, 2211 Westbrook Mall	E5
UBC Tennis Centre, 6165 Thunderbird Blvd	G4
UBC Thunderbird Arena, 2955 Westbrook Mall	G5
University Centre (Leon & Thea Koerner), 6331 Crescent Rd	B3
University Services Building (USB), 2329 West Mall	E2
Vancouver School of Theology, 6003 Iona Drive	B5
Walter H. Gage Residence, 5950 Student Union Blvd	C5
War Memorial Gymnasium, 6081 University Blvd	D5
Westbrook Bldg, 6174 University Blvd	D4
Westbrook Place neighbourhood (under construction)	South Campus
Westbrook 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 RC, 2194 Health Sciences Mall	E4S
Woodward Library, 2190 Health Sciences Mall	E4S

## SOUTH CAMPUS MAP

© rev. February 2010  
Campus & Community Planning  
[www.planing.ubc.ca](http://www.planing.ubc.ca)

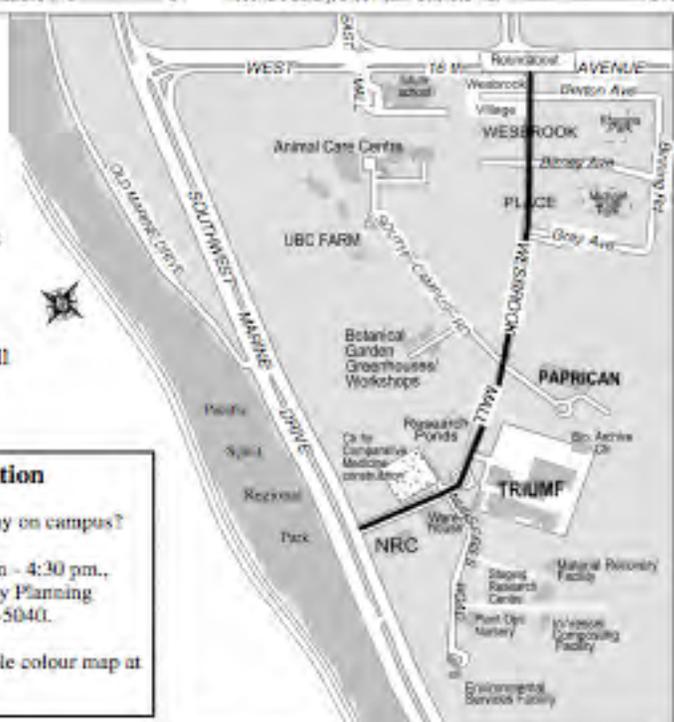
**Note:**  
Local traffic only  
along Westbrook Mall  
on South Campus

### Map Information

Need help finding your way on campus?

Monday to Friday, 8:30 am - 4:30 pm.,  
call Campus & Community Planning  
Map Info Line at 604-827-5040.

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



# The students

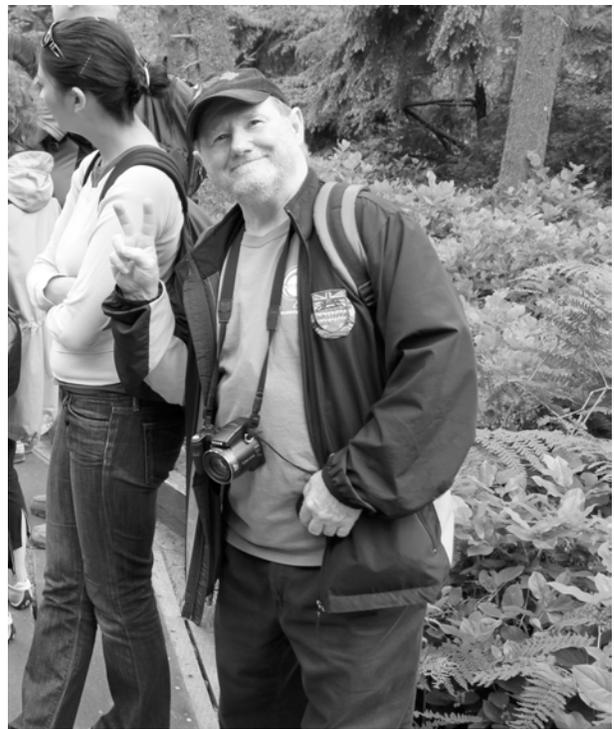
## Jean-Pierre Loiseau

has trouble picking just one memorable experience from Science 101.

“The lectures greatly improved my understanding of the world... This introductory Science course enriched my views from the incredibly small to the infinitely immense... Science 101 opened the doors to many topics.”

Jean-Pierre hopes that his Science 101 classmates enjoyed the lectures as much as he did!

Jean-Pierre and Dr. Carol-Ann Courneya looking at his ECG reading.



Jean-Pierre and Lisa (volunteer) in Camosun Bog with Dr. Shona Ellis.

# Joe Wong

My most memorable experience in Science 101 was being taught by great professors on UBC campus.

“Science has lots to offer in understanding the world we live in”.

The topics Joe found most engaging were those that were still being debated in Science.

