Faculty Directory of Research & Teaching Expertise

LAKEHEAD UNIVERSITY 1965 SILVER JUBILEE 1990

Lakehead University

A Northern Vision

FOREWORD

This Directory is presented as an invitation to become more familiar with the academic faculty members of Lakehead University. It describes the areas of expertise of over 270 individuals involved in teaching and research in many diverse disciplines.

Lakehead University has always been a regional institution enjoying considerable public familiarity and involvement. Recent events, however, provide new opportunities to strengthen interactions even further. It is widely recognized that institutions of higher learning play significant roles in the cultural development, economic prosperity and adaptability of the cities and regions in which they are based. To enhance this role, both federal and provincial governments have made new research funds available for projects conceived jointly by universities and the private sector. These government initiatives coincide with the mission statement of Lakehead University's 1987 Academic Plan. The Plan continues the process of focussing programs and faculty research activities in ways which will reaffirm our stated goal of being not only a university in the north, but a university for the north. To further identify research needs, to locate the expertise and to finance the projects will requite close working relationships between the University, industries, and government agencies.

It would seem that the potential benefits of getting to know each other better have never been as great. It is hoped that the information provided in this booklet will contribute toward this end.

The Directory is arranged by academic department to allow access to the familiar, broad discipline areas. An alphabetical listing of individual faculty members is also provided at the back. It was not possible to obtain replies

from all faculty (N.R.), but the few gaps in information will be filled in future editions.

You may wish to contact faculty members directly by having calls forwarded by the University switchboard (343-8110). You are also invited to make general enquiries through the Community Relations Department, Office of Information Services (343-8300) or the Office of Graduate Studies and Research (343-8785). The Research Grants and Contracts Officer can be reached at 343-8223.

We look forward to increased University-Community interaction and to working toward a better understanding of issues important to the future of northwestern Ontario.

MURRAY W. LANKESTER

Dr. R. G. Rosehart
President

Professor G.R. Weller
Vice-President, Academic

Dr. J.H.M. Whitfield
Dean, Faculty of Arts & Science

Dr. D. Common
Dean, Faculty of Professional Studies

Dr. M.W. Lankester
Director
Graduate Studies & Research
To: June 30, 1989

Mr. J. Russell
Director
Community Relations Department
Office of Information Services

Dr. C.H. Nelson
Director
Graduate Studies & Research
From: July 1, 1989

Ms. S.L. Cole
Co-ordinator
Distance Education

Mr. D.R. Pakulak
Director
Continuing Education

ANTHROPOLOGY

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Dawson Prof. K.	Archaeology (human prehistory) of the boreal forest region.	Professor Emeritus.
Driben Dr. P.	All matters pertaining to the aboriginal peoples of Canada.	Native Canadian Studies; Introductory Anthropology.
Greenwood Prof M.	Analysis of cultural materials and patterns of social behavior.	Educational Anthropology; Culture and Personality; Cultural Anthropology; Ethnology.
Hamilton Prof. S.	Historical archaeology; prehistory of boreal forest, parklands and plains; ethnohistory and the fur trade; environmental archaeology and zooarchaeology; geophysical remote sensing in archaeology.	North American Prehistory; Historical Archaeology; Upper Great Lakes and Prehistory Anthropological Theory; Advanced Archaeology.
Molto Dr. J.	Skeletal morphology and palaeo-epidemiology; consulting in human biology including human sexuality, osteological field work (Egypt, Mexico, S. Ontario) and stress management.	Anthropology of Sex; Biological Anthropology; Biomedical Anthropology.
Stewart Dr. J.	Prehistoric archaeology - most recent field work in New Mexico and Northern Ontario, focusing on ancient subsistence patterns and technologies.	Introductory Anthropology and Archaeobiology; Advanced Archaeology; Prehistory of Mesoamerica and the Southwest.

