

## **B.C. Biology Field Course Summary**

Important Note: The information listed in this grid is a guide only and should be considered unofficial and subject to change without notice. For updated information on specific field courses, you should check with the 'host' institution directly.

Following is a list of abbreviations for B.C. and Alberta institutions used in the summary:

AS	Au Sable Institute
BMS	Bamfield Marine Station
KUC	The King's University College
LANG	Langara College
MAL	Malaspina University College
OUC	Okanagan University College
SFU	Simon Fraser University
TWU	Trinity Western University
UBC	University of B.C.
UCC	University College of the Cariboo
UNBC	University of Northern B.C.
UofA	University of Alberta
UofC	University of Calgary
UVIC	University of Victoria

### Grid of Biology Field Courses Offered in BC

Host	Course #	Course Title	Location of Course	Brief Course Description
AS	BIOL 266AS	Natural History of the Pacific Northwest	Washington	Biology and environment of the plants and animals, nature of the physical environment and biogeography of the Pacific Rim in stewardship perspective.
AS	BIOL 267AS	Natural History of the Chesapeake	Tangier Island, Chesapeake Bay watershed	Ecology of natural communities and field identification of major biological components of the Chesapeake watershed.
AS	BIOL 301AS	Land Resources	Washington	Systems-level perspective on land forms and ecosystems, including analysis and interpretation of collected data.
AS	BIOL 302AS	Limnology (Water Resources)	Washington	Field study of lakes and streams with applications to planning and management.
AS	BIOL 303AS	Ecological Agriculture	Washington	Environmental analysis and natural resources in relation to people and policy.
AS	BIOL 304AS	Natural Resources Practicum: Global Development and Ecological Sustainability	Washington	Environmental analysis and natural resources in relation to society and development issues.
AS	BIOL 305AS	Ornithology	Michigan	Biology, behaviour, ecology and identification of birds.
AS	BIOL 310AS	Winter Biology	Washington	Biology and environment of northern Michigan plants and animals in winter condition.
AS	BIOL 311AS	Field Botany	Washington	Field identification and ecology of vascular plants as components of natural communities.
AS	BIOL 312AS	Insect Biology and Ecology	Washington	Study of insect taxonomy, ecology, life histories and economic importance. Attention given to stewardship issues, field methods stressed
AS	BIOL 315AS	Woody Plants	Michigan	Taxonomy, ecology, management and stewardship of trees and shrubs.
AS	BIOL 321AS	Animal Ecology	Michigan	Interrelationships between animals and their biotic and physical environments, emphasizing behavioural aspects.
AS	BIOL 322AS	Aquatic Biology	Michigan	Ecology, identification, systematics, culture and care of aquatic plants and animals, adaptations to freshwater environments.
AS	BIOL 324AS	Natural Resources Practicum: Environmental Stewardship in the Pacific Rim	Washington	Environmental analysis and natural resources in relation to people and policy in the Pacific Rim, particular focus on local and regional environmental issues and policy in the context of environmental stewardship
AS	BIOL 330	Birds and Mammals of South India	South India	Identification and ecology of birds and mammals of South India, mainly Western Ghats and Southern plains of River Cauvery.
AS	BIOL 342AS	Fish Biology and Ecology	Washington	Identification, ecology, exploitation and stewardship of fishes and their habitats.
AS	BIOL 344	Pacific Salmon and Fisheries Stewardship	Washington	Biology, ecology and stewardship of five Pacific salmon species.
AS	BIOL 346AS	Winter Stream Ecology	Washington	Geological, physical and chemical features of streams in winter, with a focus on ecological interactions and applications to the stewardship of streams and watersheds
AS	BIOL 359AS	Marine Mammals	Washington	Biology, behaviour, ecology, identification and conservation of the marine mammals of the Puget Sound, with attention to behaviour.

