BCcampus 2003-2008 Online Program Development Fund Projects Mapped to BC Council on Admissions and Transfer Post Secondary Education Field of Study and Subject Area Classification

FIELD OF STUDY	SUBJECT AREA	OPDF FUNDED CREDENTIAL & NUMBER OF RESOURCES	COURSES OR LEARNING OBJECT RESOURCES	DEVELOPERS, YEAR FUNDED, OPDF LOG#
Agriculture Natural Resources and Science	Agriculture Related			
	Aquaculture/Fisheries			
	Food Sciences/Technology			
	Horticulture/Floral Related			
	Wood Products/Wood Processing Related	2 courses	Introduction to the Business of the Pulp & Paper Industry, Environmental Controls in the Pulp & Paper Industry	Developers: VIU, CNC; Funded: 2007; OPDF Log#: 327
	Animal Studies/Managed			
	Environmental Studies/Science			
	Forestry Related	2 courses	Selection and Propagation of Native Plants in Ecological Restoration, Non-Timber Products in Forest Management and Restoration	Developers: UVic, RRU, NVIT; Funded: 2003; OPDF Log#: 42
	Natural Resources Conservation & Management			
	Wildlife and Wildlands Management			
Business Management	Accounting			
	Administrative Assistance/Office Assistance	3 courses that combine with existing to make an online Administration Assistant certificate	GroupWare, Desktop Publishing, Office Simulation	Developers: Capilano, CNC, CoTR, Douglas, VIU, NWCC, NIC, NLC, OC, TRU, Selkirk, VCC; Funded: 2006; OPDF Log#: 284
	Computing/Office Automation Related			
	Entrepreneurial Studies Related			
	General Business Studies			
	Insurance			
	Marketing	Marketing Minor & Post Baccalaureate Diploma in Marketing, 8 courses	BBUS 348 Marketing Research, BBUS 475 New Venture Creation, BBUS 345 Professional Selling, BBUS 347 Consumer Behaviour, BBUS 441 Services Marketing, BBUS 443 Retail Management, BBUS 448 Integrated Marketing Communication, BBUS 449 B2B Marketing	Developers: TRU-OL, OC; Funded: 2005; OPDF Log#: 236
	Public Administration	Diplomas in Public Sector Management & Local Government Management, 7 courses	422 Ethical Public Management, 431 Public Sector Human Resource Management and Labour Relations, 477 Strategic Planning and Project Management, 312 Public and Non-Profit Sector Management, 314 Public Sector Research and Analysis, 420 The Public Policy Process, 424 Managing Information and E-Government	Developers: Capilano, Langara; Funded: 2003; OPDF Log#: 69
		First Nation Public Administration, Aboriginal Community Economic Development, 5 courses	ADMN 130 Community Development I, ACED 205 Aboriginal Governance Development, BUSM 222 Organizational Behaviour, BUSM 294 Business Law, BUSM 223 Personnel	Developer: NVIT; Funded: 2004; OPDF Log#: 111
		First Nations Public Administration Diploma, 6 courses	ADMN 165 Introduction to Computing Systems, BUSM 200 Finite Mathematics, BUSM 207 Introduction to Statistics, BUSM 211 Introduction to Finance, BUSM 250 Principles of Marketing, Addiction	Developers: NVIT; Funded: 2005; OPDF Log#: 211
	Accounting Assistance/Bookkeeping			
	Business Administration/Management/Commerce	First Nation Business Administration certificate and diploma, 4 courses	ADMN 130 Community Development I, BUSM 222 Organizational Behaviour, BUSM 294 Business Law, BUSM 223 Personnel	Developer: NVIT; Funded: 2004; OPDF Log#: 111
		Business Administration General Management Diploma, 3 courses	BUAD 212 Business Research, BUAD 112 Business Law, Math 106 Statistics	Developer: COTR; Funded: 2004; OPDF Log#: 148
	Economics/Finance	1 course	Finance for First Nations Housing Managers	Developers: VIU, NVIT; Funded: 2008; OPDF Log#: 384
	Human Resources	Advanced Diploma in Human Resources, 1 course	Human Resources Management System	Developers: VIU, Camosun; Funded: 2007; OPDF Log# 326
	International Business			
	Operations Management/Supervision			
	Real Estate			
Communications	Broadcasting Related			
	Journalism			
	Public Relations			
	Writing (Creative, Editing, Technical)			
	Communication/Media Studies	1 course	Professional Communications in Child and Youth Care	Developers: UVic, VIU; Funded: 2006; OPDF Log#: 263
	Pre-Press/Desktop Publishing/Digital Imaging Design			
	Publishing			
Computer and Information Services	Computer Information Systems/Science	1 course	Computer Information Systems 100	Developer: UFV; Funded: 2003; OPDF Log#: 78
		Lab resources	Computing Applications 150	Developer: UNBC; Funded: 2003; OPDF Log#: 105
	Information Technology Management	Computer Technology Certificate one year program, 6 courses	Project Management, Systems analysis and design, Office applications for IT professionals, Programming VB & .net, Databases I, Web design, Networking Theory	Developers: UFV, NWCC, NIC, Selkirk, Douglas; Funded: 2004; OPDF Log#: 183
	Web Page, Digital Multimedia & Information Resource Design			
	Computer Maintenance Related			
	System, Networking, and LANWAN Management			