RESEARCH INTERESTS	SUBJECTS TAUGHT
Aspects of air pollution and vegetation relationships (especially acid rain). Smaller studies involve Calluna vulgaris, epiphytes of Populus balsamifera, vegetation of Mt. Good, the biology of orchids.	Plant Ecology; Introductory Ecology; Microclimatology; Plants in Relation to Man; Bryophytes and Lichens.
Systematics and biology of ground beetles and tiger beetles; biology of terrestrial arthropods.	Principles of Taxonomy; Biogeography; Invertebrate Zoology; General Entomology.
Flora of Thunder Bay District, with special attention to the botany of the North Shore of Lake Superior. Flora of Canada. Flora of North America. World Flora, as acquired through exchange.	Professor Emeritus
Population genetics of northern forest tree species using isozyme techniques.	Plant Biology, Genetics; Forest Ecology; Forest Genetics; Ecological Genetics.
Parasites causing disease in fish and big game mammals, including studies of salmon, trout, moose and caribou.	Invertebrate Zoology; Wildlife and Medical Parasitology; Mammalogy; Ecology.
Ecology and agrology of wild rice; extensive experience in the wild rice industry; management and co-ordination of wild rice developments with the native community.	Marsh Ecology; Statistical Methods in Ecology.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Macdonald Dr. A.	Development of vegetative and reproductive structures in trees and shrubs.	Introductory Biology; Forest Biology; Tree Development and Function; Plant Morphology; Plant Anatomy; Developmental Biology (of plants); Microtechnique; Tree Morphogenesis.
Malek Dr. L.	Molecular biology and biochemistry of protein synthesis and degradation (gene expression) in plant chloroplasts, photosynthetic bacteria and seeds. Tree seedling nutrition, chloroplast physiology and stress tolerance.	Plant Physiology; Biochemistry; Cell and Molecular Biology; Mycology.
Momot Dr. W.	Research centres on the production, management, and population dynamics and zoogeography of freshwater organisms, especially fish and crayfish in boreal lakes.	Biology of Fishes; Fisheries Biology; Population Dynamics; Aquaculture.
Ozburn Dr. G.	Aquatic toxicity of organic compounds utilizing warm and cold water fish as test organisms. Bioassay techniques applicable to testing liquid industrial effluents for toxicity.	Animal Biology; Human Anatomy; Genetics.
Ryder Dr. J.	Behaviour and ecology of colonial nesting birds.	Introductory Biology; Comparative Vertebrate Anatomy; Ornithology.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
er . D.	General management and marketing expertise in native and eskimo economic development in the tourism area, involving research (as a basis for feasibility studies), management selection and training, marketing and financial planning and project implementation.	Marketing Management; Advertising Management; Industrial Marketing; Sales Management; Marketing for Public and Non-Profit Organizations.
ld R.	Strategic management; business-government relations; marketing.	Marketing; Strategic Management.
. R.	Design, develop, and conduct seminars for managers in the field of leadership, motivation, group dynamics and change; consulting for businesses, municipal and provincial agencies and institutions in the fields of human resource management and training and development.	Organizational Behaviour; Organizational Change; Training and Development.
W.	Hospital administration, especially computer systems; the education of hospital administrators; materials management, including purchasing and inventory management; administrative policy (a book completed).	Administrative Policy; Management Science; Materials Management.
ar B.	Implication of free trade on Canada, specifically on northwestern Ontario; tourism in northwestern Ontario; consumer behaviour, demand estimation; applied econometrics.	Quantitative Methods; Canadian Economic Problems; Decision-making.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Elmslie Prof. H.	Accounting information systems; behavioural effects of accounting.	Introductory Financial Accounting; Introductory Management Accounting; Advanced Management Accounting; Accounting Theory.
Fine Prof. M.	Education and training in microcomputer and mainframe computer usage in business; application of microcomputing in small business, accounting and finance.	Management Information Systems (Decision Support Area); Analysis and Design of Information Systems; Business Microcomputer-based and Mainframe-based Languages.
Handford, Prof. B.	Develop and conduct management seminars in leadership, communication, recruitment, performance appraisal and management skills. Consult in all aspects of the management of human resources, particularly in health care institutions and agencies. Current interests include office automation, managing creativity, and wage and salary administration.	General Management; Organizational Behaviour; Organizational Structure and Design; Personnel Management; Compensation Management; Communications for Managers.
Hanley Prof. W.	Consultation on general management, organization, business strategy, and management training systems.	Administrative Policy; Introductory Management.
Hartviksen Prof. K.	Venture capital, regional economic development, reserve-based economic development, tourism behaviour, economic impact of tourism activities, small business management, owner/manager development, historic-site tourism development.	Corporate Finance; Investment Finance; General Management; Small Business; Personal Financial Planning.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
A.	Financial feasibility and business analysis; design and conduct seminars in IFPS (Execucom's Interactive Financial Planning and Analysis for both mainframe and personal computer applications); design and conduct seminars at all levels for WordPerfect and Lotus 1-2-3.	Intermediate Accounting; Investment Management; Introductory and Advanced Corporate Financial Management; Microcomputer Applications.
W.	Regional development, entrepreneurial studies, management planning and control systems, computer information systems analysis, feasibility and planning, small business development, tourism and planning.	Management Information Systems; Business Management and Theory; Computer Systems Analysis and Design Computer Programming.
R.	Current interests relate to tourist behaviour and small business management.	Introductory Management; Introductory Marketing Management; Retailing.
S.	Human resource planning, management. Formulation and implementation of employment equity strategies, work place harassment, multi-cultural and race relations policies and programs. Program monitoring and evaluation.	Research Design I & II; Introduction to Marketing; Human Resource Administration I & II.
R.A.	Productivity in the workplace; Japanese approach to productivity in manufacturing; material management; work standards and methods analysis.	Production/Operations Management.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Phillips Prof. G.	Labour relations, applied economics.	Labour Relations; Canadian Economic Problems; Quantitative Methods for Management.
Sacchetti Prof. G.	Development of professional accountants, preparation of financial and managerial accounting cases and advising high school students in the ICAO Business Game.	Introductory Accounting; Advanced Accounting; Management Accounting.
Thatcher Prof. J.	Communication of financial accounting and auditing information, especially the perceptions of the users of the information; use of computer systems in capture, analysis, reporting and use of accounting and auditing information; education and training of professional accountants.	Introductory Financial Accounting; Advanced Financial Accounting; Auditing.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
ers V.	Environmental chemistry of pesticides, with emphasis on microbial degradation. Director, Resource Centre for Occupational Health and Safety. Industrial health and safety surveys, indoor air quality, air sampling and analysis.	Organic Chemistry; Occupational Health and Safety.
D.	Co-ordination chemistry. Reactions of hydroborates with transition metal phosphine/systems.	Inorganic Chemistry; Analytical Chemistry;
s I.	Inorganic Chemistry. Surface Chemistry	Inorganic Chemistry; General Chemistry.
A.	Synthetic and reactivity studies in phosphorus heterocyclic chemistry, properties of molecules containing non-equivalent phosphorus atoms, the co-ordination chemistry of phosphines, interactions of transition metal ions with hydroborate reducing agents, and some aspects of homogeneous and heterogeneous catalysis.	Introductory General Chemistry; Organic Chemistry; Instrumental Analytical Chemistry; Graduate level Organophosphorus Chemistry.
S. D.	Silicate and aluminosilicate chemistry. Speciation, exchange dynamics and transport of metal in aqueous solution. Nuclear magnetic resonance relaxation processes.	Physical Chemistry; Energy and Fuel Science.
G.	Science education in general and chemistry education in particular.	Laboratory instructor in General, Organic, Inorganic and Materials Science chemistry laboratories.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Orr Dr. D.	Toxicity studies of organochlorine compounds; synthesis of organic compounds.	Introductory Chemistry; Organic Chemistry; Introductory Biochemistry; Bio-organic Chemistry; Organic Reaction Mechanisms; Organic Synthesis and Stereochemistry.
Rappon Dr. M.	The effect of electric field on the optical properties and densities of liquids; light-induced chemical reactions of dye molecules; viscosity of liquids at low temperatures.	Physical Chemistry; Polymer Chemistry; Molecular Spectroscopy; Colloid and Surface Chemistry.
Weir Dr. N.	Polymer Science - Physical properties of polymers and the interactions of molecules with free radicals - polymer photochemistry.	Physical Chemistry; Polymer Science; Material Science.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
F.	Natural resources economics; regional economics.	Natural Resources, Regional; International Trade; Microeconomics; Principles of Economics.
N.	Transport; industry studies; industrial organization.	Principles of Economics; Transport; Public Finance; Industrial Organization /Business & Government
	Theoretical and empirical research in macroeconomics and development economics; Canadian macroeconomic problems; economic performance of Asian economies; research methodology; economic research; economic survey work for the United Nations.	Principles of Economics; Advanced Macroeconomics; Public Policy; Economic Development; Economic Growth.
T.	Theory and experience of co-operatives (agricultural, urban and financial) in the context of the development and role of organizations in the economy, and related public policy issues.	Principles of Economics; History of Economic Thought; Economic History; Comparative Economic Systems; Labour Economics; Industrial Organizations; Human Resources Economics; Economic Development; Micro-economics.
l, . B.	Transport economics; applied microeconomics; industrial organization; comparative systems.	Principles of Economics; Microeconomics; Basic Economics - Theory; Comparative Economic Systems; Undergraduate and Graduate Transport Economics.
	Mathematical economics, econometrics, operations research application, programming and planning, management science.	Math Economics; Dynamics; Econometrics; Planning; Mathematical Programming; Economic Growth; Economic Theory.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Moazzami, Dr. B.	Econometrics; macroeconomics.	Econometrics; Statistics; Macroeconomics.
Rahman Prof. H.	Economic development; macroeconomic policy; international finance.	Principles of Economics; Labour Economics; Undergraduate and Graduate Mathematical Economics; Money & Banking; International Finance.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
		Educational Administration.
J.	Management of wildlands; teaching inquiry skills; curriculum development; school program delivery; native education.	Elementary Science Education; Secondary Science Education; Environmental Studies Education; School Program Administration and Curriculum Development; Outdoor Interpretation.
M.	Initial and continuing French teacher training; application of pragmatics and semiotics to language learning and acquisition.	Curriculum and Instruction in French; French Grammar; Language Arts.
	Cognitive development in childhood; cultural influences on ability and achievement; integration of exceptional children; a professional interest in the ethics of research with animals in psychology.	Educational Psychology; Child Development; Special Education.
	Nature of teaching; power and authority in organizations; curriculum and organizational improvement; organizational governance.	Curriculum Studies; Teaching; Educational Administration.
d	Research in the processes of change and implementation; development of a textbook for writing in French immersion classes; workshops/consulting in curriculum development, language arts, writing, and primary education.	Language Arts; Reading; Naturalistic Research; Curriculum Implementation; Primary Education.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Haines Dr. J.	Applied educational research related to the classroom and teachers; dynamics of family and school; interpersonal relationships.	Educational Psychology.
Irwin Prof. R.	Practical knowledge of educators; educational change; art education curriculum issues; qualitative research methodology.	Art Education; Curriculum Studies; Qualitative Research.
Kelleher Dr. J.	Developing software; computer networking; student evaluation; statistical analysis; computer assisted instruction; computer testing and scoring.	Methods of Research in Education; Computers in the Classroom; Evaluation.
Klassen Dr. D.	Effective leadership and communication skills in work, home, school, business; behaviour management for leaders, parents, teachers.	Interpersonal Communication; Teacher Behaviour; Educational Psychology; Adolescent Psychology; Psychology of Religion; Supervisory Relations.
Korteweg Dr. L.	Teacher education and development; field placements in the helping professions.	Education Law; Politics of Education; Foundations of Curriculum; Program Administration.
Linklater Mr. H.	All aspects of education, especially with regard to Native people (basic methodology, curriculum, evaluation, implementation).	Educational Evaluation; Curriculum Development; Native Studies.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
a . W.	N. R.	
R.	Curriculum development, implementation and evaluation, with an emphasis on language and reading; program administration and related issues; development of comprehension strategies, with an emphasis on inference generation; teacher undergraduate and graduate education; distance education.	Language Arts; Language and Learning; Curriculum Foundations and Implementation; Reading in the School Curriculum; Organization and Supervision of School Reading Program; Research Methods in Education.
. J.	Algonquin languages, especially Ojibwe, Delaware and Cree. Word formation phonoloyg. Historical-Comparative Linguistics. Native language maintenance.	Written and Oral Algonquin Structure; Algonquin Linguistics.
. D.	Multicultural and human rights education.	Teaching History and Related Curricula; Philosophy of Education.
J.	N. R.	
ord . P.	N. R.	
son . G.	N. R.	

