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June 1, 2017

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Continuing Studies

Drupal Web Developer Certificate
New program:
Rationale:
The demand for Drupal (Web) Developers is very significant. Throughout BC, and in the Okanagan regions, there is high and continuing demand for Web Developers, and specifically for Drupal Web Developers. Local businesses have continual job postings, are unable to find qualified candidates, locally, provincially or nationally. Companies using Drupal are currently hiring developers from outside Canada, some of whom are working remotely.

Without a specialized Drupal training program, businesses using Drupal software will have difficulty hiring employees and meeting client demand.

Web Developers are listed in the BC's Top Occupations, that have been defined as follows:

Our top occupations are based on projected job openings, employment growth and labour market indicators such as unemployment and employment insurance utilization. Openings include new jobs created through economic growth as well as replacement jobs due to retired workers. (retrieved, March

development with Drupal will teach skills and provide knowledge for a broad field of web-related-site design and the expertise gained in this program will extend into many other frameworks and even static site design outside of Drupal.

Graduates of this program will gain the real-world knowledge required to apply themselves in the workforce and gain meaningful experience for employment.

Admission requirements:
- B.C. secondary school graduation, or equivalent, or 19 years of age and out of secondary school for one year as of the first day of classes.
- Interview and portfolio assessment of the following:
  - Novice level PHP (control flow, loops, variable and function declarations), or an intermediate level of C, C++ or C-based syntax language is a must.
  - Intermediate HTML5 - Fieldsets, navs, lists, divs, classes and events are used heavily in projects assigned in this course.
  - Intermediate CSS - You should be familiar with complex selectors, specificity, flexbox or floats, common styling properties and familiarity with cross-browser support.
  - Responsive (mobile/tablet) design principles. Knowledge in tools like SASS is an asset.

- Additional preferred skills
  - Experience with the Object Oriented Programming paradigm is recommended.
  - Familiarity with SQL syntax and simple SQL statements (MySQL/MariaDB)

Courses/hours
DRUP 100: INTRODUCTION TO DRUPAL DEVELOPMENT - 30 Hours
DRUP 110: GUI USAGE - 20 Hours
DRUP 120: WEBSITE THEMING - 40 Hours
DRUP 130: WEBSITE DEVELOPMENT PROJECT - 20 Hours
DRUP 140: MODULES AND HOOKS - 40 Hours
DRUP 150: DEVELOPING CUSTOM MODULES - 10 Hours
DRUP 160: BUILDING E-COMMERCE FINANCIAL TRANSACTIONS - 30 Hours
DRUP 170: COMMERCE PROJECT - 10 Hours
DRUP 180: DRUPAL COMMUNITY PROJECT - 40 Hours
Total Hours: 240

DRUP 100 – 30 hours   Introduction to Drupal Development
**   Intro to Drupal Development (short title)**
This course will provide students with an overview of developing Drupal 8 web sites, development

Learning Outcomes:
At the conclusion of this course, students will be able to:
- Describe how to configure and administer Drupal Content Management System sites.
- Demonstrate the model-view-controller design pattern.
- Create and modify site content.

DRUP 120 - 40 hours   Website Theming
This course will provide students with the key skills needed to theme a Drupal website. Students will learn to utilize PSR-4 name spaces and auto loading to modify core Drupal installations in order to theme them. This module will cover bootstrapping a custom theme and how to work with Drupal's hook system.
Learning Outcomes:
At the conclusion of this course, students will be able to:
- Create custom Drupal theme files.
- Demonstrate how manage local and testing versions of a site.
- Use common CSS and JavaScript libraries to customize themes.

DRUP 130 – 20 hours   Website Development Project
This course provides the opportunity for students to experience the first part of a real-world project. It will test the student's ability to apply CSS, JavaScript and Drupal interface skills. Students develop a cohesive site in a time limited manner.
Prerequisites: DRUP 100, DRUP 110 and DRUL 120
Learning Outcomes:
At the conclusion of this course, students will be able to:
- Create a fully functional website under time limitations as expected in a real-world environment.
- Describe how to integrate Drupal-generated content and layout with custom CSS, HTML and JavaScript.

DRUP 140 – 40 hours   Modules and Hooks
In this course, students will render arrays, twig templates and the Drupal framework to install, use and modify modules as well as building new, custom modules. Students will explore the usage of Drupal's hook system and Drupal's Entity API and Form API.
Learning Outcomes:
At the conclusion of this course, students will be able to:
- Develop special namespaces and directory layout for use with modules.
- Apply Drupal's various APIs for module development.
- Apply the principles of object oriented programming in working with Drupal.