### Grid of Biology Field Courses Offered in BC

Host	Course #	Evaluation	Instructor's)	Credits	Dates	Length
AS	BIOL 266AS	species identification quizzes, exams, project, presentation, journals, participation.	Sheldon	3	June/July	
AS	BIOL 267AS	Quizzes, exams, report, journal, participation.		3		6 weeks
AS	BIOL 301AS	Exams, journals, workbook, participation.	Tilma	3	June/July	
AS	BIOL 302AS	Quizzes, exams, journal, participation.	Korstad	3	July/August	
AS	BIOL 303AS	exams, projects, journals, participation.	Vos	3	July/August	
AS	BIOL 304AS	Quiz, exam, reports, presentations, participation.		3		
AS	BIOL 305AS	Field identification and slide quizzes, exams, projects and field trip reports.	Blankespoor	3	May/June	
AS	BIOL 310AS	Quizzes, exams, journal, participation.		3		
AS	BIOL 311AS	2 quizzes on lab and field identification, projects, collections, exams, journal, participation.	Stysma, Foster	3	June/July & July/August	
AS	BIOL 312AS	Exams, journals, participation.	Burkholder	3	July/August	
AS	BIOL 315AS	Quizzes, exams, journal, participation.	Musselman	3	May/June	
AS	BIOL 321AS	Lecture exams, field notes, research paper	Lee, Jr.	3	June/July	
AS	BIOL 322AS	Exams, lab exams, lab reports and class participation.	Ippolito	3	June/July	
AS	BIOL 324AS	Quizzes, exams, reports, journal, participation.		3		
AS	BIOL 330	Slide quiz, species profile, field identification quizzes, exams, presentations, field journal.	Relton, Staff	3	June/July	3 weeks
AS	BIOL 342AS	Quizzes, exams, reports, journal, participation.		3		
AS	BIOL 344	Quizzes, exams, reports, journal, participation.	Cook	4	June/July	
AS	BIOL 346AS	Quizzes, exams, reports, journal, participation.		3		
AS	BIOL 359AS	Exams, journals, participation.	Horvath	3	July/August	

### Grid of Biology Field Courses Offered in BC

Host	Course #	Hours	Lecture /Lab/Seminar	Contact Info	Required Reading/Prerequisites	Associate Institute's)	Course Title
AS	BIOL 266AS	90			One course in biology	TWU, KUC	Natural History of the Pacific Northwest
AS	BIOL 267AS	90			Concurrent registration with BIOL/GEOG 427	TWU, KUC	Natural History of the Chesapeake
AS	BIOL 301AS	100			One year of introductory science	TWU, KUC	Land Resources
AS	BIOL 302AS	100			One year of general biology and one year of general chemistry	TWU, KUC	Limnology (Water Resources)
AS	BIOL 303AS	100			None	TWU, KUC	Ecological Agriculture
AS	BIOL 304AS	100			None	TWU, KUC	Natural Resources Practicum: Global Development and Ecological Sustainability
AS	BIOL 305AS	90			One course in introductory biology or zoology	TWU, KUC	Ornithology
AS	BIOL 310AS	90			One course in biology	TWU, KUC	Winter Biology
AS	BIOL 311AS	100			One year of general biology or one semester of botany	TWU, KUC	Field Botany
AS	BIOL 312AS	100			One year of general biology or one semester of general zoology	TWU, KUC	Insect Biology and Ecology
AS	BIOL 315AS	90			One year of general biology or one semester of general zoology	TWU, KUC	Woody Plants
AS	BIOL 321AS	100			One year introductory science	TWU, KUC	Animal Ecology
AS	BIOL 322AS	100			One year general biology or one semester general zoology and general botany	TWU, KUC	Aquatic Biology
AS	BIOL 324AS	100			None	TWU, KUC	Natural Resources Practicum: Environmental Stewardship in the Pacific Rim
AS	BIOL 330	90			One year of general biology	TWU, KUC	Birds and Mammals of South India
AS	BIOL 342AS	100			One year of general biology or one semester of general zoology	TWU, KUC	Fish Biology and Ecology
AS	BIOL 344	100			One year of general biology	TWU, KUC	Pacific Salmon and Fisheries Stewardship
AS	BIOL 346AS	90			One year of general biology	TWU, KUC	Winter Stream Ecology
AS	BIOL 359AS	100			One year of general biology or one semester of general zoology	TWU, KUC	Marine Mammals