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Sweet Dr. R.	Distance education. Social psychology of computer conferencing. Policy issues in post-secondary education.	Education Psychology.
Thom Dr. D.	All aspects of educational management; organization development.	Ontario Education; Educational Administrative Theory.
Toye-Welsh Ms. B.	Assessment consultation and orientation for E.S.L. Collaborative learning strategies in second language program. Curriculum development, especially in E.S.L. and native as a second language. Distance education. Implementation of second language program.	Ojibwe; Native American Linguistics.
Vervoort Dr. G.	Applying educational research to classroom practices and using it as a base for designing mathematics learning materials, K-13, including textbooks, hands-on models, and special materials for gifted and handicapped children.	Curriculum Instruction in Mathematics for: Primary Grades, Junior Grades, Intermediate Grades and Senior Grades.
Wawia Mrs. D.	All aspects of Native Education; Native issues - past and present, especially "Learning Styles of Native Children" and "How to teach Native Studies in the classroom"; teaching English as a second language.	Teaching English as a Second Language; Contemporary Issues in Native Education; Teacher of Native Children; Introduction to Education.
Welsh Prof. R.	The school library; education for librarianship; the writing process; change; primary education.	School Librarianship; Primary Education; Curriculum Development Evaluation.

ENGINEERING

	RESEARCH INTERESTS	SUBJECTS TAUGHT
	N. R.	
J.	Author of Electronics and Electronic Communications textbooks for technology courses; consultation in augmentative and adaptive communication aids (computer based) for handicapped children; development of computer interface circuitry.	Electronic Circuits; Computer Circuits; Electronic Communications; Computer Aided Design.
.	Computer modelling of chemical processes; combustion processes and heat transfer; air pollution; ventilation; properties of mixtures; pyrolysis.	Air Pollution; Material and Energy Balances; Thermodynamics; Chemical Process Industries, General Chemistry.
.	Traffic management in downtown and residential areas, freeway corridors, and port terminals.	Traffic Engineering; Transportation Systems; Construction Materials; Highway Design; Project and Pavement Management.
d .	Behaviour of natural soils such as soft and stiff clays and shales; soil-structure interaction along piers, retaining walls, tunnels, culverts and geotextiles. Soil creep related to pore pressure changes in freezing and thawing soils.	Soil Mechanics; Foundation Engineering; Construction Engineering.
..	Biomedical engineering, with particular interest in artificial organ design (artificial kidney and lung).	Mass Transfer Separation; Chemical Reaction Engineering; Unit Operations; Engineering Mathematics; Optimization of Chemical Systems.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Gilbert Dr. F.	Computer control and sensor development for pulp and paper industry; microwave assisted debarking; kraft and sulphite pulping and bleaching.	Industrial Chemistry and Process Design; Process Control; Pulp and Paper Processing Technology.
Gillies Dr. A.	Current research is in the area of earthquake engineering and structural dynamics; elastic/inelastic response prediction of structures when subjected to earthquake ground motion; computer based modeling using shake-table tests and actual earthquake data; Mine hoist vibration study.	Construction Engineering; Steel Design; Timber Engineering; Reinforced Concrete Design; Surveying; Strength of Material; Structures.
Johnson Dr. C.	Analytical and experimental studies of structural behavior; consulting experience and research related to investigations of structural failures and distress.	Structural Analysis; Computer Methods of Structural Analysis; Finite Element Methods; Structural Design in Reinforced and Pre-stressed Concrete and Steel Structures.
Khan Dr. M.	Communication systems, coding, multiple access, remote sensing.	Coding; Electronics; Filter Theory; Communication Systems.
Kiszka Dr. J.	N. R.	
Li Dr. P.M.	Aerodynamic structure of swirl flow using momentum and finite difference analyses.	Mechanics and Machine Design.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
.G.	Soil mechanics and foundation engineering; properties of soft local soils such as silt, clay and peat; geofabrics and light weight fills.	Soil Mechanics and Foundation Engineering; Surveying; Construction Materials.
:.	Optimum economic operation of large scale power systems. Power systems state and parameter estimation. Power system harmonies and variable speed drives.	Power System Analysis and Design; Electric Machines; Electric Power Systems; Electrical Control Devices; Electrical Technology Applications.
:.A.	Structural safety and limit states analysis; code calibration and development; behavior and design of reinforced and prestressed concrete structures.	Behavior and Design of Reinforced Concrete; Pre-stressed Concrete and Structural Steel; Mechanics of Solids; Theory of Structures; Plastic and Limit Analysis.
G.	N. R.	
ın (.	Discrete time periodic and adaphire control system with applications to process control and electro-mechanical energy conversion systems. Design of processors in VLSI for control systems.	Instrumentation; Circuit Theory; Control Engineering; VLSI Design.
[.	Development of hydrometallurgical processes for uranium milling and tailings treatment to obtain environmentally safer mill wastes; solvent extraction; electrolysis.	Chemical Engineering Thermodynamics; Unit Operations; Electrochemical Engineering.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
North Prof. H.	Development of low frequency cavitation processing for the pulp and paper industry; ultra-fine resonance grinding equipment for the mining and food industry.	Thermodynamics; Heat Transfer; Fluid Mechanics; Fluid Power Hydraulic Systems.
Oosterveld Dr. M.	Electrical power generation for remote sites from water resources or from local fuel sources such as wood or peat.	Hydrology; Water Resources Engineering with Application in Small Hydro; Water Supply and Waste Disposal; Open Channel Hydraulics.
Pantic Dr. B.	Power electronics applications to the control of electro-mechanical systems in general.	Power Electrical Engineering; Power Electronics; Electrical Machinery; Power System Analysis.
Panu Dr. U.	Stochastic characterization of streamflows for synthesis and forecasting; extreme value analysis for flood and drought predictions; winter ice regimes and their impact on winter flooding conditions; hydrophysical properties of peatland and their development as a source of inexpensive energy; modelling of rainfall-runoff processes; reservoir sizing and optimization, hydrograph analysis; flood forecasting and research in general hydrologic processes.	Water Resources Engineering; Hydrology; Hydraulics; Irrigation; Drainage.
Patterson Dr. M.	N. R.	

