Master’s Theses Titles for Fall 2013 Graduation

Laura Belben – Department of Sociology
Rethinking Drug Treatment Procedures in Nova Scotia: The Re-Humanizing of Drug Dependent Persons

Robin Campbell – School of Recreation Management
International Volunteerism: A Case Study of Experiences and Impacts

Emily Duffett – Department of Sociology
Employment for People with Disabilities in Nova Scotia: From the Perspectives of Service Providers and Individuals with Disabilities

Andrea Finkelstein – Department of Psychology
Dyadic Coping, Attachment Styles, and Well-Being: The Implications of the Type of Coping Encouraged by One’s Parter

Megan Fisher – Department of Biology
Hydrogen Peroxide Treatment of Fresh-Cut Spinach (Spinacia Oleracea L.) and its Effects on Microbiological and Quality Parameters

Breanna Keeler – Department of English
Redefining the Self: Depicting Nature and the Construction of Identity in the Poetry of Anne Michaels and John Steffler

Carol Little – Department of Sociology
The Medicalization of Sexuality in Twentieth-Century American Lesbian-Identified Literature

Ziwei Liu – School of Recreation Management
Cultural Tourism Development and the Mosuo People in Lugu Lake, China

Luke Poirier – Department of Biology
Distribution of the American Eel, Anguilla rostrata, In Saline Waters of North America

Sonja Sapach – Social and Political Thought
The WoW Factor: The Development of Social Solidarity in Azeroth

Danielle Taylor – Department of English
The Lancelot-Gawain Parallel in Malory’s Le Morte Darthur

Anna Webster – Department of Psychology
Interrelations of Mother-Child Relationship Harmony, Maternal Personality Features, and History of Childhood Trauma in High Psychosocial Risk Families

Travis White – Department of Biology
In the Cold and Near the Edge: Hypoxia Tolerance, Seasonal Site Fidelity, and Communal Hibernation in a Peripheral Population of Wood Turtles (Glyptemys insculpta)
Bradley Woodworth – Department of Biology
Movement Ecology of Songbirds During Fall Migration in Southwestern Nova Scotia

Master’s Theses Titles for Spring 2013 Convocation

Karen Asp – Social and Political Thought
Melting Icecaps, Missing Bees: Adorno on Interpretation and Dialectics in the Anthropocene Era

Catherine Craig – Department of Biology
Multi-Scale Habitat Selection and Fledging Success of Black-Backed and American Three-Toed Woodpeckers in Managed Forest Landscapes

Suzanne Farmer – Department of Psychology
Perceptions and Understanding of Activity Messages: Is There a Difference Between ‘Exercise’ and ‘Physical Activity’?

Lara Hazelton – School of Education
Conceptualizing and Operationalizing Honesty and Integrity in Postgraduate Medical Education

S.M. Mozammal Hossain – School of Computer Science
A Personal Meeting Scheduling Agent

Hilary Kitchener – Department of Psychology
Adult Attachment Styles as Predictors of Pain Experience in a Social Context

Megan MacCormac – Department of Sociology
“Build for the Future!” The Educational Biography of the Very Right Reverend Doctor Monsignor Gregory J. McLellan

Colin MacKay – Department of Biology
Antennal Sensilla Morphology and Olfactory Physiology of the Brown Spruce Longhorn Beetle, Tetropium Fuscum (Fabr.) (Coleoptera: Cerambycidae)

Montana McLean – Department of Biology
Feeding Ecology and Movement Patterns of Atlantic Sturgeon in Minas Basin, Bay of Fundy

Mitchell O’Flaherty-Sproul – Department of Mathematics and Statistics
New High and Low Resolution Numerical Models of the Tidal Currents Through the Digby Neck Passages

Danielle Quinn – Department of Biology
The Structure of Freshwater and Diadromous Fish Assemblages in Nova Scotia Rivers and Lakes and the Contribution of Non-Native Piscivorous Fish to Fish Assemblage Structure Using Historical Data