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Host	Course #	Course Title	Location of Course	Brief Course Description
AS	BIOL 361AS	Natural History in Spring	Washington	Springtime plants and animals, their field identification, field biology, behaviour and landscape context, with a focus on spring flora, amphibians and birds.
AS	BIOL 377AS	Marine Invertebrates	Washington	A study of invertebrate taxonomy, ecology, life histories and economic importance. Field methods are stressed
AS	BIOL 411AS	Advanced Field Botany	Washington	Extended field identification and ecology of vascular plants as components of natural communities.
AS	BIOL 417AS	Marine Stewardship	Washington	Stewardship of marine habitats and marine organisms in the context of environmental issues and policy.
AS	BIOL 457AS	Stewardship Practicum: Bioregional Models for Environmental Stewardship	Washington	Analysis and development of practical bioregional approaches to land and natural resources stewardship in the vicinity of Au Sable - Great Lakes, with applications to other regions across the continent and around the globe.
AS	BIOL 458AS	Stewardship Program: Sustainable Communities and Environmental Conflict Resolution on the Chesapeake Bay	Washington	Methods and principles for solving natural resource conflicts and promoting sustainability in resource-dependent and/or traditional communities, using Tangier Island, Virginia as a case study.
AS	BIOL 471AS	Conservation Biology	Washington	Principles of conservation biology with applications to sustainable human society and biospheric integrity.
AS	BIOL 477AS	Plant Ecology	Washington	Interrelationships between plants and their physical and biotic environments; plant-animal interactions; plant community composition and development; and modern methods of ordination and quantitative analysis with applications to conservation and stewardship.
AS	BIOL 478	Alpine Ecology	Washington	Ecology of the Pacific Northwest mountains with focus on adaptation of plant and animal life to montane climates and altitudes.
AS	BIOL 479	Tropical Mountain Ecology	South India	Field study and presentations on ecological processes and geological history of Eastern and Western Ghat Mountains of South India
AS	BIOL 482AS	Restoration Ecology	Washington	Ecological foundations and techniques for ecosystem and biotic community restoration.
AS	BIOL 486	Land Stewardship Ecology	Washington	Applying ecological principles and environmental ethics to redeeming and restoring degraded and damaged ecosystems and endangered species.
AS	BIOL 487	Forest Ecology	Michigan	Forest community analysis and community structure, soils and soil development, hydrology and post-glacial history.
AS	ENVST 352AS	Ecotheology	Washington	Contemporary issues of environmental stewardship in science and religion.
BMS	Marine Science 401.1	Marine Behavioural Ecology	Bamfield Marine Station	investigation of animal behaviour including mathematical behaviour including mathematical modeling, hypothesis testing and experimental design
BMS	Marine Science 401.2	Coastal Biodiversity and Conservation	Bamfield Marine Station	examine global, regional and local patterns of biodiversity and the underlying processes of speciation, migration and extinction that generate them

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Host	Course #	Evaluation	Instructor's)	Credits	Dates	Length
AS	BIOL 361AS	Oral and Written reports, field notebook, quizzes on ornithology and botany, exams	Warners	3	May/June	
AS	BIOL 377AS	Field identification, exams, journal, participation.	Horvath	3	June/July	
AS	BIOL 411AS	Quizzes, exams, reports, journal, participation.		3		
AS	BIOL 417AS	Quizzes, exams, reports, journal, participation.		3		
AS	BIOL 457AS	Quizzes, exams, reports, journal, participation.	Mahan	3	July/August	
AS	BIOL 458AS	Quizzes, exams, reports, journal, participation.		3		
AS	BIOL 471AS	Exams, presentation, report, participation.	Reed	3	June/July	
AS	BIOL 477AS	Participation, exams, lab reports, research project, journal.	Foster	3	June/July	
AS	BIOL 478	Class discussion, written and photo journals, lab reports.	Steinkamp	4	July/August	
AS	BIOL 479	Presentations, species profile, projects, exams.	Moses, Staff	4	June/July	3 weeks
AS	BIOL 482AS	Quizzes, exams, reports, journal, participation.	Van Dragt	3	July/August	
AS	BIOL 486	Discussions, case studies, journals, exams.	Bakker, Staff	4	June/July	
AS	BIOL 487	Exams, exercises, reports and participation.	Mayfield	4	June/July	
AS	ENVST 352AS	exams, reports, journal, participation		3		
BMS	Marine Science 401.1	research project	Dr. Barbara Beasley, Long Beach Model Forest	3	April 30 - June 8	6 weeks
BMS	Marine Science 401.2	group projects	Dr. Tom Herman, Acadia University	3	July 23 - August 31	6 weeks