	RESEARCH INTERESTS	SUBJECTS TAUGHT
unta R.	Chemical process development and plant design; trouble-shooting in CANDU nuclear power plants; development of organic coolant for CANDU reactors; development of advanced fuel cycles for CANDU reactors; analysis of energy consumption patterns in Canada; utilization of large scale industrial thermal effluents; development of physical and engineering charactertistics of Canadian oil sands and bitumen; special interest in prediction of viscosity; process development in relation to the recovery of oil sand bitumen.	Chemical Plant Design and Economics; Chemical Engineering Thermodynamics; Theory of Mass Transfer; Oil Sands Technology and Economics; Heat Transfer; Canadian Energy Technologies.
f. D.	Microelectronics; electronics; radio and line transmission; microwave technology; electronic communications; satellite communications; sub-surface radar; program development in technology. Technical development programs overseas (CIDA; UN).	Communications (Electronic); Electronics; Electrical Engineering & Technology; Microwaves.
rt R.	Environmental wastewater treatment; heat transfer; energy and environmental policy; regional development; post-secondary education.	Environmental Control.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Saliba Dr. H.	Free vibration analysis of thin plates of rectangular, triangular and polygonal shapes, with emphasis on trapezoidal and parallelogram plates.	Machine Design; Engineering Mechanics; Mechanical Vibrations; Advanced Dynamic System Analysis.
Sedov Dr. A.	General area of non-destructive evaluation; in particular, the application of ultrasonics in the detection and characterization of surface and sub-surface flaws in elastic materials. Ultrasonic transducer and flaw modelling for NDE applications.	Dynamics and Vibration of Machines; Mechanics of Solids.
Singh Dr. B.	Computer-aided engineering; thermal oil recovery processors; heat transfer during phase change.	Manufacturing Processor and Production Systems; Heat Transfer; Introduction to Robotics; Mechanics of Materials; Dynamics of Machines.
Tsang Dr. S.	Unsteady flow of fluids in pipe networks; process control lines and the cardiovascular system, solar engineering and fuel-efficient vehicles.	Heat Transfer; Dynamic Systems and Measurements; Heat Exchanger Design; Engineering Thermodynamics.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
D.	Nineteenth Century Canadian poetry; Modern Canadian poetry; Canadian fiction.	Major British Writers; Survey of Canadian Literature; Modern and Contemporary Canadian Poetry; Canadian Fiction.
.	The Commonwealth novel, with emphasis on Caribbean novelist Wilson Harris and Australian novelist Patrick White. Teaching, learning, researching in Higher Education.	Modern Novel (British, American, Commonwealth); Seventeenth Century Prose & Poetry; Romantic Movement in English literature; Images of Women in Literature; (British, American, Canadian) Black Literature (Africa, America, Caribbean); English for Non-Humanities Majors.
J.	Eighteenth century concept(s) of the imagination, with particular reference to Samuel Johnson.	Literary Criticism: Pre-Socratics to 20th Century Restoration and 18th Century Old and Middle English Literature; Language: Etymology, Morphology,etc. Illuminated manuscripts.
I.	Shakespeare, children's literature, and western Canadian novelists.	Children's Literature; Practical Criticism; Shakespeare; Bibliography; Technical Writing.
N.	Nineteenth century New England literature and intellectual history; Writers of the American Renaissance.	American Literature and Major British Writers; American Poetry; American Fiction; American Literary History.
P.M.	Modern British and American fiction; modernism and postmodernism; narrative theory.	Modern British Literature; Victorian Literature; Major British Writers; Composition for Non-Humanities Majors.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Liman Dr. C.	Modern American poetry; the American Renaissance period (1830-1860); the American novel; writing own poetry.	American Literature (poetry/prose); Creative Writing.
MacGillivray Dr. R.	Late Victorian British novel; 19th Century Canadian literature in English.	Victorian Period; Canadian Literature; English Novel.
Merrill Dr. G.	Early English printed books; printing and printers; booksellers and dedications; Elizabethan cultural history; Shakespeare; Elizabethan and Jacobean literature; American cultural history.	History of English Literature; Shakespeare; Advanced Shakespeare; Elizabethan and Jacobean Drama; American Literature.
Parsons Prof. D.	Role of communication in business and industry; resume writing and interviewing techniques related to business and industry; communication skills.	Technical and Business Communications.
Richardson Dr. J.	The uses Renaissance writers made of pseudo-scientific materials such as astrology and numerology.	Renaissance Literature; Technical Writing.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
n of. C.	Consulting work in the area of timber supply and use of microcomputers.	Forest Resources Management.
. K.	Biometrics and biological systems analysis and modelling.	Forest Mensuration; Research Methods.
an . W.	Forest soils; site classification of forest land for tree growth; international forestry consulting in silviculture, forest soils, and site quality evaluation.	Forest Soils; Forest Soils and Tree Growth.
a of. R.	Regeneration establishment (FOAFC site preparation), initial growth and survival. Consulting in the area of harvest planning and establishment of a new crop.	Silviculture; Silvicultural Planning; Implementation and Control; Mechanization in Silviculture.
ng . H.	Wildlife research and management, especially cervid behaviour and habitat management.	Fish and Wildlife Management; Fish and Wildlife Conservation; Wildlife - Forest Relationships.
of. E.	Research and development of forestry equipment (wood energy projects)	Forest Harvesting; Forest Mechanization; Ergonomics (man-machine-environment relationships).
of. R.	Research and consulting in silviculture, including container and bareroot nursery practice; natural regeneration and outplanting, weeding and the use of herbicides; planning forest cropping systems.	Silviculture.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Duinker Dr. P.	Forest policy, approaches to policy analysis, sustainable development, environmental impact assessment, forestry-wildlife relationships, forests and climate change, forest decline, decision support systems for forest management.	Forest Policy.
Farmer, Jr. Dr. R.	Genetics and physiology of forest plants.	Silvics; Forest Community Ecology.
Hazenberg Dr. G.	Univariate and multivariate data analysis in the forestry/biology area.	Forest Biometrics; Applied Univariate Data Analysis; Applied Multivariate Data Analysis; Forest Economics.
Kayll Dr. A.	Ecological effects of forest fires and forest fire management; forest management and policy development.	Forest Fire Control; Management and Ecology.
Knowles Dr. P.	Population genetic structure of northern forest species using isozyme techniques.	Introductory Biology; Forest Ecology; Forest Genetics; Ecological Genetics.
Murchison Dr. H.	Forest sampling and inventory; applied statistical analysis in forestry; forest management; forest land planning; applied forest economic analysis.	Forest Mensuration and Inventory; Forest Biometrics.
Naysmith, Dr. J. K.	Research and consulting in natural resources management and policy.	Forest Resources Management; International Resource Conservation.
Parker Dr. W.	Research in evolution and hybridization of North American conifers; selection of superior trees for reforestation.	Dendrology; Forest Genetics; Plant Taxonomy.

	RESEARCH INTERESTS	SUBJECTS TAUGHT
Y.	Managing cone and seed insect populations. Nutritional ecology of coniferophagous Lepidoptera.	Forest Entomology (Diploma, Undergraduate and Graduate); Environmental Impact of Forestry.
R.	Operations planning; decision support systems and export systems in forest operations planning; techniques in forest harvesting;forest harvesting and transportation systems.	Forest Harvesting; Transportation Systems and Logistics; Industrial Production Management.
son . D.	Consulting interest in forest inventory systems & analysis; forest harvesting; forest surveying - road location; forest stand modelling.	Forest Mensuration; Stand Dynamics; Introduction to Forestry; Forest Survey Systems.
E.	Consulting research and literature reviews in forest pathology, with an emphasis on wood deterioration, heart-rot decays; fungal identification; forest biotechnology as it pertains to biopulping; wood waste utilization; mycorrhizal applications; biocontrol mechanisms and screening trees for resistance to pathogens.	Forest Pathology; Wood Microbiology.
J.	Economic analysis and geographic information systems (G.I.S.) as applied to forest management problems.	Forest Management; Photogrammetry and Aerial Photo Interpretation.
ek . H.	Applications of geographic information systems in forest management.	Photogrammetry; Remote Sensing; Photo-interpretation.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Yang Prof. K.	Wood scientist; research and consulting in all fields related to wood; specializing in wood anatomy; identification and ultrastructure of wood; forest products; waferboard manufacturing; lumber drying, solar kiln, tree improvement; wood property for a plus-tree selection.	Wood Technology; Forest Product Utilization; Wood Anatomy; Microtechnique and Ultrastructure of Wood.
Zingel Dr. S.	Landscape ecology with emphasis on soilscapes, including terrestrial, semi-terrestrial and sub-hydric; soil-life-yield relationships.	Soil Science; Forest Soils.

