

Lethbridge College Dual Credit Course Offerings 2022-23

COURSE NAME	DESCRIPTION	SEMESTER	CREDITS	STUDENT PAID FEES/SUPPLIES	PRE-REQUISITES	HOURS
Health, Safety & Nutrition* (ONLINE)	This course provides content specifically focused on the wellness of young children and those who care for them in early childhood education programs. The course content focuses on basic principles of health and well-being, nutrition through implementation of the Canada Food Guide, and safety issues pertaining to early childhood.	Fall & Winter	3	Book: \$136	none	3hrs/week (45 total)
Introduction To Early Childhood Education* (ONLINE)	This course covers the goals and essential components for successful preschool experiences. The historical, social and psychological influences that have shaped early childhood theory and practice through the years are also examined. Students will gain an insight into the role of the early childhood worker and will examine their own personal philosophy for early childhood work, in light of current appropriate child care practices.	Fall & Winter	3	Book: \$106	none	3hrs/week (45 total)
Introduction To The Criminal Justice System* (ONLINE)	An introduction into the study of Canada's criminal justice system which consists of three major agencies: the police, the courts, and the correctional system. The structure of policing, the courts, and the correctional system are examined together with the development, role and functions of each agency.	Winter	3	Book: \$135	none	3hrs/week (45 total)
Botany* (ONLINE)	An introduction to plant evolution and diversity with a focus on angiosperms (flowering plants). Emphasis is on plant anatomy, physiology and the effects of abiotic and biotic factors on plant growth and development.	Fall & Winter	3	Book: \$150	Grade 11/12	5hrs/week (75 total)
Introduction to Anatomy and Physiology (ONLINE, optional on-campus lab day)	A comprehensive study of anatomical terms, body organization, basic chemistry, histology, skeletal system, muscular system, digestive system, and the reproductive system. Labs include the study of the skeleton, muscles and histology.	Winter	3	Book/lab manual: \$200	BIO 30	4hrs/week (60 total)

Interpersonal Communications* (ONLINE)	This course is designed to improve students' self-concepts and provide them with the skills to successfully relate with others on a personal, social and business basis. Designed for personal growth and attitude change, this course provides opportunities to develop communication skills, recognition and understanding of self concept, skills in enhancing interpersonal relationships, procedures for goal-setting and techniques for decision-making.	Fall & Winter	3	Book: \$117	none	3hrs/week (45 total)
Introduction to Indigenous Studies* (ONLINE)	An exploration of indigeneity and what it means to be indigenous in Canada. Students apply indigenous perspectives in areas of the environment, social issues, aesthetics, and history and participate in reflective practice and community building.	Fall & Winter	3	Book: \$25	none	3hrs/week (45 total)
Composition* (ONLINE)	ENG 1150 is the university transfer (Writing 1000 at the UofL) course, which focuses on assignments ladder into the research essay (annotated bibliography, APA).	Fall & Winter	3	Book: \$125	none	3hrs/week (45 total)
Wellness and Health Issues* (ONLINE)	An overview of the dimensions of wellness, including physical, emotional, social, intellectual, spiritual, occupational, and environmental wellness, with a focus on concepts of health and wellness, within the context of community, including cost to the Health Care System. An analysis, explanation and identification of individualized strategies of personal health issues, and dimensions of fitness to build resiliency and take responsibility for one's own health, will be explored.	Winter	3	Book: \$221	none	3hrs/week (45 total)
Introduction to Design Software and Photography (ONLINE)	This course introduces students to design software and DSLR camera functions to develop skills that allow for production of still visuals used in media. Students will learn about file management, desktop publishing and basic layout techniques using design software as well as photographic depth of field, subjects in motion, proper lighting techniques and editing photographic images.	Fall	3	Adobe CC license \$100; DSLR camera – rental provided by LC.	none	4.5hrs/week (67.5 total)

Animal Science (ONLINE, with several mandatory days of on-campus labs)	This introductory course is designed to allow students to gain a wider perspective of animal husbandry practices and the various species currently under production in southern Alberta. Students will be introduced to physiology, nutrition, reproduction, current environmental and welfare issues as well as basic production principles, demonstrations and hands-on lab work.	Fall	3	Book: \$140	Grade 11/12	5hrs/week (75 total)
Graphic Communications (ONLINE)	Students will learn the tools and techniques needed using AutoCAD to create industry-ready engineering drawings. The course includes an introduction to 3D modelling and advanced applications and customization techniques available when using AutoCAD to create graphic communications.	Fall	3	Tutorial Guide to AutoCad (current edition) \$102.75 Access to a computer with AutoCad OR rent of a laptop with AutoCad installed from LC (estimated cost is \$250/term)	Math 20-2, 70% or better	6hrs/week (90 total)
Research and Writing for New Media* (ONLINE)	An introductory course to professional research and writing for new media projects. Focus is on developing interesting, clear and original content as well as adapting information from other sources.	Fall	3	None	none	3hrs/week (45 total)
Engineering Math I* (ONLINE)	An introduction to the mathematical concepts required for the engineering technologies in preparation for calculus. Topics include unit analysis and unit conversion, the Cartesian coordinate plane, algebraic equations, trigonometric functions, and problem solving skills. Mathematical concepts will be applied to physical problems including vector analysis, surveying applications, friction, optical instruments, and kinematics. Introductory calculus topics include limits, slope and area under the curve.	Fall	3	Book: Adams, RA and Essex, C. (2017) Calculus (9th Edition). \$76.95. Access to a computer or rental of an LC laptop (estimated cost \$250 per term).	Math 20-2, 70% or better	6hrs/week (90 total)
Design Fundamentals* (ONLINE)	This course provides an overview of the basic elements and principles of design. Understanding of the human-built environment is explored creatively using two- and three-dimensional problem-solving techniques. Space, form and context are analyzed and applied to various design challenges.	Fall	3	Book: \$125	Math 20-2, 70% or better	4hrs/week (60 total)
Introduction to Coaching* (ONLINE)	An introduction to the theoretical aspects of coaching which can be applied to any sport. Topics include introduction to coaching, ethical coaching, practice planning, nutrition, teaching and learning, sport program design, and mental preparation.	Winter	3	Book: \$50	None	3hrs/week (45 total)

Principles of Animation (ONLINE)	A hands-on application of the principles of animation will be used to create various animations. Focus will be on understanding and applying the animation development process, including sketching and storyboard design.	Winter	3	Adobe CC license \$100	None	4hrs/week (60 total)
Introduction to Psychology (ONLINE)	A basic understanding and overview of the field of psychology focusing on the scientific method, biological factors, cognitive processes, learning, memory, intelligence, motivation, personality and social psychology. Developmental factors of the lifespan are explored along with the definition and treatment of psychological disorders.	Winter	3	Book: \$100	None	3hrs/week (45 total)
Architectural Design* (ONLINE)	An introduction to architectural and engineering design and drafting through the study of symbols and conventional practices used on residential building plans. The application of the building code, design calculations, spatial relationships, and selection of appropriate structural building materials are examined. Focus is on the preparation of working drawings for a single family residence, including a main floor plan, foundation plan, building section, and elevation views using 3D design software.	Winter	3	None	CAD1160 or high school equivalent	6hrs/week (90 total)