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AS	BIOL 361AS	90			None	TWU, KUC	Natural History in Spring
AS	BIOL 377AS	100			One year of general biology or one semester of general zoology	TWU, KUC	Marine Invertebrates
AS	BIOL 411AS	100			BIOL 311 Field Botany taken at another Au Sable Institute location	TWU, KUC	Advanced Field Botany
AS	BIOL 417AS	90			One year of general biology	TWU, KUC	Marine Stewardship
AS	BIOL 457AS	100			Environment in Ecological Agriculture, Environmental Chemistry, a Natural Resources Practicum or a Stewardship Practicum is required of all Au Sable Fellows	TWU, KUC	Stewardship Practicum: Bioregional Models for Environmental Stewardship
AS	BIOL 458AS	100			Concurrent registration with BIOL/GEOG 267	TWU, KUC	Stewardship Program: Sustainable Communities and Environmental Conflict Resolution on the Chesapeake Bay
AS	BIOL 471AS	100			One year in biology and one course in ecology	TWU, KUC	Conservation Biology
AS	BIOL 477AS	100			One year of biology and one course in ecology	TWU, KUC	Plant Ecology
AS	BIOL 478	100			One year in biology and one course in ecology	TWU, KUC	Alpine Ecology
AS	BIOL 479	90			One year of biology and one course in ecology	TWU, KUC	Tropical Mountain Ecology
AS	BIOL 482AS	100			One year of biology and one course in ecology or field biology	TWU, KUC	Restoration Ecology
AS	BIOL 486	100			One year biology or two years natural science	TWU, KUC	Land Stewardship Ecology
AS	BIOL 487	100			One course in ecology	TWU, KUC	Forest Ecology
AS	ENVST 352AS	90			None	TWU, KUC	Ecotheology
BMS	Marine Science 401.1				Introductory Course in ecology and some aspects of vertebrate and invertebrate biology	UofA, UBC, UofC, SFU, UVIC	Marine Behavioural Ecology
BMS	Marine Science 401.2				Third year standing in biology	UofA, UBC, UofC, SFU, UVIC	Coastal Biodiversity and Conservation

### Grid of Biology Field Courses Offered in BC

Host	Course #	Course Title	Location of Course	Brief Course Description
BMS	Marine Science 410	Marine Invertebrate Zoology	Bamfield Marine Station	survey of marine phyla, emphasizing fauna within vicinity of the Marine Station
BMS	Marine Science 412	Biology of Fishes	Bamfield Marine Station	identification, evolution, life history, behaviour and ecology of Pacific marine fishes
BMS	Marine Science 420	Marine Phycology	Bamfield Marine Station	introduction to basic and applied biology of Northeast Pacific seaweeds
BMS	Marine Science 435	Biological Oceanography	Bamfield Marine Station	examination of biological processes in the oceans with an emphasis on factors that regulate abundance, distribution and production of phytoplankton, zooplankton and microbes
BMS	Marine Science 440	Biology of Marine Birds	Bamfield Marine Station	study of the inter-relationships of birds and the marine environment
LANG	BIOL 1110	Tropical Biology (Field Study)	Vancouver/Hawaii	tropical bio-diversity and the impact of human activity on tropical ecosystems
LANG	BIOL 1395	Natural History of Africa	Africa	Emphasize the biological and geographical features of Africa
LANG	BIOL 2285	Ecology of the Fraser River	Fraser River drainage basin (Prince George to Vancouver)	ecology of terrestrial and aquatic communities of the Fraser River
LANG	BIOL 2320	Wildlife Conservation	Africa	Principles of population dynamics and habitat use, principles of wildlife management to maintain balance between human and wildlife needs
LANG	BIOL2321	Ethnobotany	Africa	The nature and ecological significance of food and medicinal plants in traditional subsistence systems, scientific, institutional and ethnical issues in ethnobotany
LANG	BIOL 2323	Marine Biology	Africa	Origins and classification of marine life, physical, geological and chemical features of the ocean environment and variations in form and function of marine life
LANG	BIOL 2324	Ornithology	Africa	Introduction to the study of birds: behaviour, reproduction, morphology and ecology
LANG	BIOL 2325	Entomology	Africa	Introduction to evolution, morphology, ecology and diversity of insects
LANG	BIOL 2326	Environmental Physiology	Africa	A review of the current status of environmental physiology and the molecular, metabolic and physiological mechanisms involved in the interplay between response to environmental factors and the evolution of the mechanisms.
LANG	BIOL 2327	Tropical Agroforestry	Africa	The origin of plant physiology/genetics and culture of the major economic horticultural and field crops grown in tropical and sub-tropical regions, social issues, etc...
LANG	BIOL 2328	Herpetology	Africa	Introduction to amphibians and reptiles, evolution, physiology, ecology and behaviour
LANG	BIOL 2329	Natural Chemicals in the Environment	Africa	Chemicals produced by organisms for variety of purposes, often used by humans for medicinal, or religious purposes; studying interactions between organisms and environment
LANG	BIOL 2580	Wetlands and Wetland Restoration	Lower Mainland	review wetland ecology and wetland conservation and restoration; skills for entry level positions in wetlands rehabilitation
LANG	ENVS 2470	Field School	Vancouver Island	Practical methods for terrain analysis, mapping, inventory of ecosystems, water quality testing and report writing