Construction and Precision Production	Architecture			
	Carpentry/Joinery			
	Drafting Related			
	Fine Woodworking/Furniture Related			
	Machinist			
	Sheet Metal Related			
	Welding			
	Boilermaker			
	Construction Supervision/Management			
	Electrical Related			
	Ironworking			
	Plumbing/Pipefitting			
	Tool & Die Related			
Development Programs (e.g. ABE, ESL)	Adult Basic Education Upgrading	3 courses	Intermediate English Courses (Eng 033) grammar, (Eng 032) writing, and (Eng 034) reading/study skills	Developer: NIC; Funded: 2003; OPDF Log#: 96
		1 course	Provincial Level Math Course	Developers: Capilano, NIC, NWCC, OC; Funded: 2004; OPDF Log#: 108
		1 course	Provincial First Nations Studies	Developer: NWCC; Funded: 2004; OPDF Log#: 140
		1 course	Provincial History 060 - global affairs in the twentieth century	Developer: NIC; Funded: 2004; OPDF Log#: 166
		2 courses	Intermediate Math & Provincial Technical and Professional English	Developers: NLC, NWCC, CNC, CoTR, TRU, VIU, NIC, Camosun, Capilano, VCC; Funded: 2006; OPDF Log#: 265
		2 courses	Advanced English and Provincial Biology	Developers: NLC, NWCC, CNC, CoTR, TRU, VIU, NIC, Camosun, Capilano, VCC; Funded: 2006; OPDF Log#: 283
	Employment Preparation			
	Trades/Technology Access & Bridging	1 course, 8 modules	Tools of the Trades interactive Flash course targeted to meet the needs of trades-bound students who require specific foundation skills to succeed in their chosen trades training	Developers: BCIT, Capilano, CNC; Funded: 2004; OPDF Log#: 153
	High School Transition	High school to post secondary transition, 12 dual credit courses	Anthropology 101 & 102, Biology 104 & 106, English 99, English 100, Math 100 & 101, Physics 060, Political Science 111, Pre-Calculus, Women's Studies 101	Developers: CNC, NIC, NWCC, Selkirk; Funded: 2003; OPDF Log#: 31
		1 course	ELT 89: Grade 12 Equivalent, Multimedia Online English Course for ESL students	Developers: Camosun, CoTR; Funded: 2007; OPDF Log#: 321
Education and Library Studies	Adult Special Education			
	English as a Second Language			
	Adult Education	1 course	Learning Skills 100	Developers: Camosun, UVIC; Funded 2004; OPDF Log#: 138
		8 learning objects	learning objects for critical thinking competencies such as attributing causal connections, drawing warranted inferences from statistical data, interpreting visual images, critically reading and responding to historical documents and participating in critical thoughtful dialogue.	Developers: UBC-O; Funded: 2008; OPDF Log#: 370
	Elementary/Secondary Teaching Related			
	Library Studies Related Trade/Industrial Teacher Education			
	Early Childhood Education			
	English as a Second Language Teaching	4 video learning objects	TESOL Teaching Methodologies, Communicative Activities, Teaching a Grammar Point, Introduction to ESOL levels	Developers: VCC, UBC; Funded: 2008; OPDF Log#: 357
	Teacher Assistant/Aide	Classroom and Community Support Program, 1 course	CCSD 2100 Flexible Completion	Developer: Douglas; Funded: 2004; OPDF Log#: 124
Engineering/ Electrical and Electronics	Automation/Robotics			
	Civil Engineering Technology Related			
	Electrical/Electronic & Communications Engineering			
	Environmental Engineering Related			
	Marine Engineering			
	Mining and Petroleum (Oil and Gas)			
	Power Engineering			
	Telecommunications			
	Chemical Engineering			
	Computer Engineering Related			
	Engineering Science			
	Instrumentation Technology Related	3D Interactive Simulation to Support Applied Engineering Education	simulation to teach operation of an advanced Computer-Numerically-Controlled machine used in manufacturing industries to fabricate complex components based on information from 3-D computer aided design software programs	Developers: UBC, Emily Carr; Funded: 2008; OPDF Log#: 377
	Mechanical Engineering			
	Plastics Technology			
	Surveying and Mapping			
	Water Quality/Wastewater Management	8 learning objects	Meet a Water Operator, Ground Water Cycles, Water System and Supply, Valves, Water Quality, Water Math Case Studies, Basic Hydraulics, Glossary of Terms	Developer: TRU; Funded: 2008; OPDF Log#: 352
Health Related	Animal Health/Studies	Animal Health Technology Program, 5 courses	ANHD 110 Anatomy, ANHD 101 Office Skills, ANHD 111 Lab Procedures, ANHD 112 Animal Nursing, ANHD 114 Animal Disease	Developer: TRU; Funded: 2004; OPDF Log#: 118
	Diagnostic Technology Related	1 course	Brachytherapy Radiation Practices	Developers: BCIT; Funded: 2006; OPDF Log#: 293