Katherine Robertson – Department of Sociology
Beyond Institutions: Youth Corrections in Ontario under the Youth Criminal Justice Act
Charlotte Rogers – Social and Political Thought
(Sur)passing Judgement: An Argument for Judges’ Contribution to Democratic Representation in the Process of Judicial Review

**Master’s Theses Titles for October 2012 Graduation**

Wael Alghamdi – School of Computer Science
Context-Aware Driver Assistance System

Jenna Amirault – Department of Sociology
Occupy: Towards a Consequential Politics

Ting-Yi Chou – Department of Chemistry
Synthetic Studies on Benzo-fused Five-membered N/O Heterocycles

Duane Currie – School of Computer Science
An Analysis of Context-Sensitive Neural Networks

Jing Ding – Department of Mathematics and Statistics
Comparison of Population Reconstruction Methods Using Age-at-harvest Data and Catch Effort

Michael Hanrahan – Department of Psychology
Values, Community, Work Setting, and Burnout in Professionals Providing Treatment to Sexual Offender Populations

Sara-Lynne Jones – School of Education
Anxiety and Art: Representations and Reflections

Azadeh Kashian – School of Computer Science
Web Census iPad Application

Graham Ledgerwood – Department of Political Science
Political Language: Exploring Societal Discontent through the Works of Merleau-Ponty and Rousseau

Ronald Massawe – Department of Earth and Environmental Science
Petrology and Lithogeochemistry of Host Rocks to the Bisha and Harena Cu-Zn-Au Volcanic Hosted Massive Sulphide Deposits, Eritrea

Monik Richard – Department of Biology
Cheloniochronology of the NS Blanding’s Turtle: Analysis of Plastral Growth Increments and Climate Correlation

Ann Schreuders – School of Education
In Their Own Words: A Study Examining AA and NA Members’ Experiences of the 12-Step Self-Help Worldview
Hilary White – Department of Earth and Environmental Science
Paleolimnological Records of Post-Glacial Lake and Wetland Evolution from the Isthmus of Chignecto Region, Eastern Canada

Louis Zsámboki – Department of Earth and Environmental Science
Geophysical Modeling in the Cabot Strait – St. George’s Bay Area Between Cape Breton Island and Southwestern Newfoundland, Canada

Master’s Theses Titles for Spring 2012 Convocation

Sara Akin – Department of Earth & Environmental Science
Sedimentology and Stratigraphy of the Paleoproterozoic Frere Formation, Western Australia: Implications for the Evolution of The Precambrian Ocean

Donnelly Archibald – Department of Earth & Environmental Science
Field Relations, Petrology, and Tectonic Setting of the Ordovician West Barneys River Plutonic Suite, Southern Antigonish Highlands, Nova Scotia

Denise Burgess – School of Education
Dangling the Carrot: Teachers’ Experiences and Practices Integrating Assistive Technology in the Upper Elementary Classroom

Lise Charbonneau – Department of Biology
Effects of Fungal Parasites on Honey Bee Learning and Memory

Xiaolei Chen – Department of Mathematics and Statistics
Kendall’s Tau as the Test for Trend in Time Series Data

Laura Ferguson – Department of Biology
Fecundity Reduction and Modification of Behaviour in Mosquitoes of the Genus Culex Infected with Apicomplexan Blood Parasites of the Genus Hepatozoon

Avik Ghoshdastidar – Department of Chemistry
Treatment of Organophosphorus Insecticides and Phenoxyacetic Acid Herbicides Using Membrane Bioreactor Technology

Jillian Kelly – Department of Biology
Development Towards a Pheromone-based Monitoring System for Red-Striped Fireworm, Aroga Trialbamaculella Chambers (Lepidoptera: Gelechiidae), A Pest of Wild Blueberries

Marylise Lefevre – Department of Biology
Atlantic Salmon Juvenile Migration in the Rivière Saint-Jean, QC and the Gulf of Saint Lawrence: Effects of Environmental Variables and Identification of Migration Pathways