### Grid of Biology Field Courses Offered in BC

Host	Course #	Evaluation	Instructor's)	Credits	Dates	Length
BMS	Marine Science 410	projects, field collections	Dr. Sally Leys, UVIC	3	April 30 - June 8	6 weeks
BMS	Marine Science 412	fieldwork, labs		3	June 11 - July 20	6 weeks
BMS	Marine Science 420	independent studies	Dr. Louis Druehl, SFU; Dr. Gary Saunders, U of New Brunswick	3	April 30 - June 8	6 weeks
BMS	Marine Science 435	fieldwork		3	June 11 - July 20	6 weeks
BMS	Marine Science 440	field and lab work, identification and study methods	Dr. Alan Burger, UVIC; Dr. Doug Bertram, SFU and CWS	3	July 23 - August 31	6 weeks
LANG	BIOL 1110	presentations, projects, journals, exams and discussion		3		12 days
LANG	BIOL 1395	presentations, projects, journals, exams and discussion	Dr. Stephen Lougheed (Queens), Dr. Robert Scheibling (Dalhousie), Dr. Nicolaas Verbeek (Simon Fraser)	3	Spring	Semester, part of study in Africa
LANG	BIOL 2285	presentations, projects, journals, exams and discussion		3	June - July	9 weeks
LANG	BIOL 2320	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL2321	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2323	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2324	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2325	presentations, projects, journals, exams and discussion		3	Spring	Semester, part of study in Africa
LANG	BIOL 2326	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2327	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2328	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2329	presentations, projects, journals, exams and discussion			Spring	Semester, part of study in Africa
LANG	BIOL 2580	presentations, projects, journals, exams and discussion	Dr. Abby Schwarz, Dr. Ken Naumann, Mr. Dean Wilde	3	May - June	6 weeks
LANG	ENVS 2470	presentations, projects, journals, exams and discussion	Frank Williams	3	Spring	Semester

### Grid of Biology Field Courses Offered in BC

Host	Course #	Hours	Lecture /Lab/Seminar	Contact Info	Required Reading/Prerequisites	Associate Institute's)	Course Title
BMS	Marine Science 410			verhegge@bms.bc.ca (University Programs Coordinator)	Introductory Invertebrate Zoology	UofA, UBC, UofC, SFU, UVIC	Marine Invertebrate Zoology
BMS	Marine Science 412				vertebrate zoology	UofA, UBC, UofC, SFU, UVIC	Biology of Fishes
BMS	Marine Science 420				Introductory Course in non-vascular plants	UofA, UBC, UofC, SFU, UVIC	Marine Phycology
BMS	Marine Science 435				upper undergraduate or graduate standing in biology	UofA, UBC, UofC, SFU, UVIC	Biological Oceanography
BMS	Marine Science 440				Advanced standing in vertebrate zoology	UofA, UBC, UofC, SFU, UVIC	Biology of Marine Birds
LANG	BIOL 1110	67.5	67.5/0/0		Open to all arts and science students	None	Tropical Biology (Field Study)
LANG	BIOL 1395				None	None	Natural History of Africa
LANG	BIOL 2285	54	3/0/3		BIOL 1115 and BIOL 1215 with a C grade or higher	None	Ecology of the Fraser River
LANG	BIOL 2320				First Year Biology	None	Wildlife Conservation
LANG	BIOL2321				First Year Biology	None	Ethnobotany
LANG	BIOL 2323				First Year Biology	None	Marine Biology
LANG	BIOL 2324				Ecology or Vertebrate Biology	None	Omithology
LANG	BIOL 2325				First Year Biology	None	Entomology
LANG	BIOL 2326				BIOL 1115 and 1215 (First Year Biology)	None	Environmental Physiology
LANG	BIOL 2327				First Year Biology	None	Tropical Agroforestry
LANG	BIOL 2328				First Year Biology	None	Herpetology
LANG	BIOL 2329				One semester of first year biology	None	Natural Chemicals in the Environment
LANG	BIOL 2580	20hrs/week + labs	20/0/?	(604) 323 - 5207/5239/5338	3 credits of ecology with C grade or higher	None	Wetlands and Wetland Restoration
LANG	ENVS 2470		2/0/3		BIOL 1118/1218 or BIOL 1115/1215; CHEM 1117/1217 or CHEM 1120/1220; GEOG 1155	None	Field School