	Health Care Administration	Continuing Health Care Administration Diploma Program, 20 courses	Introduction To The Health Care System, Managing The Organization, Human Resource Management, Legal & Ethical Aspects Of Health Care, Nutrition, Gerontology, Managing Support Services, Resident/Client Care, Quality Assurance Risk Management & Safety, Accounting Fundamentals, Managerial Accounting, Leadership and Coaching in Health Care, Problem Solving and Communications, Contracting and Liability, Budget Management and Planning, Patient Safety and Risk Management, Writing and Reporting, Introduction to Technology and Information Management, Conflict Management, Final Project	Developers: VIU, NIC; Funded: 2005; OPDF Log#:249
	Health/Medical - General	1 course	Clinical Breastfeeding Management	Developers: UBC, Douglas; Funded: 2003; OPDF Log#: 62
		4 professionalism modules (generalizable to other disciplines/courses)	Professional Legislative and Legal Aspects, Professional Ethics and Standards of Conduct, Professional Competence, The Professional at Work	Developers: UBC, BCIT; Funded: 2004; OPDF Log#: 128
		86 learning objects	learning objects on use of population administrative data for research, longitudinal analysis and multi-level modeling of health data, and health geomatics	Developers: UVic, UBC, SFU; Funded: 2008; OPDF Log#: 379
	Medical Laboratory Related			
	Nutrition and Dietary Related			
	Pharmacy/Pharmacology Related	Integrated laboratory network	remote use of scientific instrumentation and supporting instructional material in the classroom, lecture, and laboratory environments through the use of web-based technologies	Developers: TRU, UBC; Funded: 2006; OPDF Log#: 288
	Practical Nursing (LPN) Related	2 courses	Anatomy and Physiology for Health Professionals, Laboratory in Anatomy and Physiology for Health Professionals	Developers: VIU; Funded: 2003 & 2005; OPDF Log#: 87 & 250
	Registered Nursing (RN) Related	1 course	Aboriginal Health course, 3 modules dealing with cultural awareness and safety	Developers: UVic, TRU; Funded: 2003; OPDF Log#: 32
		Northern Collaborative Baccalaureate Nursing Program, 8 courses	Nursing 101 The Art & Science of Nursing, Nursing 210 Introduction to Health Assessment, Nursing 202 Pathophysiology, Nursing 203 Health Promotion in Families, Nursing 206 Basic Nutrition, Nursing 205 Introduction to First Nations Health, Nursing 176 Research Methodologies, Nursing 210 Nursing Practice with Adults	Developers: CNC, UNBC; Funded: 2005; OPDF Log#: 213
		1 course	Cardiology 1186 Patient Care for Allied Health	Developers: BCIT, UBC; Funded: 2006; OPDF Log#: 291
	Dental Related	1 course	Interactive Dental Anatomy and 3D images of teeth	Developers: UBC, VCC; Funded: 2003; OPDF Log#: 52
		Access to Dental Hygiene certificate program, 8 courses	Intro to Dental Hygiene Profession, Embryology and Histology, Oral Anatomy & Physiology, Professional Practice, Preventive Dentistry & Biomaterials, Oral Microbiology, Evidence Based Practice, Dental Hygiene Client Care	Developers: VCC; Funded: 2004; OPDF Log#: 143
	Environment/Occupational Health			
	Health Information/Medical Records	9 learning objects	health informatics case simulation, preplanned case scenario, real-time virtual group discussion, individual exercise/assignment, group role play, event observation, pre-recorded lecture, demonstration, and online quiz	Developers: UVic, SFU; Funded: 2004; OPDF Log#: 146
	Home Support/Residential Care Related			
	Medical Office/Administrative Related	Medical Office Assistant Certificate Phase I, 4 courses	Medical Terminology I, Medical Terminology II Anatomy & Physiology, Medical Transcription, Medical Administrative Procedures	Developers: CAM, CAP, CNC, CoTR, DOUG, VIU, NIC, NLC, NWCC, OC, SEL, TRU, UFV, VCC; Funded: 2007; OPDF Log#: 309
		Medical Office Assistant Certificate Phase II, 5 courses	Medical Terminology III Pharmacology and Specialities, Clinical Procedures, Clinical Practice, Manual Medical Billing, Medical Billing Computerized	Developers: CAM, CAP, CNC, CoTR, DOUG, VIU, NIC, NLC, NWCC, OC, SEL, TRU, UFV, VCC; Funded: 2008; OPDF Log#: 350
	Optical/Eyecare Related			
	Physicians and Surgeons			
	Psychiatric/Mental Health Nursing	Graduate Certificate in Child and Youth Mental Health, 5 courses	MENT 551 Context and Theory in Child and Youth Mental Health Practice, MENT 552 Assessment for Intervention in Child and Youth Mental Health, MENT 553 Intervention in Child and Youth Mental Health, CYMH 554 Clinical Internship and Capstone	Developers: TRU, UFV; Funded: 2004; OPDF Log#: 119
	Rehabilitation/Therapeutic Services	Advanced Diploma in Fetal Alcohol Spectrum Disorder (FASD), 8 courses	Human Development: Conception to Maturity, Overview of Developmental and Learning Disabilities, Alcohol Addiction and Healing, Brain Development and Function, Cultural Perspectives, FASD Developmental Perspectives, FASD Prevention, Practicum	Developers: CNC, TRU, UNBC; Funded: 2005; OPDF Log#: 218
Legal and Social Services	Child/Youth Care Work			
	Fire Fighting Related			