Catherine Little – Department of Biology
Interactions Among Mites (Varroa Destructor), Microsporidia (Nosema Spp.), Chemotherapy, and Immunocompetence in European Honey Bees (Apis Mellifera)
Jennifer Moore – School of Education
Finding a Space between Choice and Life: The Emotional Landscape of Abortion

Allison Muise – Department of Biology (Applied Geomatics)
Object-based Land-cover Classification of Sable Island, Nova Scotia

Raya Puchalski – Department of Earth & Environmental Science
Field Relations and Petrology of the Trafalgar Plutonic Suite, Northeastern Meguma Terrane, Nova Scotia

David Purdy – Department of English
If Satan Were A Nazi, Eve a Green Alien, and God a Talking Lion: C. S. Lewis’s Novels in Creative Dialogue with Paradise Lost

Colin Spencer – Department of Biology
Synthesis and Characterization of Ruthenium Polypyridyl Complexes for Application in Photodynamic Therapy

Michelle Valley – Department of Psychology
Interactivity, Learning, and Learning Regulation: Is More Interactivity Always Better?

Emma Vost – Department of Biology
Photoreactions of Mercury in the Freshwater Lakes of Kejimkujik National Park, Nova Scotia

Master’s Theses Titles October 2011 Graduation

Lilianne Arsenault – Department of Biology
Headstarting Blanding’s turtles (Emydoidea Blandingii) in Nova Scotia: An Investigation of Artificial Incubation, Captive-Rearing, and Release to Natural Habitats

Kristen Bailey – Department of Psychology
Using Attachment Theory to Predict Pain Support and Pain Support Preferences: An Actor Partner Interdependence Model Investigation

Biniam Tesfay Bisrat – Department of Earth & Environmental Science
The Use of Partial Digestion Techniques in Pedgeochemical Exploration

Neville Crasto – Department of Earth & Environmental Science
Hydrological Feature Delineation and Water Level Estimation in the MacKenzie Delta, Northwest Territories, Canada, Using Digital Terrain Analyses on Airborne Lidar Derived Data

Jonathan Deschene – Department of English
Forging Faërie: Sub-creation, Depth and Mythic Otherworldliness in J. R. R. Tolkien’s Conception of the Fairy-Story

Justin Ferguson – Department of Sociology
The Money Delusion: Capitalist Wealth Versus Real Wealth
Samantha Fizell – Department of Psychology
Confronting Insecurity: Investigating the Processing of Emotional Support in Romantic Relationships

Christopher Fry – School of Computer Science
Extending the XML Compressor Exact with Lazy Updates

Melissa Gendron – Department of Psychology
Talking About Health Events: Conversational Style of Parents and Children in a Family Relationship Context

Nicole Hattie – Department of Sociology
Local Level Popular Socialist Development in Havana Cuba: Agriculture, Music, Education, and Health

Carolyn Landry – Department of Sociology
How Racism Can be Normalized: A Mi’kmaw Perspective

Garry Leech – Department of Sociology
Capitalism as Structural Genocide and the Socialist Alternative

Carolyn Matkovich – Department of Biology
Radar Aeroecology: Mesoscale Nocturnal Avian Migration and Using Radar Cross Section to Distinguish Among Target Types

Susan Monro – Department of Chemistry
In Vitro Interactions of Blueberry Phenolics with Protein, Nucleic Acids, and Cells

Ryan Nicholson – Department of Psychology
Predicting Cynicism as a Function of Trust and Civility: A Longitudinal Analysis

Sarah Rodimon – Department of Sociology
Revolutionizing Communities: Social Projects in Nueva Segovia, Nicaragua

Alison Shott – Department of Political Science
Million Acre Identity: The Endurance of Complex Traditionalism in Prince Edward Island’s Political Culture