DRUP 150 – 10 hours   Developing Custom Modules
In this course students will build upon the project from DRUPAL 130 and create a custom module. Students will demonstrate and apply their ability to translate the needs of a potential client as a custom module.
Prerequisites: DRUP 130 and DRUP 140
Learning Outcomes:
At the conclusion of this course, students will be able to:
- Develop in PHP and utilize the Drupal API.
  Explain how various elements of Drupal's core object and APIs work together and interact and be able to extend this to other web frameworks.

DRUP 160 – 30 hours   Building E-Commerce Financial Transactions
                                Building Financial Trans. (short title)

This course provides instruction on building an e-commerce website with Drupal. Students will learn about industry standards for financial transactions, management of products and product variations, and managing single store and multi-store environments.

Learning Outcomes:

At the conclusion of this course, students will be able to:

- Create and manage product types, product variations and products themselves for an e-commerce site.
- Construct a completely custom-product catalog with a highly, customizable display.

DRUP 170 – 10 hours   Commerce Project

This course combines all the skills previously learned in the program and applies them by completing the commerce portion of the site. E-Commerce is an integral part of the internet and serves as a backbone to many high profile sites like Amazon, Etsy and Telus. It emphasizes best practices for security and design for commerce.

Prerequisites: DRUP 100, DRUP 110, DRUP 120, DRUP 130, DRUP 140, DRUP 150 and DRUP 160

Learning Outcomes:

At the conclusion of this course, students will be able to:

- Create a fully functional website that allows for shipping, taxes and purchases.
- Explain how to integrate common third party payment and shipping sites.
- Demonstrate how to adhere to well-known standards for web security in a commerce setting.

DRUP 180 – 40 hours   Drupal Community Project

In this course students will learn how to interact and collaborate with community members of an open source project to achieve a collective goal. Open source projects rely on contributions from fellow programmers to grow and improve, and students will be exposed to the mechanisms used by Drupal projects. Topics included: providing help to users, writing or improving documentation, writing tests and generating new code.

Prerequisites: DRUP 130, DRUP 150 and DRUP 170

Learning Outcomes:

At the conclusion of this course, students will be able to:

- Describe how to communicate and collaborate with other developers and contributors to complete a task.
- Demonstrate how to provide code and technical support to both users and fellow developers.

Implementation date: September 2017

Costs: under consideration

BUAD 468 – 3 – 3   Selected Topics: Finance
Rationale:
See above
Calendar description:
This course will focus on specialized topics in finance.
Prerequisites:
Admission to a BBA program and fourth year standing or Admission to a Business Post-Baccalaureate Diploma
Additional prerequisites may be required based on the topic.
Implementation date:

offering it as a 300 level selective topic was not appropriate for a 200 level course and it could not be used by students toward their diploma. As a result the department has decided to add a set of selected topics courses at the 200 level and at the 400 level. The department also decided to include the new 400 level selected topics in the BBA specialties.

Program tables:
Bachelor of Business Administration Degree Program Outlines for each specialty.
Note the general option is not affected by these proposed changes.

Current	Proposed
Accounting Specialty While satisfying all the requirements outlined above for the Bachelor of Business Administration degree, students must include the following courses in their Business elective choices to specialize in Accounting. **Required courses:** BUAD 121	

Current	Proposed

Finance Specialty

While satisfying all the requirements outlined above for the Bachelor of Business Administration degree, students must include the following courses in their Business elective choices to specialize in Finance.
Eight courses from the following:
BUAD 208 Canadian Income Tax I
BUAD 234 Risk and Retirement Planning: Comprehensive Practices
BUAD 235 Wealth M3ment and Estate Planning

BUAD 251
BUAD 296 Long-term Ca3ement
 Capital Markets   es

Current	Proposed
Tourism and Hospitality Management Specialty While satisfying all the requirements outlined above for the Bachelor of Business Administration degree, students must include the following courses in their Business elective choices to specialize in Tourism and Hospitality Management: BUAD 206 The Business of Tourism BUAD 215 Restaurant Management BUAD 220 Hotel Management BUAD 230 Wine and Culinary Tourism	