GEOGRAPHY

	RESEARCH INTERESTS	SUBJECTS TAUGHT
. R.	Tourism and tourist behaviour; rural planning and development; agricultural development; historical and cultural geography.	Cultural Geography; Geography of the United States; Urban Systems; Recreation Geography; Behavioural Geography.
).	Climatic change; historical climatology; impact of weather and climate on society.	Geography of Energy; Environmental Climatology; Climatic Change; Local and Microclimatology.
3.	Thunder Bay's retail shopping system, with special interest in core area revitalization and consumer spatial behaviour.	Economic Geography; Urban and Regional Development; Marketing Geography; Quantitative Methods in Geography.
3.	Geomorphology, notably aspects of glacial and coastal history of the Lake Superior region, including the archaeological implications, present day coastal processes, and erosion studies; census data mapping and applications of digital geographic information systems.	Introductory Physical Geography; Geomorphology; Glacial and Coastal Geomorphology; Natural Resource Geography; Topographic Mapping and Photo Interpretation; Thematic and Quantitative Mapping.
:.	Environmental geomorphology; morphologic instability of man-made channels; flood plain management; shoreline management.	Environmental Geomorphology; Fluvial Geomorphology; Climatology; Forest Climatology; Physical Geography; Geography of Canada.

GEOLOGY

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Borradaile Dr. G.	Structural geology; rock mechanics; deformation of materials; archean geology; rock magnetism; strain analysis.	Structural Geology; Strain Analysis; Metamorphic Geology; Map Interpretation; Basic Geology.
Fralick Dr. P.	Research on the genesis of banded iron formations and depositional systems operating in archean basins.	Sedimentology; Stratigraphy.
Kehlenbeck Dr. M.	Field oriented structural studies in northwestern Ontario.	Structural Geology; Structural Analysis; Tectonics; Field Geology.
Kissin Dr. S.	Genesis of ore deposits; meteoritics; mineralogy; regional geology of northwestern Ontario.	Mineral Deposits; Ore Petrology; Advanced Mineralogy; Geochemistry of Ore Deposits; Mineral Equilibria.
Kronberg Dr. B.	Earth resources and geochemical cycles; global and regional weathering dynamics (Amazon, northern ecosystems); soil geochemistry and agroforestry resources; geochemical problems related to nuclear and fossil fuel energy cycles.	Inorganic Chemistry; Physical Chemistry; Geochemistry; Comparative Planetology; Earth Resources; Planet Earth; Weathering Dynamics and Applications to Agriculture; Environmental Geology.
Mitchell Dr. R.	Petrology-kimberlites; alkaline rocks; volcanology; isotope geochemistry; neutron activation analysis; mineralogy.	Mineralogy; Petrology; Geochemistry.
Platt Dr. R.	Geochemical, mineralogical and petrogenetic studies of alkaline volcanic and plutonic rocks from North America and Africa.	Igneous Petrology; Mineralogy; Optical Mineralogy.

HISTORY

	RESEARCH INTERESTS	SUBJECTS TAUGHT
M.	History of Sino-western contacts, 1500 to the present. Canadian-Chinese Relations.	Modern China; History of China and Japan; European and World History.
A.	Canadian industrial development and organization; Canadian economic policy; progressive politics.	Canadian History; European History.
P.	History of "Old" Fort William; historic preservation movement and its relationship to tourism and popular culture in Canada, U.S. and Britain.	Canadian History; British History.
;ad B.	Canadian post-war trade policy; Anglo-Canadian and Canadian-European trade; Canadian-American trade. Aboriginal peoples' history, especially Treaty 3 areas.	Canadian History; Canadian-American Relations; Ontario History.
of. V.	Forest history; business history; environmental history; and the interactions between and among these.	American History; British History; European and World History.
:mann E.	Russian monarchist movement; Early German Nazi movement; The SS-Divison "Galicia"; German & Russian conservatism. POW history; local history.	Russian History; German History; Historiography; Medieval History; European History.

LANGUAGES

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Cloutier Mr. A.	Practical knowledge of French and English as applicable to various contexts: academic, social, political, etc; translation and interpretation from English to French; affairs related to the Franco-Ontarian community; language rights; Quebec culture and literary production; folklore, the language issue; interactions within the Canadian context; application of the IBM PC to work in French.	Quebec Culture; Poetry; Novel and Drama; French Novel; French as a Second Language.
Dolphin Prof. E.	Computer in foreign language teaching and research; translation from French to Spanish to English, the articles of Mariano Jose de Larra, Spanish satirist of the early nineteenth century; contemporary French society; contemporary Spanish Society.	French Language; Spanish Language; Spanish and Latin American Civilization; Spanish and Latin American Literature.
Mamoojee Dr. A.	Late Roman Republic history, social life and literature, with special interest in the life and works of Cicero.	Greek and Roman History; Civilization & Mythology; Classical Greek and Latin Languages and Literature.
Nabarra Prof. A.	Journals and journalism in the XVIIIth century (French language); XVIIIth and XIXth century French novel; Francophones in northwestern Ontario.	French Language and Literature.

LANGUAGES

	RESEARCH INTERESTS	SUBJECTS TAUGHT
ger .	Second-language learning and instruction; translation and interpretation; French-Canadian literature and culture (XIXth century); Gabrielle Roy and Michel Bibaud; renaissance literature (Montagne, Rabelais, Ronsard); educational administration and humanistic psychology.	French Language; Advanced Oral French; Modern French Usage and Translation; French Novel.

LIBRARY AND INFORMATION STUDIES

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Maclean Prof. M	Education (Continuing, Distance) of librarians, library technicians, teacher-librarians.	Information Resources; Online Searching; Government Documents; Introduction to Libraries; Practice Work/Field Placement; Current Issues in Librarianship; Circulation Systems.

E	RESEARCH INTERESTS	SUBJECTS TAUGHT
ire)r. F.	Combinatorics; graph theory.	Programming in Fortran & COBOL; File Structures; Data Bases; Digital Logic Networks.
way)r. W.	Classical analysis (solution of ordinary and partial differential equations; special functions and orthogonal polynomials);combinatorics (application of special function theory to combinatoric problems, umbral method); probability and statistics. Actuarial Mathematics.	Mathematics; Applied Analysis; Probability and Statistics for Engineers; Probability and Statistics; Life Contingencies; Risk Theory; Mathematics of Demography; Mortality Table Construction.
on)r. M.	Parallel computing applied to the solution of large sparse linear systems arising from partial differential equations and function approximation problems.	Numerical Analysis; Computer Programming Languages; Data Structures.
k 'rof. L.	Microcomputer applications teaching aids.	Elementary and Secondary Computing Courses; Professional Service and Continuing Education; Engineering FORTRAN; Microcomputer Applications.
)r. A.	Algebra; lattice theory.	Mathematics (not Statistics or Computer Science).
s 'r. W.	Measure theory; duality.	Calculus; Algebra; (especially as applied to the life sciences).

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Green Prof. E.	General statistical methodology and analysis; analysis of variance and multivariate analysis.	Statistics; Probability and Stochastic Process; Programming Languages (FORTRAN, Pascal).
Griffith Dr. J.	Computers in astronomy; astronomy; differential equations; education; university governance and provincial/federal relations.	Numerical Analysis; Astronomy; Differential Equations; Computer Science.
Hasegawa Dr. M.	Analyzing the structure of words over an alphabet, storing words in an efficient way (such as compression), matching words (distance between words), and applying the study, e.g., to find suitable algorithms for searching "similar" words.	Machine and Assembly Language Programming; Computer Systems (organization and architecture); Programming Language and Implementation (making a compiler, translator, interpreter; models are Lisp and Prolog).
Kent Dr. C.	Mathematical logic, computability and computational complexity;theoretical computer science.	Introductory Computing; Calculus; Discrete Mathematics and Combinatorics; Algebra; Real and Complex Analysis; Engineering Mathematics; Mathematical Logic; Theory of Computing.
Mah Dr. P.	Functional analysis; application of convexity and geometry of Banach spaces to problems in abstract harmonic analysis; fixed point theory and best approximation.	Mathematics (not computer science courses).