Joe at the Beaty Biodiversity Museum holding a baleen, the mouth structure blue whales use to filter feed.



Science 101 has motivated Joe to consider a degree in Science in the future.



Joe assembling a telescope to look at the moon. Dr. Peter Newbury’s lecture on “Fixing the Universe”

# Brett Lindsey

had only a few words to say about the program, but was clear that he “loved Science 101”.

His most “memorable experience was learning”. He enjoyed topics in Atmospheric Science and Microbiology.



Brett using a telescope to look at the moon. Dr. Peter Newbury’s lecture on “Fixing the Universe”.

To his classmates, Brett says “keep it real, see you on the outside”.



Brett at the Beaty Biodiversity Museum

# Il Yong Choe

enjoyed the Science 101 program, especially the activities involving experiments and field trips.

He found topics about Biology the most engaging, since he did not study that much before. He “could make sense of... biology through the use of computer graphics”.



Il Yong at the Beaty Biodiversity Museum

He was “able to understand the Science of many fields... it was useful to broaden his way of thinking”.



Jose, Il Yong, and Robert in the UBC Nitobe Memorial Gardens

“I appreciate the instructors, coordinators, mentors, and volunteers who contributed to Science 101”.

# Eric Wilson

will remember most “eating ice cream made from liquid nitrogen and making it with ice, the evening at the Space Centre and all the drinks and pizza”.



Eric and on the nature walk at Capilano.



Eric and Scott during Ciaran Llachlan Leavitt’s lecture on “Computer science information visualization”.

The topics Eric found most engaging were “Mapping the universe”, “The Chemistry of food”, “Megaquake in South-west BC”, and the “Biodiversity of fish”.

Eric would recommend Science 101 to other students. He thinks that more Natives should learn about Science.

# Darrell Edgelow

Darrell's most memorable experiences with the Science 101 program were the trip to Science World OMNIMAX and the Stanley Park Aquarium 4D show.



Brett, Darrell and Ciaran Llachlan.  
Ciaran Llachlan Leavitt's lecture on  
"The Mathematics of Evil".



Il Yong, Brett, Darrell  
and Jose out front of  
the Vancouver  
Aquarium.

"I think that Science 101 provided a pretty good understanding of all the different scientific areas of the world from atoms to Earth quakes". "The program gave me a better understanding of life on planet Earth".

The topic that Darrell found most engaging was the lecture on "The Heart" since he has a medical condition and needs a pacemaker.

To his classmates, Darrell says "good luck on your future endeavors. Peace and love!"

# Sharon Chen

My most memorable experiences in Science 101 are the TRIUMF tour, making “brownies” at the Chemistry lab at Langara College, dissecting plants and using microscopes in the “Tiny Plants of the Forest” lab, and making ice cream with liquid nitrogen.



Sharon using a microscope to look at dissected plants. “The tiny plants of the forest” lab with Dr. Shona Ellis.

The topics that Sharon found most engaging were when Dr. Waltham used a thermal camera to demonstrate infrared, mapping the universe because she liked how Dr. Matthews used daily life and video clips to understand the universe, and the “Sex Life of Plants” because she now understand how plants reproduce”.

“I want to thank all the professors and everybody who came to Science 101 to give lectures”.

Sharon at the Beaty Biodiversity Museum.



# Scott Wilson

My most memorable experience in Science 101 was the visit to TRIUMF.

Since I am studying Science in school, the program will help me in my future pursuits. “I enjoyed how many areas of science the program touched base with. The myriad of subjects really got me thinking, scientifically”.

The topics I found most engaging were “those that related to health and bodily function”.



Scott crossing the Capilano Suspension Bridge.

“I would like to thank the University of British Columbia and all of the people that have donated their time and made this program possible”.



Group photo at Capilano.

# Jose Ibusca

For Jose, Science 101 is “a stimulus to anybody’s quest for knowledge of learning subjects in Science”.

He found the lectures helped with his understanding of the world. He learned how mice are cloned, about planets, and mega-quakes in South-west BC, among other things.

To his classmates, Jose says, “taking Science 101 is a good warm up to pursue university education, why not go for it? In the end you will find that Sciences are amazing, liberating, phenomenally incredible, and productive. Thank you to all the people involved in the program. To my fellow students, I wish you good luck in your future pursuits”.



Jose with a telescope. Dr. Peter Newbury’s lecture on “Fixing the universe”.



Jose on the “Tree top adventures” at Capilano.

# Camilo Augusto

enjoyed every opportunity to socialize with his classmates and the tutorial classes. He particularly enjoyed the lectures on Chemistry, Surface Tension, Mathematics, the weather and climate, and plants.

Science 101 contributed in a huge way to his understanding of the world.

“This class is good for immigrants... to learn more about Vancouver and British Columbia”.



Camilo in Camosun Bog, “Tiny Plants of the Forest” field trip with Dr. Shona Ellis.

The course has contributed to his personal academic accomplishments. Camilo encourages his classmates to “keep driving yourself in a positive way”.



Camosun Bog with Dr. Shona Ellis.