Commercial Aviation Program – <mark>new info for AVIA 104, 105, 106, 107</mark>

AVIA 104 – 4 – 4   Introduction to Aviation Theory
Rationale:
Admission to the Commercial Aviation Diploma requires students to hold an approved Canadian Private Pilot Licence (PPL). The addition of this set of new courses (AVIA 104, 105, 106, & 107) will eliminate the Canadian Private Pilot Licence requirement by embedding the Canadian Private Pilot Licence training into the beginning stage of the program. This change has two benefits to students. Domestic students will be able to qualify for financial aid while completing the PPL. International students will have access to this program instead of being excluded by the current admission requirement of the PPL.
There exists a global need for skilled pilots, and there is room in the Commercial Aviation Diploma for these students. This revision to the program will allow it to grow.
Calendar description:
Students will study all of the Transport Canada Private Pilot Licence Ground School subjects to prepare for the Student Pilot Permit (PSTAR) written exam and Private Pilot - Aeroplane (PPAER) written exam. (4,0,0)
Successful completion of these exams is not required to pass this course but is required to progress to AVIA 106 and AVIA 107
Prerequisites: Admission to the Commercial Aviation Diploma
Corequisites: AVIA 105, AVIA 106
Implementation date: January 2018
Costs: n/a

AVIA 105 – 3 – 3   Aviation Language Proficiency
Rationale:
Admission to the Commercial Aviation Diploma requires students to hold an approved Canadian Private Pilot Licence (PPL). The addition of this set of new courses (AVIA 104, 105, 106, & 107) will eliminate the Canadian Private Pilot Licence requirement by embedding the Canadian Private Pilot Licence training into the beginning stage of the program. This change has two benefits to students. Domestic students will be able to qualify for financial aid while completing the PPL. International students will have access to this program instead of being excluded by the current admission requirement of the PPL.
There exists a global need for skilled pilots, and there is room in the Commercial Aviation Diploma for these students. This revision to the program will allow it to grow.
Calendar description:
Students will study the material to prepare for the Transport Canada Aviation Language Proficiency exam and Restricted Operator Certificate With Aeronautical Qualification (ROC-A) exam. (3,0,0)
Prerequisites/Corequisites:

Prerequisites	Admission to the Commercial Aviation Diploma
Corequisites	AVIA 104, AVIA 106

Implementation date: January 2018
Costs: n/a

AVIA 106 – 2 – 2   Pilot Skills Lab 1
Rationale:
Admission to the Commercial Aviation Diploma requires students to hold an approved Canadian Private Pilot Licence (PPL). The addition of this set of new courses (AVIA 104, 105, 106, & 107) will eliminate the Canadian Private Pilot Licence requirement by embedding the Canadian Private Pilot Licence training into the beginning stage of the program. This change has two benefits to students. Domestic students will be able to qualify for financial aid while completing the PPL. International students will have access to this program instead of being excluded by the current admission requirement of the PPL.
There exists a global need for skilled pilots, and there is room in the Commercial Aviation Diploma for these students. This revision to the program will allow it to grow.
Calendar description:

Students will complete the first twelve (12) hours of practical dual flight training required to write the

AVIA 113 – 1.5 –1.5   Meteorology I

NOTE: The rationale, implementation date and costs are the same for each of the new courses listed above. As a result, this information is included in the details for the first course only.

AVIA 122 – 1.5 – 1.5   Navigation and Air Regulations II
Course revision:
- Corequisites
-

- Corequisites
- Prerequisites

Rationale:
See above
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and A Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 122, AVIA 123, AVI A124

NOTE: The rationale, implementation date and costs are the same for each of the new courses listed above. As a result, this information is included in the details for the first course only.

AVIA 212 – 1.5 – 1.5   Advanced flight Operations I
Course revision:
- Corequisites
- Prerequisites

Rationale:
The corequisites are being added to update the course to what is actually being required of students in this program. Students are actually required to take AVIA 212, AVIA 213, AVIA 214, and AVIA 215 at the same time.
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 213, AVIA 214, AVI A 215

Implementation date: January 2017

Costs: n/a

AVIA 213 – 3 – 3   Instrument Procedures
Course revision:
- Corequisites
- Prerequisites

Rationale:
See above
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 212, AVIA 214, AVI A 215

AVIA 214 – 1.5 – 1.5   Advanced Avionics
Course revision:
- Corequisites
- Prerequisites

Rationale:
See above
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 212, AVIA 213 AVI A 215

AVIA 215 – 3 – 7   Flight Lab III
Course revision:
- Corequisites
- Prerequisites

Rationale:
See above
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 212, AVIA 213 AVI A 214

NOTE: The rationale, implementation date and costs are the same for each of the new courses listed above. As a result, this information is included in the details for the first course only.