	Gerontology	Post Baccalaureate Diploma and Minor/Certificate in Gerontology, 5 courses	Culture and Aging, Counselling the Older Adult, Health Promotion and Aging, Introduction to Gerontology, Research Methods in Gerontology	Developers: UBC-O, SFU; Funded: 2003; OPDF Log#: 98
	Human/Social Service Work			
	Law			
	Legal Secretarial	Provincial Legal Administrative Assistant Online Program Phase I, 5 courses	Introduction to the Canadian Legal System, Legal Office Procedures, Human Relations, Job Search, Business English	Developers: ABT Collaboration; Funded: 2003; OPDF Log#: 94
		Provincial Legal Administrative Assistant Online Program Phase II, 5 courses	Corporate Procedures, Conveyancing Procedures I, Conveyancing Procedures II , Wills & Estates, Commercial Procedures	Developers: ABT Collaboration; Funded: 2004; OPDF Log#: 113
	Social Work			
	Criminal Justice/Criminology			
	Forensic Science			
	Human Services/General			
	Interpreting/Sign Language			
	Legal Assistant Related			
	Security and Protective Services			
	Substance Abuse/Addiction Counseling			
Liberal Arts and Humanities	1st and 2nd Year Academic Studies (Arts)	Associate of Arts Degree in First Nations Studies, 14 courses	ENGL 107, FNST 105, SOCI 240, FNS 200, HIST 111, ANTH 150, ANTH 252, FNS 100, ANTH 202, ANTH 203, ANTH 112, FAM 180, FNST 287, HIST 210	Developers: Selkirk, CoTR, CNC, NIC, NLC, NWCC; Funded: 2005; OPDF Log#: 200
		Associate of Arts Degree & Associate of Arts Degree in Geography, 3 courses	GEOG 214 Digital Geomatics, GEOG 220 Natural Resource Systems, and GEOG 236 Geography of Cities	Developers: Camosun, Langara; Funded: 2007; OPDF Log#: 316
	Arts - Misc. Majors			
	Classics Related			
	English/Literature Related	2 courses	English 250 Advanced Composition, English 286 20th Century Literature	Developers: Camosun, NIC; Funded: 2004; OPDF Log#: 115
		3 courses	Sport Literature, Eco-Poetics, and Travel Writing	Developers: Selkirk, CoTR; Funded: 2008; OPDF Log#: 355
	French Studies Related			
	Philosophy	1 course	Knowledge and Reality 120	Developers: UFV; Funded: 2003; OPDF Log#: 75
	Art History			
	Arts Degree - General Studies			
	Community and Regional Planning (Arts)	Community Development Certificate program, 8 courses	Community Development in Practice, Exploring Challenges in Community Development Practice, Social Activism, Advocacy and Lobbying, Appreciative Inquiry, Using the Internet for Community Development, Community Mapping as a Tool for Social Action, Dialogue at Work, Developing Effective Partnerships and Collaborative Relationships	Developers: Capilano, Langara; Funded: 2003; OPDF Log#: 69
	Foreign Language Studies			
	Linguistics Related (Arts)			
	Religious Studies Related			
	Library and Information Literacy	7 interactive modules	for online information literacy, writing skills and learning skills	Developers: SFU, UVic, OC: Funded: 2006; OPDF Log#: 255
Mechanical and Related	Aircraft Mechanic Maintenance			
	Auto Collision Repair Related	19 competency based trades modules	Tools/Equipment & Safety Training, Sheet Metal Repair (Basic), Sheet Metal Repair (Aluminum), Structural Panel Replacement, Mechanical Components & Body Construction, Refinishing & Refinish Preparation, Welding, Sheet Metal Repair (Advanced), Structural Repair, Estimating and Insurance Industry Liaison, Suspensions & Steering, Plastics & Composites	Developers: VCC, OC, CoTR; Funded 2003 & 2006; OPDF Log#: 83 & 254
	Business Machine Repair			
	Heating, Air Conditioning, Ventilation & Refrigeration			
	Industrial Mechanic/Millwright Related			
	Other Vehicle Maintenance & Repair			
	Security Alarm Installer			
	Appliance Installation and Repair			
	Auto Mechanics Related			
	Diesel Engine Mechanic			
	Heavy Equipment Maintenance & Repair			
	Motorcycle Maintenance and Repair			
	Parts and Lights Warehousing			
	Small Engines Mechanics and Repair			
Recreation, Tourism, Hospitality Service	Adventure Tourism			
	Esthetics/Skin Care			
	Hairstyling			
	Hospitality Tourism Management	Certificate in Tourism Event Management, 6 courses	CONV 101 Introduction to Tourism, CONV 102 Introduction to Special Event Management, CONV 103 Celebrating Community and Culture, CONV 104 Event Volunteer Management, CONV 105 Legal Liability and Risk Management, CONV 106 Event Marketing	Developers: TRU, VIU, VCC, Capilano, Selkirk, Douglas, NIC, OC, Camosun, CoTR, CNC; Funded: 2004; OPDF Log#: 125
		Bachelor of Tourism Management, 5 courses	Tourism Research Methods, Graduating Seminar/Project, Management of Festivals and Events, Special Topics I: Sport Tourism, Special Topics II: Tourist Behaviour Tourism and Economic Development	Developers: TRU, VIU, Capilano; Funded: 2006; OPDF Log#: 287
	Meat Cutting			
	Recreation Leadership Related			
	Travel Industry Related			
	Baking/Cooking/Chef Training			
	Food/Beverage Services			
