
EDUCATION

1988 - 1993 University of Saskatchewan
B.Sc. in Biology, 4-year advanced.
4-year advanced certificate in Archaeology.

WORK EXPERIENCE

University courses instructed:

- BIOL 110.6 Introductory Biology, University of Saskatchewan (lecture and lab)
- BIOL 120.3 The Nature of Life, University of Saskatchewan (lecture and lab)
- BIOL 121.3 The Diversity of Life, University of Saskatchewan (lecture and lab)
- BIOL 140.3 Human Biology, University of Regina (lecture and lab)
- BIOL 211.3 Genetics, University of Saskatchewan (lab)
- BIOL 224.3 Animal Body Systems, University of Saskatchewan (lecture and lab)
- BIOL 228.3 An Introduction to Ecology and Ecosystems, University of Saskatchewan (lecture and lab)
- BIOL 253.3 Ecosystems, University of Saskatchewan (lab)
- BIOL 312.3 Life in the North, University of Saskatchewan (lecture)
- BIOL 350.3 Honours Field Course, University of Saskatchewan (lab)
- NRTH 312.3 Environmental Geography of the Circumpolar North, University of Saskatchewan (lecture)

Biological or scientific principles instructed:

- Introductory chemistry, biochemistry and organic chemistry
- Cell anatomy and physiology, including: membrane structure, membrane transport, cell signalling, DNA replication, gene expression and regulation, photosynthesis and cellular respiration
- Genetics and evolution, including: mitosis and meiosis, Mendelian genetics and other patterns of inheritance, population genetics and microevolution, speciation and macroevolution, cell origins
- Taxonomy and surveys of Domains, Kingdoms and Phyla
- Vertebrate and non-vertebrate systems, including: nervous and sensory, endocrine and reproductive, skeletal and muscular, urinary, circulatory, respiratory, digestive and metabolism
- Population, community and general ecology, including: plant and animal adaptations, life history, population growth, fecundity and life tables, Hardy-Weinberg equilibrium, competition, exploitation, mutualism, biogeochemical cycles, landscape ecology, biomes, and human influences on previously listed
- Circumpolar biology and geography of the Arctic, including: infrastructure development and its impacts, effects of resource extraction, effects of agriculture and forestry, effects of hunting/fishing, technological innovations and solutions to current problems, Arctic flora and fauna, state of health of living beings in the Arctic, sea ice dynamics
- Scientific method, field sampling techniques, chi-squared analysis, research skills, report and paper writing skills, presentation skills

WORK EXPERIENCE

Computer and digital media courses instructed:

- COAP 115 Word Processing 1, Saskatchewan Polytechnic
- COAP 116 Word Processing 2, Saskatchewan Polytechnic
- COMP 120 Microsoft Office – Information Systems, Saskatchewan Polytechnic
- COMP 170 Basic Computer Instruction, Saskatchewan Polytechnic
- COMP 171 Intro to Microsoft Word, Saskatchewan Polytechnic
- COMP 172 Intro to Microsoft Word and Excel, Saskatchewan Polytechnic
- COMP 174 Intro to Microsoft Excel 1, Saskatchewan Polytechnic
- COMP 179 Intro to PowerPoint, Saskatchewan Polytechnic
- Computer Basics, Cumberland Regional College
- File and Folder Management, Cumberland Regional College
- Digital Photography, Cumberland Regional College
- Microsoft Office Suite, Cumberland Regional College
- Website Design, Cumberland Regional College
- Workplace Essential Skills, Cumberland Regional College

Computer, software and photography principles instructed:

- Use of computer hardware and peripherals
- Use of Microsoft Windows operating system
- File and folder management
- Microsoft Word, including: document and template creation, formal letter and memo creation, report creation, character and paragraph formatting, use of styles and themes, find and replace, tables, illustrations, links, headers and footers, text boxes, page setup, referencing, mail merge, comments and tracking changes, document views
- Microsoft Excel, including: workbook and template creation, general formatting, conditional formatting, table formatting, grouping sheets, charts, page setup, formulas and functions, data sorting and other data tools, comments, protecting sheets and workbooks, workbook views
- Microsoft PowerPoint, including: slideshow and template creation, general formatting, audio and video functions, slideshow designs, transitions and animations, slideshow controls
- Microsoft Publisher, including: design and creation of brochures, business cards and websites
- Microsoft Access, including: database creation, data entry, create and manipulate tables, create and manipulate queries, create and manipulate reports
- Digital photography: use and menu settings for both point-and-shoot and SLR cameras, methodologies for controlling light exposure and the effects on the final image, SLR lens types and usage, use of photo editing software
- Website design: use of website construction software, writing HTML and CSS code