### Grid of Biology Field Courses Offered in BC

Host	Course #	Course Title	Location of Course	Brief Course Description
MALA	BIOL 395	Tropical Biology	Belize, Central America	study of plants, soil and water quality, microbiology and nutrient cycling of disturbed and pristine rainforest vertebrates in the habitats.
OUC	BIOL 306	Field Ecology of Animals	North Kelowna Campus, field trips to various nearby locations	integration of field and laboratory techniques of animal ecology with some theoretical principles of animal community, population and individual ecology
OUC	BIOL 305	Field Ecology of Plants and Soils	North Kelowna Campus, field trips to various nearby locations	apply concepts of community ecology
TWU	BIOL 216	Plant Environments	Langley Campus, Saltspring Island	An inventory of plant life across major habitats of BC; study of the ecology of these environments.
TWU	BIOL 262	Marine Biology	Seattle Pacific University field station on Blakely Island	study life history and distribution of marine organisms in several major marine habitat types
TWU	BIOL 264	Coral Reef Biology	1 week TWU, 2 weeks Maui, Hawaii	ecological relationships between organisms of the tropical coral reef habitat
TWU	BIOL 316	Plant Ecology	Langley Campus, Saltspring Island	Examination of the role of plant ecology in shaping major habitats.
TWU	BIOL 318	Tropical Botany	1 week TWU, 2 weeks Maui, Hawaii	exploration of the botanical riches of the tropics
TWU	BIOL 364	Advanced Topics in Coral Reef Biology	1 week TWU, 2 weeks Maui, Hawaii	systematics and ecology of tropical coral reef organisms
TWU	BIOL 382	Marine Ecology	Seattle Pacific University field station on Blakely Island	ecological relationships between organisms of the tropical coral reef habitat
TWU	BIOL 391	Ornithology	TWU Ecological Research Area	phylogeny, morphology and biology of birds, factors affecting abundance and distribution, environmentally-determined physiological adaptations
TWU	BIOL 392	Wildlife Biology	TWU Ecological Research Area	natural history and behavioural ecology of terrestrial vertebrates, classification, life history, population dynamics, ecology of vertebrates
UBC	BIOL 409	Field Course in Animal Ecology	southern Yukon or Costa Rica	intensive, practical course in field ecological methods so that students gain first-hand experience - emphasis is on techniques and methods rather than their theoretical backgrounds
UCC	BIOL 409	Field Methods in Terrestrial Ecology	Wells Gray Education and Research Centre	learn field techniques needed for studies of terrestrial ecosystems
UCC	BIOL 410	Field Methods in Marine Ecology	Bamfield Marine Station	learn field techniques to study marine ecosystems
UNBC	BIOL 333	Field Camp	Prince George, BC	field applications in integrated resource management
UVIC	BIOL 314A	Marine Field Biology	Bamfield Marine Station	introduction to methods and concepts of marine biological investigation, field emphasis on rocky shore, algal, forest, and infaunal ecosystems