MATHEMATICS

ME	RESEARCH INTERESTS	SUBJECTS TAUGHT
ppally Dr. S.	General topology; analysis, proximity, nearness, extensions of maps; semi-metric, developable spaces; noncontinuous functions, function spaces, uniformity, real compact, convergence.	Calculus; Advanced Calculus; Topology; Functional Analysis; Measure and Category; Real Analysis; Vector Analysis; Differential Equations; Partial Differential Equations; Proximity Spaces; Dynamics; Hydrodynamics; Differential Geometry.
inson Dr. J. M.	Graph theory; combinatorial algorithms; computer science education.	Programming (C, Pascal, FORTRAN); Data Structures; Graph Theory; Discrete Mathemantics; Algorithms; Operating Systems.
Dr. L.	Statistics and applications.	Statistics; Operations Research; Calculus.
rcort Dr. G.	Identifying different causes of difficulty in the learning of mathematics in the elementary and secondary school programs, and developing materials to improve the situation.	Mathematics Education; Measurement and Evaluation in Education; variety of lower level mathematics courses.
ifield Dr. J.	Renorming and geometry of Banach spaces; non-linear analysis on normed linear spaces; abstract convexity.	Complex Analysis; Advanced Calculus; Engineering Math.

MUSIC

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Carruthers Dr. G.	Nineteenth-century Bach interpretation; virtuoso arrangements; transcriptions and paraphrases; music of S.C. Eckhardt-Gramatte.	History of Western Music, Seminar in Musical Research;

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Boone Prof. M.	Hospitalization of children; native nursing education; native health care.	Theories and Concepts (through distance education); Trends and Issues in Health Care.
Diem Prof. E.	Primary health care, in particular, health promotion and risk-reduction in adolescent females.	Introduction to Nursing Research (4th year students); Physical and Psychosocial Assessment and Related Clinical Experience (for year II students).
Katt Prof. M.	Native education; competency-based education; primary health care.	Communication for Native Nursing Students; Professional Orientation for Native Nurses; Logical Reasoning/Theory Development.
Kirk-Gardner Prof. R.	Compliance with medical regimens; cardiac programs; patient education; social supports.	Illness; Cardiovascular Nursing.
Knutson Prof. G.	Transcultural health education; cultural sensitivity.	Health Promotion; Health Promotion Skills; Transcultural Health Care.
Loos Prof. C.	Perinatal nursing; AIDS; Alzheimer's disease.	Patho-physiological Concepts of Disease/Illness; Perinatal Clinical Applications.
Maddox Prof. K.	Community health/home care.	Introductory Nursing; Gerontology.
McKay Prof. L.	Health promotion in adolescents; needs of oncology patients (particularly children); the child and family facing death; growth and development issues; socialization of the child.	Pediatrics; Oncology; Pediatric Physical Assessment.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Morton Prof. M.	Community health; health promotion; breastfeeding.	Community Health Nursing.
Pallen Prof. D.	Enrolled at University of Manitoba in graduate studies (Nursing). C. Loos and D. Pallen are presently co-authoring an article on Absenteeism.	Health Restoration; Cultural Health Care; Health Promotion/Illness Prevention.
Poole Prof. K.	Currently enrolled in Master of Education (Curriculum Studies) at Lakehead University. Research interest in distance education for nurses.	Introduction to Nursing; Introductory Nursing Theory (to basic students on-campus, RN students, and distance education for RN students).
Proudfoot Prof. M.	Palliative care; oncology; asthma.	Advanced Nursing Practice I; Advanced Nursing Practice II.
Steven Dr. D.	Nursing administration; labour relations and nursing; job satisfaction/ dissatisfaction; staffing (all RN); gerontology; oncology needs; assessment of patients in northwestern Ontario; organizational structure and process; change; nurse/physician communications.	Leadership; Development of a Distance Education Program for Leadership.
Trevisan Prof. S.	N/R	Advanced Nursing Practice I & II.

ME	RESEARCH INTERESTS	SUBJECTS TAUGHT
ervall Dr. H.	Cottage development research; economic impact study of arenas.	Areas and facilities; Therapeutic Recreation; Skill application areas (e.g. canoeing, skiing, sailing).
ne, Dr. R. J.	Parks and protected areas management; interpretation; environmental ethics; natural resource policy.	Park Visitor Management and Planning; Wildlife-related Recreation Activity in Canada; Wilderness Policy in Canada; Integrated Resource Management.
inson, Prof. D.	Social psychology of sport; leisure and recreation; psychology of risk-sport; environmental impacts.	Research Statistics; Social Psychology of Leisure and Recreation; Recreation and Environmental Impacts; Rock-climbing; Ice-climbing; Mountaineering.
lins Dr. R.	The application of attitude theory and survey methods to resource management issues (eg. parks, fish and wildlife, forestry, etc.).	Park Planning and Management; Research Methods; Statistics; Outdoor Recreation Leadership.
thers Dr. J.	Development and operation of a variety of outdoor certification and adventure education/recreation programs and activities.	Outdoor Skills; Outdoor Leadership; Outdoor Program Development and Management Courses.
vens Prof. T.	N. R.	

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Thomson Dr. L.	Leadership literature reviews and empirical studies; principles and practices in recreation and organization; administration and management in recreation.	Leisure Concepts; Introduction to Recreation; Introduction to Outdoor Recreation; Leadership; Group Dynamics; Organization and Administration of Recreation; Campcraft Skills; Seamanship; Problems, Trends and Developments in Outdoor Recreation.

PHILOSOPHY

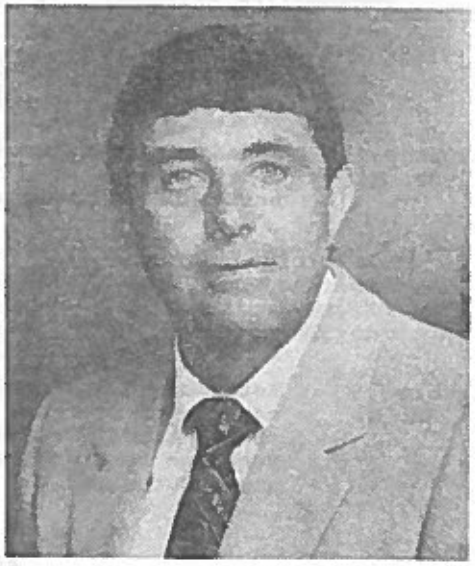
E	RESEARCH INTERESTS	SUBJECTS TAUGHT
r. R.	Aesthetics, applied ethics, and comparative philosophy of religion, including pornography and censorship, theory of art and literature, philosophy in literature; business and professional ethics, biomedical ethics, and engineering ethics; Christian fundamentalism, Indian and Chinese philosophies and religions, and religious cults which borrow from these sources.	Philosophy: Introduction to Philosophical Thought; Moral Issues and Moral Theories; Biomedical Ethics; Business and Professional Ethics; Eastern Philosophical Systems; Philosophy of Art; Engineering: Professional Practice and the Law (Ethics).
el r. D.	The philosophy of science and applied ethics; the application of sociobiology to the study of human behaviour.	Business and Professional Ethics; Philosophical Psychology; Philosophy of the Occult and Paranormal.
r. J.	displayanadian philosophy; General Editor, Frye Library of Canadian Philosophy; metaphysics; applied ethics; British empiricism and phenomenology;author of John Locke on Reflection: A Phenomenology Lost.	Canadian Philosophy; Idealism; Marxism; Existentialism and Modern Philosophy.
ey r. R.	Philosophy of mind or philosophical psychology, which consists of efforts to bridge the gap between conscious experience and the neuro-physiological view of the brain.	Symbolic Logic; Informal Logic; Moral Philosophy; Philosophical Psychology; Philosophy of Science.