	Hospitality Tourism - General	40-60 learning resources	2010 Olympics related instructor resources (e.g. The Sustainability Agenda for the 2010 Games, Games Impact on the Accommodation Sector, etc.), an online info-exchange hub for games related student opportunities dialogue and collaboration, and an Olympics and Paralympics games online information bank	Developers: CAP, LinkBC network of 20 BC post-secondary tourism programs; Funded: 2008; OPDF Log#: 362
	Human Kinetics/Kinesiology/Physical Education			
	Parks, Recreation & Leisure Facilities Management			
	Sports and Fitness Administration/Management			
Sciences	1st and 2nd Year Academic Studies (Science)	Web-based Associate of Science Phase I, web-based lab & 2 courses	First Semester Physics, First Semester Geology	Developers: NIC, CoTR, TRU; Funded: 2007; OPDF Log#: 340
		Web-based Associate of Science Phase II, 4 labs & 2 courses	Second Semester Physics, Second Semester Geology, web-based labs for biology, chemistry, physics, geology	Developers: NIC, CoTR, TRU, Kwantlen, VIU; Funded: 2008; OPDF Log#: 374
	Atmospheric Science			
	Biology	1 lab	first year level virtual biology lab	Developers: BCIT; Funded: 2003; OPDF Log#: 15
	Chemistry	Integrated laboratory network	remote use of scientific instrumentation and supporting instructional material in the classroom, lecture, and laboratory environments through the use of web-based technologies	Developers: TRU, UBC; Funded: 2006; OPDF Log#: 288
	Computing Science/Systems Related			
	Geography/Earth Science Related	9 geophysics learning modules	seis reflection, seis refraction, GPR, borehole methods, EM, processing, survey design, earthquakes & other hazards, water resources	Developers: UBC; Funded: 2003; OPDF Log#: 59
		1 course	232 Cultural Geography	Developers: Camosun, NIC; Funded: 2004; OPDF Log#: 116
		1 course	GEOL 301 - Cave & Karst Landscapes and Systems	Developer: VIU, SFU; Funded: 2004; OPDF Log#: 178
		10 learning objects	virtual soil identification and classification	Developers: UBC, TRU, UNBC; Funded: 2004; OPDF Log#: 131
		4 learning objects	virtual soil forming process	Developers: UBC, TRU, UNBC; Funded: 2006; OPDF Log# 277
		10 learning objects	video learning objects of different soil landscapes and associated parent materials for all 10 soil orders to be used in soil, agriculture, forestry, and natural resource management courses across BC and beyond	Developers: UBC, TRU, UNBC; Funded: 2008; OPDF Log# 359
		Post Graduate Technical Diploma in Geographic Information Systems (GIS), 10 courses	GIS Foundations, Geodatabases, Spatial Analysis I, Spatial Analysis II, Remote Sensing, Spatial Positioning, Geographic Information Systems, Programming Foundations, GIS Management, Geographic Information on the Internet	Developers: VIU, UBC, OC; Funded: 2006; OPDF Log#: 280
	Linguistics			
	Physics Related			
	Science Degree - General Studies			
	Astronomy	2 labs for 2 courses	Space Science and Astronomy: Introduction to Solar System Exploration (SSA 100), An Introduction to Deep Space Astronomy (SSA 101)	Developers: NIC; Funded: 2003; OPDF Log#: 68
	Biochemistry/Microbiology			
	Biotechnology			
	Community and Regional Planning	2 courses and 5 workshops on assessment for sustainability	Assessment Frameworks - Measuring What We Value, Assessment Into Action, Workshops - Targets & Benchmarks, Qualitative Measures & Storytelling, Engaging the Public with Indicators, Data sources for sustainability assessment, Measurement tools and platforms	Developers: SFU, BCIT, UNBC; Funded: 2007; OPDF Log#: 348
	Environmental Studies Related			
	Kinesiology			
	Math/Statistics	Learning assessment quizzes, questions, java applets	Precalculus Math	Developers: Langara; Funded: 2003; OPDF Log#: 72
		20 learning objects	Interactive Learning Objects for Elementary Linear Algebra	Developers: SFU, UBC; Funded: 2005; OPDF Log#: 186
		10 interactive learning objects	standard deviation, standardized scores, skewness, correlation, linear regression, sampling distributions, standard error, confidence intervals, multiple regression, and chi-square distribution	Developer: SFU; Funded: 2008; OPDF Log#: 363
	Science - Misc. Majors	Renewable Energy Certificate program, 10 courses	Energy & the Environment, Solar Thermal & Solar Electric Systems, Small-Scale Wind Energy Systems, Geo-Exchange Heating & Cooling Systems, Micro-Hydro Electric Production, Small Scale Biomass Energy Systems, Building & Renovating for Energy Conservation along with 3 online or hybrid courses that emphasize practical applications	Developers: VIU, Selkirk; Funded: 2006; OPDF Log#: 282
Social Sciences	Aboriginal Studies			
	Canadian Studies			
	Environmental Studies			
	History	2 courses	HIS 215 Modern European History I and HIS 216 Modern European History II	Developers: NIC; Funded: 2003; OPDF Log#: 66
		1 course	HIST 485 Issues in the Social History of Nursing	Developers: VIU, UBC, UVic; Funded: 2004; OPDF Log#: 180