WORK EXPERIENCE

Other instruction, experience and duties:

- Sessional Lecturer Duties: prepare syllabi and course outlines, thoroughly prepare and research for weekly lectures, deliver weekly lectures, ensure students comprehend delivered material, answer and research student's questions, prepare and supervise examinations, mark examinations, keep accurate record of class marks and grades, hold physical office hours for student contact, respond to student e-mails outside of physical contact time, communicate with students via PAWS and Blackboard Learn websites, communicate efficiently with university and college staff.
- Laboratory Coordinator/Demonstrator: prepare lab materials on-site, coordinate ordering of lab supplies (for several off-campus locations), prepare and deliver short lectures for each lab session, increase students' understanding of material, prepare exams and assignments, mark exams and assignments, record marks, manage students, maintain lab equipment.
- Workplace Essential Skills Instruction: prepare course outline, provide computer instruction for Microsoft Office Suite and the Internet, assist students in completing a resume and covering letter, assist with job search techniques on the computer, instruct basic math skills and financial literacy, keep accurate records and prepare reports, culturally sensitive and aware.
- English Language Instruction: prepare lesson plans and learning outcomes, assist with English grammar, assist with definitions and pronunciation, encourage discussion and practice of the English language, culturally sensitive and aware.
- Departmental Assistant: lab coordination and demonstration (see above), curriculum development, teaching assistant hiring, training and supervision, payroll assistant, record keeping.
- Research Assistant/Coordinator (for PhD candidate): field observations of burrowing owls in southern Saskatchewan, artificial nest construction and installation, nest site monitoring, adult owl sex determination, egg measuring, clutch size assessment and monitoring, nestling measuring and monitoring, food supplementation, bird banding, owl pellet analysis, small mammal monitoring and identification, habitat identification and monitoring, data collecting, data analysis, literature searches, report writing

WORK HISTORY

Recent Sessional Lecturer

2006 - current	UofS Biology and St. Peter's College Muenster, Saskatchewan
2007 - current	UofS Biology/CCDE and Cumberland College Melfort, Saskatchewan
2016 - current	UofS Biology/CCDE and North West College North Battleford and Meadow Lake, Saskatchewan
2014, 2017 & 2018	UofR Biology/Education and Cumberland College Melfort and Nipawin, Saskatchewan

WORK HISTORY

Past Sessional Lecturer

- 2011 - 2017 UofS Biology and NORTEP/NORPAC
La Ronge, Saskatchewan
- 2012 - 2018 UofS Biology/CCDE and Northlands College
La Ronge, Saskatchewan

Laboratory Coordinator and Demonstrator

- 2001 - current UofS Biology and St. Peter's College
Muenster, Saskatchewan
- 2005 - current UofS Biology/CCDE and Cumberland College
Melfort, Saskatchewan
- 2018 - current UofS Biology/CCDE and North West College
North Battleford and Meadow Lake, Saskatchewan
- 2014, 2017 & 2018 UofR Biology/Education and Cumberland College
Melfort and Nipawin, Saskatchewan
- 2011 - 2017 UofS Biology and NORPAC/NORTEP
La Ronge, Saskatchewan
- May 2012 & June 2013 UofS Biology/CCDE and Northlands College
La Ronge, Saskatchewan

Computer Instructor and Community Education Instructor

- 2004 - current Cumberland College
Melfort/Tisdale/Nipawin, Saskatchewan

Workplace Essential Skills Instructor

- 2013 - 2015 Cumberland College
Melfort, Saskatchewan

LINC/ESL Instructor

- Feb. - June 2012 Cumberland College
March - April 2013 Melfort, Saskatchewan

Departmental Assistant

- 1995 - 2005 Department of Biology
University of Saskatchewan
Saskatoon, Saskatchewan

Research Assistant and Coordinator

- 1992, 1993, 1995 Department of Biological Sciences; Ministry of Environment
University of Alberta; Government of Saskatchewan
Edmonton, Alberta; Regina, Saskatchewan

PROFESSION DEVELOPMENT, VOLUNTEER & INTERESTS

- Paleontological dig - Carrot River, SK and Grasslands National Park, SK 2015-2017
- TESL Conference - Swift Current, SK 2013
- Archaeological dig - St. Louis, SK 2003
- University of Saskatchewan Bioscan organizer/presenter – Saskatoon, SK 1990, 1993
- University of Saskatchewan Biology Museum Tour Guide – Saskatoon, SK 1990, 1991
- Knowledge, construction and maintenance of computers and computer peripherals
- Small mammal and aquatic insect identification
- Archery, photography, carpentry, gardening