AVIA 222 – 1.5 – 1.5   Advanced flight Operations I
Course revision:
- Corequisites
- Prerequisites

Rationale:
The corequisites are being added to update the course to what is actually being required of students in this program. Students are actually required to take AVIA 222, AVIA 225, AVIA 226, and AVIA 227 at the same time.
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 225, AVIA 226, AVI A 227

Implementation date: January 2017
Costs: n/a

AVIA 225 – 3 – 7   Flight Lab IV
Course revision:
- Corequisites
- Prerequisites

Rationale:
See above

Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 222, AVIA 226, AVI A 227

AVIA 226 – 3 – 3   Human Factors
Course revision:
- Corequisites
- Prerequisites

Rationale:
See above
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 222, AVIA 225, AVI A 227

AVIA 227 – 1.5 – 1.5   Aviation Skills
Course revision:
- Corequisites
- Prerequisites

Rationale:
See above
Prerequisites/Corequisites:

	Current	Proposed
Prerequisites	Admission to the Commercial Aviation program	Admission to the Commercial Aviation program and a Canadian Private Pilot License approved by the flight school.
Corequisites		AVIA 222, AVIA 225, AVI A 226

Commercial Aviation Diploma
Program revision:
- Addition of courses
- Admission requirements
- Graduation requirement
-

International students will have access to this program instead of being excluded by the current admission requirement of the CPPL.

Program description:

The Commercial Aviation Diploma (CAD) program is for individuals who are interested in pursuing a career in commercial aviation. The program provides students with university-level business competencies as well as Transport Canada commercial aviation licensing requirements. Graduates are qualified to be employed as pilots with charter companies, regional carriers and private corporations, and upon attaining sufficient flying hours, will also have job opportunities with major airline companies. Graduates may also find employment in other aviation-related careers.

The Commercial Aviation diploma program consists of two distinct and separate areas of study - aviation and flight training courses, and university-level academic courses. The flight training is taught at the Southern Interior Flight Centre facility located at the Kelowna International Airport and consists of Transport Canada-prescribed flight training, simulator training, aviation theory and exams. The academic portion of the program is completed at Okanagan College and consists eight 3-credit courses taken as part of this program.

The Commercial Aviation program is made available through a co-operative partnership between Okanagan College and the Southern Interior Flight Centre (1993) Ltd. The academic portion offered by Okanagan College is subject to normal Okanagan College regulations and tuition fees. The aviation and flight training portion is offered by Southern Interior Flight Centre and is not subject to Okanagan College control and regulations, although all tuition fees for academic courses and flight training are paid to Okanagan College. Okanagan College will maintain records of the student's flight training achievements as provided by Southern Interior Flight Centre on the official Okanagan College transcript.

Fees (subject to change): Students with an approved Canadian Private Pilot's Licence can expect to pay approximately $59,000 for tuition and flight training fees. Students without an approved Canadian Private Pilot's Licence can expect to pay an additional fee. Tuition fees for the flying portion are dependent upon the number of hours required to complete the flying and training requirements. These hours will vary according to the skill level of individual students. Please note that students who book an aircraft, simulator or instructor are responsible for related charges and cancellation penalties will apply. Fuel costs will be reimbursed to students at the Kelowna fuel rate set by Southern Interior Flight Centre. Costs above this rate are the student's responsibility.

Student Dress and Survival Equipment: Students will be required to wear the prescribed clothing for commercial pilots and should anticipate the costs of purchasing and maintaining their clothing. Prescribed clothing consists of: black pants, socks dress shoes, and tie plus a white "pilot" shirt. Students should anticipate preparing and maintaining their own personal survival pack to be carried on cross-country flights.

Career Opportunities: include pilots with charter companies, regional carriers and private corporations as well as additional job opportunities with major airline companies.

Admission requirements:
Current:
- B.C. secondary school graduation (or its equivalent), or mature student status.
- English 12 with minimum 60% or alternatives.
- *Students graduating from secondary school in or prior to 2012:* Principles of Mathematics 11 or an equivalent Advanced Level Adult Basic Education mathematics course, or a minimum of 70% in Introductory Mathematics 11, or a minimum of 60% in Applications of Mathematics 11.
- *Students graduating from secondary school in 2012 or later:* A minimum of 60% in one of Pre-calculus Grade 11, Foundations of Mathematics Grade 11, or Apprenticeship and Workplace Mathematics Grade 11. Mature applicants without Mathematics 11 may write the mathematics diagnostic test (MDT), administered by Okanagan College. A minimum score of 16/25 on the MDT is required.
- Private Pilot License.
- Category 1 Aviation Medical.

- Letter of recommendation from the Southern Interior Flight Centre indicating successful completion of a personal interview, aptitude test, and proof of financial ability.

NOTE: Private pilot training requires two months of full-time attendance and up to six months of part-time attendance. Contact the flying school for details.