# Student

I learned many things in Science 101, including “that there are at least 2 non-mainstream ways to make ice cream... in Andrew and Mona’s lectures”. “I learnt an appreciation of Science. I also gained knowledge about areas I previously knew very little, or nothing at all. I was very impressed by the enthusiasm displayed by the different presenters... and for their graciousness, good humor, and patience... A big thank you to all!”

To my classmates, “I hope that everyone enjoyed the different presentations as much as I did... and that those that wish to take further courses will persevere. Good luck and all the best to everyone”.



Group photo at the Beaty Biodiversity Museum.

“This has been an amazingly supportive program. Thank you to UBC, all of those that gave presentations, and to those who helped shepherd the group from one activity to another!”

# Wendy Chew

One of Wendy's most memorable Science 101 experiences was the "outing to Capilano Suspension Bridge".



Wendy looking at organisms under the microscope at the Beaty Biodiversity Museum.

"It is so wonderful and I appreciate that we have the opportunity to attend science class. The human brain and measuring how the days are counted" are topics "I have never learned about. I enjoyed all the professors' lectures".

"It is such a broad and interesting theme for all of us and valuable to gain this knowledge".

"It makes my mind optimistic to learn about Science".

Wendy on the nature walk at Capilano.



# Alumni mentors

## Ken Koo

Ken's most memorable Science 101 experience is being able to come back to the program as an alumni mentor.

Ken, a former Science 101 student, thinks Science 101 "is a great program for everyone".



Ken in Camosun Bog on "The Tiny Plants of the Forest" field trip with Dr. Shona Ellis.

Science 101 helped "me to see things I never understood before from Twilight Zone".



Ken and Joe on the Capilano Suspension Bridge.

# Shahla Masoumnejad

Shahla's most memorable experiences were all the field trips, especially the tour of TRIUMF.



Shahla with her ECG from Dr. Carol-Ann Courneya's lecture on "The heart".



Ken and Shahla showing the snacks they diligently prepared for the class every lecture.

"Science 101 is a gate to the world of Science. It introduces Science to the students in an understandable way so everyone can choose his or her path to this interesting world". "I can not deny the strong link between Science and our daily life. A little knowledge from Science 101 is a big help".

Shahla found the topics on the heart and the brain the most engaging. "They are two small organs with huge functions".

"A big thanks to all those that helped with Science 101".

A former Science 101 student herself, Shahla was awarded an education bursary and was able to take a Women's Studies course at UBC.

# Signatures

# Graduation invitation



## **Class of '10**

You are cordially invited to an evening of celebration in honor of the graduation of the

## **Science 101 class of 2010**

**Thursday August 12, 2010**

**Food and refreshments from 4:30pm**

**Ceremony at 5:30pm**

**Project display from 4:30 to 5:30 and 6:30 to 7:30pm**

**Michael Smith Building, room 101**

**2185 East Mall**

**University of British Columbia**

**Please RSVP to [science101@science.ubc.ca](mailto:science101@science.ubc.ca)  
by Monday July 19, 2010**

# Acknowledgments

We are thankful to those that helped make the Science 101 Program possible.

## **Dean's Office, Faculty of Science, University of British Columbia**

Dr. Simon Peacock, Dean of Science

Dr. Ian Cavers, Associate Dean of Curriculum and Learning

Dr. Paul Harrison, Associate Dean of Student Services

Nancy Cook, Teaching and Curriculum Coordinator

## **Program coordinators**

Lesley Keeley & Leigh Hobbs

## **Lecturers**

Dr. Anthony Griffiths, Dr. Chris Waltham, Dr. Jaymie Matthews, Dr. Iyer Subramanian, Dr. Jim Rupert, Dr. Andrew Mosi, Eric Johnson, Dr. Phil Hammer, Rodolfo Dominguez, Dr. Carol-Ann Courneya, Dr. Phil Austin, Dr. Shona Ellis, Dr. J. C. Ambrose, Peter Raven, Ciaran Llachlan Leavitt, Dr. Ellen Rosenberg & Dr. David Walker, Kate Pettem & Julie Robillard, Dr. Peter Newbury, Alan DeBono, Dr. Julian Davis, Dr. Mona Kwong, Dr. Norman Flynn

## **Tutorial presenters**

Dmitry Mebel, Eugene Wang, Jenn Burt, Elena Zaikova, Lisa Wong

## **Volunteers**

Lisa Wong, Elena Zaikova, Sebastian Gallego, Eugene Wang, Parmida Behmardi, David Joncas

## **Science 101 Alumni Mentors**

Ken Koo & Shala Masoumnejad

## **Field trips**

The H.R. MacMillan Space Centre, The Vancouver Trolley Company, Langara College, the Beaty Biodiversity Museum, TRIUMF, the Nitobe Memorial Gardens, the Vancouver Aquarium, Science World, Capilano Suspension Bridge, Museum of Anthropology

The UBC Learning Exchange

Margot Leigh Butler & Paul Woodhouse from Humanities 101

Ciaran Llachlan Leavitt for hosting the graduation ceremony

And last but not least, former Science 101 Coordinators Amanda Catching & Ryanne James



**Faculty of Science**  
**University of British Columbia**  
**[www.science.ubc.ca/101](http://www.science.ubc.ca/101)**