PHYSICAL EDUCATION

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Bauer Dr. T.	Biomechanical sporting skill analysis; qualitative and quantitative athletic injuries and orthopedic biomechanics;fitness and lifestyle management; fitness and nutritional programs for community and elite individuals.	Biomechanics of Sports Performance; Health Education; Community Fitness; Stress Management; Lifestyle Coping; Practical Courses in Soccer, Rugby, Squash, Weight Training, Track and Field.
Bouffard Dr. M.	Meta-cognition and movement skill development of mentally handicapped people; measurement and evaluation in physical education.	Movement Skill Development; Motor Learning.
Crocker Dr. P.	Appraisal and coping processes in athletic stress, emotional control strategies, coaching behaviours, perceived competence/goal orientation.	Sport Psychology; Social Psychology of Sport; Applied Sport Psychology; Coaching Theory; Soccer Coaching.
Crossman Dr. J.	Sport sociology; psychological and sociological factors affecting athletic injury; coronary heart disease.	Sport Sociology; Sport Psychology; Research Methods; Swim Coaching.
Lappage Dr. R.	Canadian sport history, sport history in northwestern Ontario.	History and Canadian Studies of Sport and Physical Education;Comparative Physical Education and Sport; Practicals: judo, kayaking, canoeing, cross-country skiing.
Lavoie Dr. N.	Aerobic and anaerobic aspects of exercise and sport; transient oxygen response to exercise; athlete testing.	Exercise Physiology; Sports Medicine; Nutrition.

PHYSICAL EDUCATION

ME	RESEARCH INTERESTS	SUBJECTS TAUGHT
herson Dr. M.	Qualitative skill analysis; cinematography; computer assisted instruction.	Biomechanics; Microcomputing; Statistics; Fitness Activities;Skating and Cross-country skiing.
house Dr. I.	Exercise physiology; sports medicine; coaching science; iron deficiency.	Exercise Physiology; Sports Medicine; Running Skills; Track and Field.
g Dr. T.	Athlete tests and training programs; effects of exercise and electrical stimulation on metabolism; genetics and fitness and performance.	Exercise Physiology; Measurement and Evaluation of Physical Activity.
yer Prof. R.	Major research involves alternative contractile proteins with imposed stress.	Physiology of Exercise; Scientific Approach to Coaching; Practical Training in Wrestling; Strength Training; Track and Field.



PHYSICS

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Frood Dr. D.	Condensed matter physics, specifically solid, liquid and gaseous dielectrics.	Quantum Mechanics; Classical Mechanics; Electrodynamics; Statistical Mechanics; Relativity; Kinetic Theory; Dielectric Theory.
Hawton Dr. M.	Theoretical and experimental (dielectric) studies of disordered solids, including model biological membranes and rocks.	Thermodynamics; Energy and Fuel Science; Microcomputer Interfacing; Relativity; Statistical Mechanics; Disordered Solids.
Hughes Prof. D.	N. R.	
Keeler Dr. W.	Optical and electrical properties of semiconductors as a function of pressure and temperature; phase transitions in phospholipid bilayers.	Electromagnetic Theory; Electronics; Solar Energy Applications; Microcomputer Hardware; Laser Spectroscopy.
Paranjape Dr. V.	Electronic properties of semiconductors in two and three dimensional systems and of metals.	Wave Mechanics; Solid State Physics; Quantum Physics; Optics.
Spenceley Prof. B.	Application of physics and technical photography to forensic problems.	Optics; Mechanics; Experimental Physics; Photography.
Warren Dr. J.	Medium energy and nuclear physics.	Introductory Physics; Nuclear Physics; Nuclear Energy.

POLITICAL STUDIES

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
:ide)r. S.	The political economy of employment and unemployment (Comparative-Western, and Canada); the state and industrial relations; forestry policy in Canada.	Comparative Politics and Public Policy; West European Politics; American Politics; Canadian Government and Politics.
o r. G.	Privatization; transportation policy.	Canadian Parties; Public Administration; Research Methods.
er r. J.	Rhetoric in early modern political thought; public participation in forest policy.	Political Theory; History of Political Thought; Introductory Political Studies.
adhikari r. P.	Technology Transfer (legal, politico-economic); Third World international development and South Asian foreign policy; immigration and ethnicity in Canada.	International Relations and Canadian Foreign Policy; International Development and the Third World; Sociology of International Peace and Violence; International Law.
ır of. G.	Health policy; politics in northern regions; security and intelligence services.	Canadian Politics; Public Administration; Local Government.

PSYCHOLOGY

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Akram Dr. A.	Statistical paradigm and lack of progress in psychology; philosophy of science; issues in psychology.	Introduction to Psychotherapy; Group Processes; Clinical Assessment Techniques; Tests and Measurements in Psychology.
Allan Prof. K.	Stress testing; the effects of stress management techniques.	Introductory Psychometrics; Abnormal Perception; Industrial; Special Topics in Emotion.
Bauman Dr. E.	Psychological assessment of personality; interests and vocational aptitude; school psychology, with specific focus on learning disabilities in children and young adults.	Learning Disabilities; Psychological Assessment; Psychology of Religion.
Dilley Dr. M.	Topics in memory; the family and the working mother as they relate to children; topics concerning atypical children; topics concerning psychological issues for women.	A Survey of Child Psychology; The Atypical Child; Research in Child Psychology.
Ginsburg Dr. N.	Perception - variables (stimulus and subject) affecting perceived numerosity.	Experimental Psychology; Perception; History of Psychology.
Goldstein Dr. S.	Animal behaviour; learning operant analysis of ecological phenomena; application of behaviour principles to human social institutions (baseball and marriage).	Conditioning and Learning; Animal Behaviour.

E	RESEARCH INTERESTS	SUBJECTS TAUGHT
.eson r. J.	Health psychology, including effects of exercise and fitness; personality factors interacting with illness; response to, and recovery from, psycho-social stress. Consulting experience in experimental design and data analysis in a wide variety of subject areas.	Advanced Statistics; Physiological Psychology; Human Experimental Psychology; Introductory Psychology.
yk r. W.	Stress and lifestyle management; standardization of psychological tests on minority groups in northwestern Ontario; behavioral/cognitive therapy with adults, adolescents and children.	Behaviour Modification; Research Design and Statistics.
nnor r. B.	Interpersonal communication; personality; social gerontology.	Personality; Social Psychology.
nberg r. K.	Social development, specifically the development of person perception, interpersonal trust, moral judgement and self-disclosure.	Social Psychology; Socialization of the Child; Social Development Across the Life-Span.
nder r. K.	Drug effects (animals and human); genetics; teratology.	Biopsychology; Research Processes; Physiological Psychology; Behaviour and Drugs.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Sellick Dr. M.	Clinical/counselling psychology, particularly the psychology and counselling of women. Research interests include the above as well as psychoimmunology, and the role of psycho-social factors in disease and health.	Counselling; Introductory Psychology; Statistics.
Sellick Dr. S.	Clinical/health psychology; psychosocial oncology; specific aspects of learning disabilities (auditory/information processing).	Introductory Psychology; Personality & Social Psychology; Health Psychology.
Thompson Dr. A.	Clinical psychology, including counsellor training, psychometric assessment and counselling outcome research. Consultant for Ministry of Corrections, forensic assessment, young offenders and sexual abuse perpetrators.	Special Topics; Clinical Psychology.

E	RESEARCH INTERESTS	SUBJECTS TAUGHT
enter Dr. D.	Research on student learning styles and implications for teaching styles and curriculum development; interdisciplinary contributions to the conceptual foundations of social work and from the philosophy of science.	Crisis Intervention; Social Work Practice Theory; Human Behaviour and Social Environment; Social Welfare Administration.
ney Dr. R.	Family violence; child abuse; organizational development; community development; rural social work. Stress and crisis intervention, child welfare; shelter for the homeless, young offenders.	Social Welfare; Social Policy; Family Violence; Human Sexuality; Crisis Intervention.
ley Prof. M.	Social work practice in health care, including drug abuse and work with the elderly; Indian helping models and service delivery; services for psycho-geriatrics; drug rehabilitation models.	Social Work Theory and Practice Skills; Treatment of Alcohol and Drug Abuse; Aging and the Elderly; Human Behaviour in the Social Environment.
ay Prof. S.	Structure and development of social service delivery systems, especially child and family welfare; unemployment and employment-related problems; northern and international social development; role, function and organization of social work; case management; social service program evaluation.	Social Work Theory and Practice; Professional Communication Theory and Skills; History; Philosophy and Ethics of Social Work; Social Work with Children and Families.
or Dr. K.	Culture-specific counselling; Inuit, Dene peoples; women's issues; teaching techniques.	Communications; Native Issues: A Feminist Perspective; Group Work; Research and Community Organization.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Nelson Dr. C.	Research on Indian helping methods and human service issues; rural community development in resource dependent communities; impact of interactive telecommunication systems on the delivery of human services.	Research Methods and Statistics; Social Policy and Indian People; Rural Social Work Practice; Administration in Human Service Organizations.