AVIA 113 Meteorology I	AVIA 105 Aviation Language Proficiency
AVIA 114 Flight and Aircraft Systems I	AVIA 106 Pilot Skills Lab 1
AVIA 115 Flight Lab I	AVIA 107 Pilot Skills Lab 2

CMNS 112 Professional Writing I

This course should appeal to Arts students but also to business students and students considering careers in teaching, government, law, international affairs, intelligence, security, and the military. This is a topical issue for society, and ignorance is not a defence against warfare and terrorism.

Description:
Warfare and Terrorism since 1945 is a survey of the developments in warfare and terrorism since the last year of the Second World War when most of the elements of modern warfare and conflict emerged. Topics include: nuclear warfare, conventional warfare, guerrilla warfare, special forces warfare, computer and cyber warfare, suicide weapons, and terrorism. Across these topics, terrorism will be studied as a concept that has changed over the course of history, and as a tactic that deliberately and violently targets non-combatants in order to achieve a political or religious aim.

Prerequisites: none
Implementation date: September 2017
Costs: none

ECON 231 – 3 – 3   Introduction to Behavioural Economics
Rationale:
Behavioural Economics is the newest and most influential areas of economics today. Several bests selling books on decision making (Blink, The Power of Thinking Without Thinking; Nudge, Improving Decisions About Health, Wealth and Happiness; and How We Decide) all touch on some aspects of behavioural economics. This new area of economics is very popular as it helps us understand why we don't always make rational decision and can help us learn how to make better decisions in the future. The department has assessed a strong demand for this course. This course is an introduction to behavioural economics, and will be of interest to anyone with an interest in human economic behaviour. This course reflects new developments in the field of Economics, and introduces students to a relatively new field which has been shown to have impact on finance, marketing, management, industrial organization and politics.

Description:
Behavioural economics examines traditional economic

This course is the "micro" half of the standard university-level introductory course in economic institutions and theory. It deals with supply and demand, the analysis of the firm under different market structures, markets for factors of production, and the distribution of income. CGA, CMA credit. (3,0,0). Also offered by Distance Education.

Proposed:
This course is the "micro" half of the standard university-level introductory course in economic institutions and theory. It deals with supply and demand, the analysis of the firm under different market structures, markets for factors of production, and the distribution of income. CPA credit. (3,0,0). Also offered by Distance Education.

Implementation date: September 2017

Rationale:
The calendar description needs to be updated to reflect recent research and new approaches to consumer society. The department has decided to reduce the number of course prerequisites for this course from two to one. The reduction will make this course more accessible to students and align us with the sociology program of major universities in the province.

Course description:

Current:

This course introduces students to classical and contemporary theories of modern consumption and examines recent research on consumer society. Students will be able to think critically about modern consumption, decipher the theoretical language that frames the current research on consumption, and identify what is at stake in the discussion of that research.

Proposed:

This course provides students with an overview of theories and debates about consumption in sociology and related disciplines. It examines consumer society and culture in relation to topics such as identity, desire, social inequality, political economy, globalization, the environment, and social change. Students will be engaged in analyzing political, socioeconomic, and cultural aspects of consumption in sociological context. They will also have an opportunity to

Rationale:
The Department has decided to reduce the number of course prerequisites for this course from two to one. This change will make this course more accessible to students and align us with the sociology program of major universities in the province.

Prerequisites:

	Current	Proposed
Prerequisites	SOCI 111 and SOCI 121	SOCI 111

Implementation date: September 2017

Costs: n/a

Candidates for Graduation approved – May 29, 2017 Operations Committee Meeting

Program	# of Student
Associate of Arts Degree	44
Advanced Certificate in Communications	2
Associate of Science Degree	22
Bachelor of Business Administration	114
Bachelor of Computer Information Systems	5
Business Administration Certificate	4
Business Administration Diploma	102
Business Studies Certificate	6
Civil Engineering Technology Diploma	9
Commercial Aviation Diploma	4
Computer Information Systems Diploma	20
Culinary Management Diploma	2
Diploma in Communications, culture and Journalism Studies	1
Diploma in Criminal and Social Justice	26
Diploma in Environmental Studies	11
Diploma in General Studies	4
Diploma in Writing and Publishing	1
Early Childhood Education Diploma	12
Electronic Engineering Technology Diploma	15
Health Care Assistant	1
Human Kinetics Diploma	16
International Development Diploma	5
Medical Administrative Assistant Certificate	1
Network and Telecommunications Engineering Technology Diploma	16
Office Assistant Certificate	1
Post-Baccalaureate Diploma in Accounting	3
Sustainable Construction Management Technology Diploma	12
Water Engineering Technology Diploma	2
Total	**461**