Alison Smith – Department of English
Questionable Empowerment: Accounts of the Self in Restorative Justice

Feseha Tesfai – Department of Earth and Environmental Science
Petrology and Ti-P-V Potential of the Lower Coverdale Plutonic Suite, Southeastern New Brunswick, Canada

Alexander Traikov – Department of Mathematics and Statistics
Improving a Solar Irradiance Model Using Statistical Methods
Kimberley Wallace – Department of English
Radical Reads: Dennis Foon’s *The Longlight Trilogy* and Janet McNaughton’s *The Secret Under My Skin* and *The Raintree Rebellion*, Canadian Young Adult Dystopias for the Twenty-First Century

Janet Warner – Department of Psychology
Condom Use and Associated Variables in a University Population

Rebekah Wetmore – Department of Sociology
Goodbye ‘Manguard’? Women and the Bolivarian Revolution in Venezuela

**Master’s Theses Titles Spring 2011 Convocation**

Suzanne Blatt – Department of Chemistry
Development of PM-IRRAS to Study Small Molecules on Au(111) Electrodes

Cherie Borden – School of Education
Exploring Gender and Sexuality in High School English Literature

Catherine de Vreede – School of Recreation Management
*Mindshift*: Impacts of Sustainability Peer Education on Youth Leaders

Samuel Edmonds – Department of Biology
Range-Wide Distribution of Mercury in Rusty Blackbirds (Euphagus Carolinus) and Factors Contributing to Methylmercury Bioavailability at Northeastern Wetland Breeding Sites

Benjamin Fowler – School of Computer Science
Context-Sensitive Multiple Task Learning with Consolidated Domain Knowledge

Elisabeth Frost – Department of Biology
Using the Proboscis Extension Reflex to Evaluate Effects of Stressors on Honeybee Learning and Memory

Stanley Janz – Department of English
“Reflected in a Mirror, Through a Mirror:” Excess and Uncertainty in Philip K. Dick’s novel *A Scanner Darkly* and Richard Linklater’s filmic adaptation

Yifei Jiang – School of Computer Science
Base Station Controlled Intelligent Cluster-based Routing in Wireless Sensor Networks

Nan Kang – School of Computer Science
Detecting Misbehaving Nodes in Mobile Ad hoc Networks

Laura Leslie – School of Education
Administrators’ Experiences in Responding to the Sudden Death of a Student

Peng Luo – School of Computer Science
Domain Name Census
Leland Maerz – School of Education
Keeping Faith, Externalizing Belief: The Political and Therapeutic Significance of Narrative Therapy in a Post-Secular Era

Stefan Morales – Department of Political Science
A Political History of Soil: A Genealogy of the Relationship Between Soil and Logistics

Rebecca Mosher – School of Education
The Role of Educational Assistants in Inclusive Education within the Annapolis Valley Regional School Board

Pizye Nankamba – Department of Earth & Environmental Science
Metallogeny and Environmental Geochemistry of Heavy Metal Mineralisation in the Horton Group, Windsor, Nova Scotia

Erin Patstone – Department of Sociology
The Dominican Republic: Sexscape for North America and Europe

Jennifer Phillips – School of Education
Integrating Information and Communication Technology into Curriculum: A Case Study in Atlantic Canada

Jean-Luc Pilote – Department of Earth & Environmental Science
Petrology, Petrogenesis, Economic Potential, and Tectonic Implications of the Landry Brook and Dickie Brook Plutons and Charlo Plutonic Suite, Northern New Brunswick

Sarah Pittoello – School of Education
A Call to Wholeness: Exploring the Contributions of Yoga to Counsellor Education

Sarah Reddington – School of Education
Ordinary Kids, Real Social Experiences: Emerging Perspectives on the Social Needs of Autistic Adolescents

Robert Treat – Department of Earth & Environmental Science
Structure and Petrology of the Partridge Island Block and its Role in the Tectonic Evolution of the Saint John Area, New Brunswick