	Linguistics	1 course	Speech and Language Assistant Course 202: Language/Learning/Literacy	Developers: UFV; Funded: 2005; OPDF Log#: 207
	Psychology	BA Psychology, 5 courses	Research Methods in Psychology, Statistical Analysis in Psychology, History of Psychology, Introduction to Personality, Introduction to Developmental Psychology	Developers: UFV, Kwantlen, Camosun; Funded: 2003; OPDF Log#: 74
		BA Psychology, 8 courses	PSYC 110 Statistical Analysis in Psychology, PSYC 200 Introduction to Personality, PSYC 3307 History and Philosophical Foundations, PSYC 4700 Cultural Psychology, PSYC 351 Child Psychology, PSYC 355 Adolescent Psychology, PSYC 357 Adulthood and Aging, PSYC 380 Human Neuropsychology, PSYC 305 Gender	Developers: UFV, Kwantlen, Camosun; Funded: 2004; OPDF Log#: 151
		BA Psychology, 4 courses	PSYC 2385 Cognition, PSYC 3800 Evolutionary Psychology, PSYC 360 Social Psychology, PSYC 225 Clinical Neuroscience	Developers: Kwantlen, UFV, Camosun: Funded 2006; OPDF Log#: 268
		BA Psychology, 7 courses	PSYC 257 Intercultural Communication, PSYC 303 Perception, PSYC 365 Developmental Psychopathology, PSYC 3500 Interpersonal Relationships, PSYC 319A Quantitative Designs & Statistical Analyses, PSYC 4315 Neuroscience, PSYC 4700 Culture & Psychology	Developers: Kwantlen, UFV, Camosun, TRU; Funded 2007; OPDF Log#: 314
	Women's Studies			
	Anthropology	1 course	Anthropology 268 Environment & Culture	Developer: UFV; Funded: 2004; OPDF Log#: 152
	Criminology/Criminal Justice	Bachelor of General Studies (Police Studies), 12 courses funded	CRIM 205 Police Psychology & Risk Assessment, Biology 270 Intro to Forensic Biology, CRIM 393 Criminal Intelligence & Crime Analysis, CRIM 339 Ethics in Criminal Justice, CRIM 430 Advanced Criminal Procedure & Evidence, CRIM 450 Social Policy Analysis, RCMP I201/CRIM 261 Investigative Interviewing, RCMP I206/CRIM 291 Introduction to Criminal Investigation, RCMP I205/CRIM 292 Drug Investigation, RCMP I207/CRIM 299 Sexual Assault Investigation, RCMP M204/CRIM 264 Interactive Leadership, RCMP M207/CRIM 263 Police Supervision	Developers: UFV, JI; Funded: 2005; OPDF Log#: 197
	Geography	2 courses	Geography 216 Quantitative Methods, Geography 222 Economic Geography	Developers: Camosun, Capilano, VIU, UVic; Funded: 2005; OPDF Log#: 225
	International Relations/Studies			
	Political Science	4 courses	POLS 250 Law and Municipal Government, POLS 251 Local Services and Public Policy, POLS 260 Politics of Public Finance, POLS 316 Community Government and Politics	Developers: UNBC; Funded: 2003; OPDF Log#: 45
	Sociology	30 learning objects	suitable for first to fourth year courses with a focus on social change including multi-cultural settings, social activism, interpersonal skills, community needs assessment, and advocacy	Developers: UFV, Capilano; Funded 2005; OPDF Log#: 193
Transportation (Air, Land, Marine)	Aviation Related			
	Marine Training			
	Driver Training			
	Transportation and Materials Moving			
Visual, Performing and Fine Arts	Animation & Commercial Art & Illustration			
	Dance			
	Drama Theatre Arts Related			
	Fiber, Textile & Weaving Arts			
	Fine/Studio Arts - General	3 courses	Intro to BC Aboriginal Art History, First Nations cyberart and technology, Contemporary First Nations art	Developers: Emily Carr, UNBC; Funded: 2004; OPDF Log#: 162
		2 courses	First Nations Digital Storytelling, First Nations Art Studio	Developers: Emily Carr, UNBC; Funded: 2005; OPDF Log#: 201
		Masters of Applied Arts (low residency), 5 courses	MASR 521 Seminar in Research, MAIN 642 Interactivity, MAIN 643 Interactivity Project, MAGS 601 Graduate Seminar, MASR 5XX/6XX Thesis Writing	Developers: Emily Carr, UNBC, NIC; Funded: 2008; OPDF Log#: 372
	Industrial Design			
	Interior Design			
	Photography Related			
	Communication Design			
	Design	12 multidisciplinary design learning objects	Spatial Scale, Refocalization, Audio Refocalization, Visual Balance, Narrative Sequencing, Rhythm, Balance & Contrast, Design Language Utzon Blocks, Spatial Symmetry, Hierarchy Scale, Spatial Perspective, Snap Precision, Functional Form, Gestalt Effects, Hierarchy	Developers: SFU, Emily Carr; Funded: 2004; OPDF Log#: 176
	Fashion Related			
	Film/Video Related			
	Graphic Design			
	Integrated/Multimedia	2 courses	Media as Representation, Inquiry by Design	Developers: SFU, Emily Carr, UBC; Funded: 2005; OPDF Log#: 187
		2 courses	PHOT 101 Digital Photo Essentials, DIVA 205 Interactive Essentials Online	Developers: Emily Carr, UNBC, NIC, NWCC; Funded: 2006; OPDF Log#: 266
		4 courses	Interactivity—Web Art, Making Art for Mobile Devices, Social Software as Compositional Tool, Citizen Journalism	Developers: Emily Carr, UNBC, NIC; Funded: 2008; OPDF Log#: 373
	Music Related			
	Metal and Jewelry Arts			