### Grid of Biology Field Courses Offered in BC

Host	Course #	Evaluation	Instructor's)	Credits	Dates	Length
MALA	BIOL 395	readings, field data collection, participation, journal, 2 exams, present data in a group forum, group presentation performance and exams	Dr. Matt Hoch, Dr. Ed van Sinderen Bakker, Dr. Ed Boles, Mr. Matt Miller	3	May 6, 2001 - June 16, 2001	6 weeks
OUC	BIOL 306	Quizzes, exams, reports	Bob Lalonde	3	Spring Semester	4 months
OUC	BIOL 305	quizzes, exams, reports		3	Spring Semester	4 months
TWU	BIOL 216	final exam, projects, lab assignments, quizzes	Dr. David Clements, Shauna Kranabetter	3	Summer session	3 weeks
TWU	BIOL 262	participation, journals, species projects, exams, papers		3	Summer session	
TWU	BIOL 264	participation, journals, species projects, exams, papers	Dr. Karen Steensma	3	May	3 weeks
TWU	BIOL 316	final exam, projects, lab assignments, quizzes	Dr. David Clements, Shauna Kranabetter	3	Summer session	3 weeks
TWU	BIOL 318	participation, journals, species projects, exams, papers	Dr. David Clements	3	May	3 weeks
TWU	BIOL 364	participation, journals, species projects, exams, papers	Dr. Karen Steensma	3	May	3 weeks
TWU	BIOL 382	participation, journals, species projects, exams, papers	Dr. Karen Steensma	3	Summer session	
TWU	BIOL 391	participation, journals, species projects, exams, papers	Dr. Jake Hintz (retired)	3	Summer session	
TWU	BIOL 392	participation, journals, species projects, exams, papers	Dr. Jake Hintz (retired)	3	Summer session	
UBC	BIOL 409	50% write-up of field assignments, 50% project write-up	C.J. Krebs, W.E. Neill, A.R.E. Sinclair, J.N.M Smith	3	May or August	varies with location
UCC	BIOL 409	conduct personal project, journal, exams, participation	Dr. Tom Dickinson, Dr. Val Collins	3	late April or early May	2 weeks
UCC	BIOL 410	conduct personal project, journal, exams, participation	Dr. Louis A. Gosselin	3	late April or early May	2 weeks
UNBC	BIOL 333			3		2 weeks
UVIC	BIOL 314A	lab exams, exams, project	Yousef Ebrahim	1.5 units	May 15 - June 29	

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MALA	BIOL 395			<a href="mailto:hochm@mala.bc.ca">hochm@mala.bc.ca</a>	Minimum C- in BIOL 202	None	Tropical Biology
OUC	BIOL 306		3/3/0.	(250) 762 - 5445	BIOL 300	None	Field Ecology of Animals
OUC	BIOL 305		3/3/0.	(250) 762 - 5445	BIOL 203, 300	None	Field Ecology of Plants and Soils
TWU	BIOL 216	Last week April, first 2 weeks May		(604) 888-7511 ext 3280	None	None	Plant Environments
TWU	BIOL 262			(604) 888-7511	BIOL 113, 114	None	Marine Biology
TWU	BIOL 264			(604) 888-7511	BIOL 262	None	Coral Reef Biology
TWU	BIOL 316	Last week April, first 2 weeks May		(604) 888-7511 ext 3280	BIOL 113/114		Plant Ecology
TWU	BIOL 318			(604) 888-7511 ext 3280	BIOL 113, 114	None	Tropical Botany
TWU	BIOL 364			(604) 888-7511	Advanced standing in biology	None	Advanced Topics in Coral Reef Biology
TWU	BIOL 382			(604) 888-7511	Advanced standing in biology	None	Marine Ecology
TWU	BIOL 391			(604) 888-7511	BIOL 113, 114	None	Ornithology
TWU	BIOL 392			(604) 888-7511	BIOL 113, 114	None	Wildlife Biology
UBC	BIOL 409	varies with location			BIOL 302, 303, 310, 300	None	Field Course in Animal Ecology
UCC	BIOL 409				BIOL 300, 302, 303, 310	None	Field Methods in Terrestrial Ecology
UCC	BIOL 410				BIOL 300, 302, 303, 215	None	Field Methods in Marine Ecology
UNBC	BIOL 333				Open to biology majors	None	Field Camp
UVIC	BIOL 314A				BIOL 215, 321	None	Marine Field Biology