Matthew Tucker – Department of Earth & Environmental Science
Geology and Mineral Occurrences in the Faribault Brook Area, Cape Breton Island, Nova Scotia

Douglas Vaughan – Department of Chemistry
Green Syntheses of 2-Naphthol-based Oxapolycycles

Angela Vogels – Department of Mathematics & Statistics
The Fundamentals and Theoretical Concepts of Modeling Age Structured Populations
Kelly Whitney-Squire – School of Recreation Management
Exploring the Relationship between Aboriginal Ecotourism and Community-based Development in Haida Gwaii, Canada

Ashif Yousuf – School of Computer Science
Energy Efficient Data Gathering for Wireless Sensor Networks

Master’s Theses Titles October 2010 Graduation

Jesse Brillinger – Department of English
A Chivalric Reassessment of Malory’s Champion

Janice Flynn – Department of Biology
A Stage of Development Index to Examine Livewood and Deadwood Relationships in Disturbed Stands of Nova Scotia’s Acadian Forest

M. Ryan Francis – Department of Political Science

Mark Franey – Department of Mathematics and Statistics
Accelerating Statistical Computing With Graphics Processing Units

Alexandra Gilbert – Department of English
Landscape, Place and Belonging in John Steffler’s The Grey Islands

Anthony Gracey – Department of Sociology
Upholding the Haudenosaunee Great Law of Peace or Defying Canada’s Rule of Law? An Examination of English-Canadian Newspaper Depictions of the April 20th, 2006 Police Raid of the Haudenosaunee Reclamation Movement at Kanonhstaton

Kristina Hobson – Department of Psychology
A Diary Study of Dyadic Coping in Romantic Relationships

Hai Minh Howard Huynh – Department of Biology
Taxonomic Studies on the Tricolored Bat, Perimyotis Subflavus, in Southwestern Nova Scotia, Canada

Karen Jackson – Department of English
Reflections of Nature in the Mirror of Capitalism: The Commodification and Consumption of Nature in Pilgrim at Tinker Creek by Annie Dillard

Vanessa McColl – Department of Psychology
An Examination of the Associations of Self-Determination and Self-Regulation Variables with Psychological Well-Being

Duncan Philpot – Department of Sociology
Fear, Anger, or Apathy? An Exploration and Critique of the Progress of the Crime-Media Effects Debate
Md Shafayat Rahman – School of Computer Science
Secure and Resource Efficient Key Predistribution Technique for Wireless Sensor Networks

Sara Saddington – Department of English
Cultivating Class Consciousness in Canadian Short Fiction from the 1930s

Mubashsharul Shafique – School of Computer Science
Energy Efficient Virtual Backbone using Dominating Sets for Wireless Sensor Networks

David Swanton – Department of Earth and Environmental Science
Field Relations, Petrology, Tectonic Setting and Economic Potential of Metamorphic and Igneous Rocks in the Whycocomagh Mountain – Aberdeen Ridge Area, Cape Breton Island, Nova Scotia

Master’s Theses Titles for Spring 2010 Convocation

Anwarul Azim – School of Computer Science
Virtual Mimo for Energy Efficient Cognitive Wireless Sensor Network

Edwin Escarraga Arenas – Department of Earth and Environmental Science
Field Relationships, Petrology, Age, and Tectonic Setting of Previously Inferred Devonian-Carboniferous Granitic Plutons in the Antigonish Highlands, Nova Scotia

Cole Edwards – Department of Earth and Environmental Science
The Paleoecology of Paleoproterozoic Microbial Communities in the Ferriman Group, Labrador Trough, Canada

P Bradford Hubley – Department of Biology
Examining Mortality of Mature Atlantic Salmon (Salmo salar) and Its Effects on Iteroparity

Rebecca Jeppesen – Department of Biology
Weaseling Their Way Back into Cape Breton? Habitat Suitability and Individual-based Modeling of the Cape Breton Island Marten (Martes Americana) Population