BCcampus 2003-2008 Online Program Development Fund Projects Developing Professional Learning Resources for Educators

AREA	TYPE	INITIATIVE & NUMBER OF RESOURCES	RESOURCES	DEVELOPERS, YEAR FUNDED, OPDF LOG#
Accessibility	Procedures, Manual, and Workshops	5 workshops and 1 process manual	A set of procedures, manual, and workshops to operationalize web accessibility to online courses for disabled, international and low-bandwidth users.	Developers: UBC, SFU; Funded: 2005; OPDF Log# 246
	Videos & Process Manual	17 transcribed & captioned videos & 1 process manual	Videos (with transcripts & captions) - Issues in Adult Education: Elizabeth Carriere, Issues in Adult Education: Bud Hall, Issues in Adult Education: Majid Rahnema, Issues in Adult Education: Gordon Selman, Bad Kids? How to Create a Criminal, Observation and Recording Methods, Issues in Adult Education: Dan Pratt, Issues in Adult Education: John Friesen, Special Education Teachers Share The Challenge, Issues in Adult Education: Steven Brookfield, Investigating our Practices - Teacher Inquiry: An International Perspective, Issues in Adult Education: Elayne Harris, Issues in Adult Education: Jack Mezirow, Listen With Your Heart, Inclusive Education: Rediscovering Our Right To Belong, Voices of Friendship, Lights! Cameras! Attitude! Accessibility in Online Learning: Audio Video Process Manual explains and describes steps that instructors and web developers can take to make online audio and video accessible for students with disabilities, including sections on learning styles, transcribing and captioning, and video encoding for the Web.	Developers: UBC, SFU, BCIT; Funded: 2006; OPDF Log#: 276
Assessment & Evaluation	A Course for Post-Secondary Instructors	1 course	Authentic Assessment and Evaluation in Online Environments: A new online course that provides BC educators with enhanced skills and knowledge on how to design and use authentic forms of assessment in online learning environments.	Developers: RRU, UBC, VIU, Camosun; Funded: 2007; OPDF Log#: 345
Education Technologies	Course Management Systems (CMS)	Collaboratively implement and assess the open source CMS Moodle system as a viable platform for online teaching and learning for post-secondary institutions in BC - 8 resources	1. Development and production server configurations	Developers: VIU, CAP, CoTR, NVIT, SFU, Douglas; Funded: 2004; OPDF Log#: 184
			2. I.T. integration with existing systems	
			3. Faculty training, development and support	
			4. Conversion, migration and reuse (of existing WebCT courses and/or learning objects to Moodle)	
			5. Moodle implementation of existing courses (F2F courses to be implemented as new on-line courses using Moodle)	
			6. Enhancement of Moodle with tools	
			7. Helpdesk for students and faculty support	
			8. Shared Community of Learning: lessons learned and recommended best practices	
	Social Software	1 web site	Development of a set of resources including templates and best practice guides supporting the adoption and use of social software including blogs and wikis for learning. SocialLearning.ca web site	Developers: BCIT, UBC, UVic; Funded: 2005; OPDF Log#: 244
	Teaching Tools	6 tools supporting online teaching and learning	Timeline Tool, WebCT Discussion Extractor Tool, Character Stroke Recorder Tool, Multimedia Learning Object Authoring Tool, Dictionary, Vocabulary Memorization Platform Tool	Developers: UBC; Funded: 2003; OPDF Log#: 57
	Teaching Tools	3 tools supporting online teaching and learning	Flash Card Deck Generator, Language Pronunciation Tool, WYSIWYG Editor Tool	Developers: UBC; Funded: 2004; OPDF Log#: 133
	3D Virtual Worlds	4 workshops, 2 course modules, 4 professional development resources	Introducing Educators to Second Life - 4 in-world orientation workshops, 2 assignment course modules, and 4 professional development course modules that will familiarize educators with Second Life and support them in their use of it. Includes the provision of an initial structure and tools for creating a self-sustaining peer-based mentoring system.	Developers: BCIT, SFU; Funded: 2007; OPDF Log#: 323
	3D Virtual Worlds	OpenSimulator platform server	BC OpenSim - put in place an open source OpenSimulator platform server providing BC post secondary institutions with access to rent-free, robust open virtual worlds hosted in BC but able to link to other virtual worlds via an open simulator online index (OSGrid)	Developers: UNBC, CoTR; Funded: 2008; OPDF Log#: 353
Open Educational Resources	Strategic Framework	4 resources	Toward Open Education: Resources and Frameworks for Interaction - a set of professional learning resources that promote the development and reach of Open Educational Resources that engage educators and students. Resources will address context of open education movement, policy, instructional considerations, and technical considerations.	Develoeprs: UBC, CoTR, UVic; Funded: 2008; OPDF Log#: 358
Pedagogy	Best Practices	4 resources	First Nations Pedagogy for Online Learning - A collection of best practices in support of creating and implementing online learning opportunities for aboriginal learners. Development includes 4 resources; mixed mode courses, implementing active learning strategies, teaching and facilitating online courses, and instructional design for online courses. Initiative supports ongoing dialogue and sharing across all institutions.	Developers: NVIT, Kwantlen; Funded: 2007; OPDF Log#: 347
	Best Practices	2 video resources	Publish and disseminate an instructional video on The Art of Teaching to all BC post secondary institutions. Write, film, develop and publish a second Art of Teaching video on Inquiry-based Learning.	Developers: VIU, RRU, UVic, NIC, Camosun; Funded: 2008; OPDF Log#: 390
	Best Practices	4 video/DVD resources	Culturally Diverse Learners - a set of four professional learning videos around cultural differences and learning environments dealing with academic integrity/writing skills, group work/communication, participation/learning styles, and assessment strategies.	Developers: TRU; Funded: 2008; OPDF Log#: 354
	Best Practices	4 videos	Effective Video-casting Practices with Aboriginal Learners - four videos as part of best practice guidelines and resources that support effective videoconferencing instruction focused on serving Aboriginal learners. Products will include high definition video clips for delivery over video conferencing equipment, an interactive flash module using video footage for delivery over the web, and a low definition vodcast compressed as MP4 for mobile devices.	Developers: VIU; Funded: 2008; OPDF Log#: 366
Peer Based Professional Development	Collaboratory	1 collaborative community-based web site	Learn Together Collaboratory Website http://www.ltcollaboratory.org Phase I & II: events calendar, expertise inventory, funding database, teaching awards database, & professional development resources.	Developers: VIU with UCIPD, ETUG and NEDNet; Funded: 2007; OPDF Log#: 349 & 371
	Electronic Passports	1 passports of participation system and registry	Electronic Passports of Participation: A Provincial Approach to Encouraging and Recognizing Faculty Professional Development via a passports of participation system and registry that records and celebrates participation in professional development events across all post secondary.	Developers: UNBC, VIU, SFU, UBC, Camosun; Funded: 2008; OPDF Log#: 365