E	RESEARCH INTERESTS	SUBJECTS TAUGHT
: :r. A.	Recruitment to the nursing profession; cross-cultural comparison of attitudes toward grandparents; social demography of Southeast Asian immigrants in Canada; Filipinos in Canada.	Sociology of Medicine; Sociology of Aging; Race and Ethnic Relations; Family Sociology; Social Research Methodology; Minority Groups.
:in)r. J. D.	Rural development (especially in forested areas); applied sociology and the integration of ecology with rural sociology; research techniques; socioecology; social psychology of natural groups; computer-aided instruction; the transfer of technology and its impact on carrying capacities and social organization; international exchange programs (in sociology, agriculture, forestry, health).	Sociological Research Methods and Methodology - Integration of Theory and Research; Rural Sociology; Northern Regions; Social Psychology; Small Groups; Socioecology; Computers and Society; Technology and Social Impacts.
)re)r. J. B.	Research on the effects of social policies and the law on northern development, with particular reference to Native Canadians.	Sociology of Law; Criminology.

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Nelsen Dr. R.	Interconnections among higher education; the centralization and bureaucratization of school learning; the development and application of science-technology; the growth of professionalism and deviance from both professional and technical protocol; sex role definitions and discrimination.	Introduction to Sociology; Criminology and Deviant Behaviour; Sociology of Education; Sociology of the Family; Sociology of Sex Roles; Sociology of the Professions; Technology and Society; Sociology of Sociology.
Nock Dr. D.	Canadian society and culture; sociology of religion; ethnic relations; history of Canadian social science and education in Canada.	Canadian Society; Sociology of Religion; Political Sociology; Sociology of Knowledge; Introduction to Sociology; Criminology; Problems and Issues in Sociology.
Ruiperez Dr. R.	Drug addiction, particularly alcoholism; family & life-style changes and problems; social change.	Introduction to Sociology; Family Sociology; Drug Addiction; Social Change and Social Development.
Schroeter Dr. G.	The history and theory of European sociology between 1890 and 1933.	Classic Social Theory; Contemporary Social Theory; Social Problems.
Southcott Dr. C.	The social and economic development of hinterland regions; community development strategies; social history of Thunder Bay and northwestern Ontario; social theory.	Introduction to Sociology; Sociology of Education; Political Analysis; Emil Durkheim and Functionalist Theories of Sociology; Sociology of Development.

SOCIOLOGY

ME	RESEARCH INTERESTS	SUBJECTS TAUGHT
ıfford Dr. J.	Research and consulting including evaluation of programs and assessment of impact of projects on communities; historical and contemporary studies of private pensions; analysis of migration, especially labour migration, from a political perspective.	Canadian Society; Research Methods; Population.

VISUAL ARTS

NAME	RESEARCH INTERESTS	SUBJECTS TAUGHT
Aurandt Prof. D.	Relationships between literature and visual arts; iconology and iconography; critical theory; colour; form and expression in painting.	Basic Design; Introductory and Intermediate Drawing; Intermediate and Advanced Painting, Colour Theory and Practice; Modern and Contemporary Art Criticism; History and Theory of Film.
Nisenholt Prof. M.	Intaglio, silkscreen and relief printing methods incorporating hand-drawn, computer generated and photographic imagery.	Drawing; Printmaking.
Tiura Prof. O.	Visual arts, specifically the creation of sculptures in bronze and other metals; working with architectural spaces and industrial design concepts. The creation of physical environments as they relate to the tourist industry.	Drawing and sculpture courses at all levels; Experimental Arts; Exhibition Processes; Two and Three Dimensional Design.
Vervoort Prof. P.	Local architecture and grain elevators; 19th century painting and aesthetics; Dionysus and Ariadne.	Art History.

AKERVALL, Dr. H.	Outdoor Recreation	40
AKRAM, Dr. A.	Psychology	47
ALEXANDER, Prof. D.	Business Administration	4
ALLAIRE, Dr. F.	Mathematics	34
ALLAN, Prof. K.	Psychology	47
ALLAWAY, Dr. W.	Mathematics	34
ANDERSON, Prof. F.	Economics	10
ANGUS, Dr. J.	Education	12
ARCHIBALD, Dr. R.	Business Administration	4
AURANDT, Prof. D.	Visual Arts	55
BAARSCHERS, Dr. W.	Chemistry	8
BARCLAY, Dr. P.	Biology	2
BARRY, Dr. D.	Engineering	16
BATES, Prof. J.	Education	12
BAUER, Dr. T.	Physical Education	43
BAUMAN, Dr. E.	Psychology	47
BENSON, Prof. C.	Forestry	24
BENSON, Dr. M.	Mathematics	34
BERG, Dr. R.	Philosophy	42
BLACK, Prof. L.	Mathematics	34
BLENKARN, Prof. M.	Education	12
BONSOR, Prof. N.	Economics	10
BOONE, Prof. M.	Nursing	38

BORRADAILE, Dr. G.	Geology	29
BOUFFARD, Dr. M.	Physical Education	43
BOWD, Dr. A.	Education	12
BROWN, Dr. K.	Forestry	24
CAMERON, Prof. R.	Business Administration	4
CARMEAN, Dr. W.	Forestry	24
CARPENTER, Dr. D.	Social Work	50
CARRUTHERS, Dr. G.	Music	37
CHARLES, Dr. K.	Economics	10
CHEN, Dr. M.	History	30
CHEN, Dr. A.	Sociology	52
CLARKE, Prof. R.	Forestry	24
CLOUTIER, Mr. A.	Languages	31
COMMON, Dr.D.	Education	12
COOLEN, Prof. J.	Engineering	16
COOPER, Dr. D.	Engineering	16
COURTLAND, Dr. M.	Education	12
CROCKER, Dr. P.	Physical Education	43
CROSSMAN, D	Physical Education	43
CROWE, Dr. W.	Business Administration	4
CROZIER, Prof. D.	English	22
CUMMING, Dr. H.	Forestry	24
DADGOSTAR, Dr. B.	Business Administration	4

DAVID, Prof. E.	Forestry	24
DAWSON, Prof. K.	Anthropology	1
DAY, Dr. A.	Mathematics	34
DAY, Prof. R.	Forestry	24
DELANEY, Dr. R.	Social Work	50
DIEM, Prof. E.	Nursing	38
DILLEY, Prof. R.	Geography	28
DILLEY, Dr. M.	Psychology	47
DOLPHIN, Prof. E.	Languages	31
DRIBEN, Dr. P.	Anthropology	1
DUINKER, Dr. P.	Forestry	25
EAMES, Dr. W.	Mathematics	34
EASA, Dr. S.	Engineering	16
EIGENBROD, Dr. K.	Engineering	16
ELMSLIE, Prof. H.	Business Administration	5
EPP, Dr. A.	History	30
FARMER, Jr. Dr. R.	Forestry	25
FINE, Prof. M.	Business Administration	5
FLAGEL, Dr. D.	Philosophy	42
FORBES, Dr. J.	English	22
FRALICK, Dr. P.	Geology	29
FREITAG, Dr. R.	Biology	2
FROOD, Dr. D.	Physics	45

FUTHEY, Prof. J.	English	22
GARRED, Dr. L.	Engineering	16
GARTON, Dr. C.	Biology	2
GELLERT, Dr. J.	English	22
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