Peter Kydd – Department of Biology
Movement Rates, Movement Patterns, and Home Ranges of Endangered Blanding’s Turtles (Emydoidea blandingii) in Nova Scotia

Sean LeMoine – Department of Biology
Biodiversity and Forage Quality Under a Delayed Cutting Regime in the Fields of Belleisle, Nova Scotia: A Comparison of a Late Maturing Cultivar and Conventional Hayfields
Myles McNutt – Department of English
But I’m Sure it Means the Houses, The Village: The Nation in the Small Town in Canadian Literature and Television

Tamara Moss – Department of Earth and Environmental Science
Petrography and Lithogeochemistry of the Quebrada Blanca Copper-Molybdenum Deposit, Region I, Chile

Naomi Stright – Department of Psychology
What’s the Use of Excuses? Implications of Incivility Rationales in the Workplace

Liangliang (Steven) Tu – School of Computer Science
Image Morphing: Inductive Transfer Between Tasks That Have Multiple Outputs

Lin Zhang – School of Computer Science
Web Server Classification Using the Multinomial Naïve Bayes Algorithm

Master’s Theses Titles for October 2009 Convocation
Sheldon Jeffrey Bailey – Department of Psychology
Expanding the social communications model of pain: are adult attachment characteristics associated with observers' pain-related evaluations?

Rhea Bishop – Department of Sociology
The iatrogenic effect of government policies on nursing in rural Nova Scotia

Jason Bryan – Department of Biology
Modeling life history changes in inner Bay of Fundy Atlantic salmon to test hypotheses for population decline

Michelle Damour – Department of English
Homeward "bound": discourses, spaces and reconciliation in Joy Kogawa's Obasan and Daphne Marlatt's Ana historic

Craig Farrell – Department of English
Living in fear of our genetic heritage

Michelle Greenlaw – Department of Biology
A classification of coastal inlets of mainland Nova Scotia, using geophysical information to define ecological representation and to evaluate existing and proposed protected areas
Zhao Gu – Department of Math and Stats
Sampling with control on joint inclusion probabilities and its applications to balanced structures

Tyson Kerr – Department of Biology
Comparative MADS-box gene expression in Physocarpus opulifolius (Rosaceae)

Avra Laarakker – Department of Math and Stats
Topological properties of tiles and digit sets

Jose LeFebvre – Department of Biology
Marrying conservation and exploitation: combining integrated resource management plans (IRMs) and the Blanding's turtle (Emydoidea blandingii) to conserve and manage wetland ecosystems in Nova Scotia

Shujie Li – Department of Math and Stats
Query classification based on a new query expansion approach

Lisa MacDougall – Department of Sociology
Restorative justice and sexual assault in Nova Scotia: Why is the door ajar?

Jeremy MacFarlane – Department of English
Ideological geography: Sandburg, Steinbeck, Dos Passos and space

Natasha Mandryk – Department of Math and Stats
Noncommutative Gröbner basis cryptosystems

Jeffrey Martin – School of Recreation Management
Risk management in Canadian post-secondary outdoor adventure education

Anne-Elise O’Regan – Department of Psychology
Social support, stress, and cognitive coping strategies as predictors of anxiety and depression during the transition to university

Elizabeth Potter – Department of Chemistry
Design, synthesis and bioevaluation of novel potential anticancer prodrugs and condensation reactions of pyridine carboxaldehydes on 2 – tetralones

Stephanie Redden – Department of Political Science
How capability maneuvers within exploitation: an examination of the women workers in Mexico's electronic assembly maquiladoras

Aron Roxin – Department of Chemistry
Photochemistry of 2,7-disubstituted-9-fluorenyl alcohols and esters
Kemouy Sebastian – Department of Sociology
Hidden costs: single mothers juggling work, family and health

Karen Turner – Department of Psychology
Workplace incivility and organizational outcomes: Is the quality of social relationships at work important for employee attitudes, behaviours, and mental health?