Map General Information

Read map from left to right. In the top section the first column shows BC post secondary education fields of study. The second column shows subject areas within those fields of study. The third column shows BCcampus Online Program Development Fund projects associated with the subject area along with the credential and number of resources being produced. The fourth column provides more detail on the specific resources being developed. The last column shows which BC post secondary institutions are developing the resources, the year in which funding was awarded, and the unique identifier log# assigned to the project.

Map shows a comprehensive picture of how the BCcampus Online Program Development Fund has contributed to the strategic development of two major categories of online resources:

1. Credit based online learning resources across BC's public post secondary system. Goal of all this development is to give students access to more academic programs that help them complete degrees, diplomas and certificates.
2. Professional learning resources for educator development. Goal of this development is to give educators access to resources that help them develop skills and knowledge particularly around the use of educational technology for teaching and learning.

There have been six annual rounds of the BCcampus Online Program Development Fund from 2003 through 2008. Funding is provided by the BC Ministry of Advanced Education and Labour Market Development. Cumulative total investment to date is $7.25 million.

Special thanks and acknowledgement is given to BC Council of Admissions and Transfer (BCCAT) for the BC public post secondary Field of Study and Subject Area Classification system used in this map. For more on BCCAT see their web site at http://www.bccat.ca and their Education Planner web site at http://www.educationplanner.bc.ca.

Map developed by Paul Stacey, BCcampus Director of Development and Professional Services, Version 1 January 2009.

For more information or to provide feedback on this map and the Online Program Development Fund contact Paul Stacey by e-mail at pstacey@bccampus.ca or by phone at 604-412-7736.

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Map Use Cases:

Use map as an aid for academic planning of online learning. Map shows what programs and courses are already under development in each academic field of study and subject area.

Use map to identify who to form inter-institutional partnerships and collaborations with to further build out an academic area or start development of one not yet underway. Map shows what institutions are developing what fields of study and subject areas.

If you are an educator use map as an aid for finding online learning resources you can use in your own teaching practice. All BCcampus Online Program Development Fund projects produce Open Education Resources that are available for free sharing and reuse among educators within BC's public post secondary system. As projects complete their development cycle they are licensed for sharing and uploaded to the BCcampus Shareable Online Learning Resources repository (SOL*R) http://solr.bccampus.ca. SOL*R has a search engine that enables you to search for resources by field of study, subject area, contributing institution and other attributes. The Advanced Search feature of SOL*R lets you search by OPDF Log# to find just those resources associated with a specific project.

Once projects receive an OPDF award they go through a development cycle that is typically 12-18 months long. Resources from recently funded projects will not be found in SOL*R until development is complete.

Academic resources developed through the OPDF are credit-based courses or learning objects. Learning objects are small, self-contained units of learning usable in multiple fields of study and subject areas. Learning objects have been mapped to the best fit field of study and subject area but may have applicability in other academic areas too.

All developed resources are digital intended for 100% online delivery primarily through course management systems including Moodle, Blackboard, and Desire2Learn. While developed for 100% online uses resources are used to support blended and face-to-face delivery too.

Map Analysis:

Online learning resources are becoming pervasive. The map shows the extent to which online learning is being developed and used for delivery to students across a broad spectrum of academic fields of study and subject areas.

Development of academic online learning resources is focused on areas of high student demand and/or provincial, regional, or local labour market need.

Large development clusters are happening in Business Management, Liberal Arts & Humanities, Sciences, Social Sciences, and Visual Performing and Fine Arts.

The primary gaps in development are in trades related areas - Construction and Precision Production, Mechanical and Related, Transportation. In partnership with the BC Industry Training Agency BCcampus is launching a new funding initiative in 2009 focused specifically on supporting the development of flexible learning for the trades.

Online learning resources are being developed not just for the theory components of courses but for complete courses including the lab part of science courses and the studio part of art courses.

The Online Program Development Fund has led to the development and availability of numerous complete credentials including degrees, diplomas and certificates. These online programs broaden academic reach and enable participation of students all across BC.
Complete credentials were developed through the OPDF in three ways:
1. A single round of funding allowed for development of all the courses required for a complete credential.
2. A complete credential was built out gradually through multiple rounds of funding.
3. OPDF provided funding needed for development of the last few courses required to make the complete credential online.
Many credentials are currently partially built out with plans to complete development through subsequent rounds of funding.

All BC public post secondary institutions participate in the Online Program Development Fund. In addition the Online Program Development Fund stimulates extensive inter-institutional collaboration. The vast majority of development is done collaboratively involving two or more institutions. While BC post secondary institutions are the lead developers for all OPDF initiatives many projects have outside partners including associations, non-profit groups, societies, school districts, First Nation groups, federal government agencies, private sector companies, and higher education institutions outside of BC. Although these partners are not shown on this map their contributions are significant and their participation broadens the reach and benefits of OPDF development activities across sectors and beyond.

As online learning becomes more and more pervasive it is increasingly important to complement online learning development and delivery with educator professional development resources on how to effectively do so. Educator professional learning OPDF projects are helping build this capacity in BC's public post secondary system. Development activities in this area are increasingly being led by grassroots groups of educators who have formed special interest groups for educational technology and the scholarship of teaching and learning. Participants in these grassroot organizations come from all BC public post secondary institutions with an interest in networking and tapping into expertise and best practices across the whole post secondary system.

Map Legend:

BCIT = British Columbia Institute of Technology
CAM = Camosun College
CAP = Capilano University
CNC = College of New Caledonia
CoTR = College of the Rockies
DOUG = Douglas College
Emily Carr = Emily Carr University of Art and Design
JI = Justice Institute of BC
Kwantlen = Kwantlen Polytechnic University
Langara = Langara College
NVIT = Nicola Valley Institute of Technology
NIC = North Island College
NLC = Northern Lights College
NWCC = Northwest Community College
OC = Okanagan College
RRU = Royal Roads University
SEL = Selkirk College
SFU = Simon Fraser University
TRU = Thompson Rivers University
TRU-OL = Thompson Rivers University - Open Learning
UBC = University of British Columbia
UBC-O = University of British Columbia - Okanagan
UNBC = University of Northern B.C.
UVIC = University of Victoria
UFV = University of the Fraser Valley
VCC = Vancouver Community College
VIU = Vancouver Island University

UCIPD = University College Institute Professional Developers
ETUG = Educational Technology Users Group
NEDNet = Northern Educator Developers Network

OPDF = BCcampus Online Program Development Fund
Funded = year of annual OPDF in which award was made
Log# = unique BCcampus Log# assigned to project for record keeping, tracking and searching