

UNDERGRADUATE EDUCATION COMMITTEE (UEC) December 16, 2016 - 10:00 AM A253

AGENDA

Page 1. APPROVAL OF THE AGENDA 1.1. 2. APPROVAL OF UEC MINUTES 3 - 5 **2.1.** UEC draft minutes: November 25, 2016 3. COURSE OUTLINES 3.1. Business 6 - 9 Changes including prerequisites: BUS 245 MOTION: To approve the BUS 245 course outline as presented. 10 -3.2. Economics 14 Cross-listing as GEOG 361: ECON 361 MOTION: To approve the ECON 361/GEOG 361 course outlines as presented. 15 -3.3. Geography and the Environment 24 Changes including cross-listing as ECON 242: GEOG 242 Review with changes including prerequisites: GEOG 440 MOTION: To approve the GEOG 242/ECON 424 course outline as presented. MOTION: To approve the GEOG 440 course outline as presented. 3.4. English 25 -33 Review with changes including title and prerequisites: ENGL 210 Review with changes including prerequisites: ENGL 215 MOTION: To approve the ENGL course outlines as presented. 34 -3.5. Mathematics 39 New course: MATH 123, Everyday Math and Stats

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64

86

91

171

MOTION: To approve the new MATH 124 course outline as presented.

40 - **3.6. Visual Arts**

Review with changes including prerequisites: AH 204

Review with changes: FILM 120

Review with changes including title and prerequisites: VA 223

Review with changes including title: VA 224

Review with changes including prerequisites: VA 321

Review with changes: VA 322

MOTION: To approve the AH, FILM, and VA course outlines as presented.

4. PROGRAMS

65 - **4.1. Arts**

Change to entrance and program requirements: Liberal Arts diploma

MOTION: To recommend approval of the changes to the Liberal Arts diploma as presented, effective September 2017.

87 - 4.2. Modern Languages

Revisions: Framework for Proficiency certificates in Modern Languages

MOTION: To approve the revised Framework for Proficiency certificates in Modern Languages as presented.

5. OTHER BUSINESS/DISCUSSION ITEMS

5.1. Policy Subcommittee membership

6. INFORMATION ITEMS

92 - **6.1. Trades**

Apprenticeship program: Heavy Duty Equipment Technician - Level Two

Apprenticeship program: Plumber - Level Two

Harmonization: Welding program

6.2. Minor course changes (outlines will be available at

www.ufv.ca/calendar/courseoutlines)

ENGL 208

GD 101, 157

GEOG 130, 344

MATH 124

7. ADJOURNMENT



UNDERGRADUATE EDUCATION COMMITTEE (UEC) MEETING

November 25, 2016 10:00 AM - A225 **Abbotsford Campus**

DRAFT MINUTES

PRESENT:

Donna Alary, Teresa Arroliga Piper, Maria Bos-Chan, Sue Brigden, Rhonda Colwell, Heather Compeau, Jared De Bruin, Nancy Goad, David Johnston, Bruce Kirkley, Emilio Landolfi, David

McGuire, Elaine Newman, Samantha Pattridge, Eric Spalding, Ben Vanderlei, Simon Xi Adrianna Bakos, Vlad Dvoracek, John English, Peter Geller, Shirley Hardman, Ceilidh Hart,

Kirsten Robertson, Mary Saudelli, Arashpreet Tamber

GUESTS: Margret Bollerup, Jeff Chizma, Heather Davis-Fisch, Marlene Murray, Steven Schroeder, Hilary

Turner

RECORDER: Amanda Grimson

ABSENT:

1. APPROVAL OF THE AGENDA

2. **APPROVAL OF UEC MINUTES**

2.1. UEC draft minutes: Oct. 28, 2016

MOTION:

To approve the draft minutes as presented. **CARRIED**

COURSE OUTLINES 3.

3.1. English

Change to prerequisites: ENGL 105

Prerequisites are being changed to reflect the changes to the English Language Proficiency requirements.

MOTION:

To approve the ENGL 105 course outline as presented. **CARRIED**

3.2. Mennonite Studies

Review with changes: MENN 100

Review with changes including prerequisites: MENN 300

To approve the MENN 100 course outline as presented. **CARRIED**

MOTION:

To approve the MENN 300 course outline as presented. CARRIED

UEC Draft Minutes 25 Nov 2016

3.3. Physics

New course: PHYS 375, Radiobiology and Radiation Protection

MOTION:

To approve the PHYS 375 course outline as presented. CARRIED

3.4. Theatre

Changes including title and prerequisites: THEA 290

Changes including title: THEA 295

Changes including prerequisites: THEA 299

H. Davis-Fisch confirmed that transfer credit exists for all three courses.

MOTION:

To approve the THEA course outlines as amended:

THEA 290 total hours: 45 minimum
 THEA 295 total hours: 45 minimum
 THEA 299 total hours: 60 minimum

CARRIED

4. PROGRAMS

4.1. Biology

Change to program requirements: Biology minor (BSc)

UEC appreciated the Biology department submitting a response to questions raised at the September meeting. However, as there were additional questions and a representative did not attend, this item will be postponed. As similar changes to the Biology extended minor are also in the approval process, it was also suggested that both items should come to UEC at the same time.

MOTION:

To postpone the changes to the Biology minor (BSc) program requirements until a representative can attend UEC.

OPPOSED: 1 CARRIED

<u>Change to declaration requirements</u>: Bachelor of Science, Biology major and minor

MOTION:

To approve the declaration requirements for the Bachelor of Science, Biology major and minor as presented, effective September 2017. ABSTENTION: 1

CARRIED

5. OTHER BUSINESS/DISCUSSION ITEMS

5.1. Policy Subcommittee membership

UEC Draft Minutes 25 Nov 2016

T. Arroliga Piper agreed to sit on this subcommittee in one of the two vacant Faculty member positions, and S. Brigden will fill the Dean's position.

Two other UEC members expressed an interest in this subcommittee, but as neither holds a Faculty position on UEC, the only available position is UEC member at large. As one of the candidates was not able to attend the meeting, both will be asked to prepare a statement ahead of the December UEC meeting and ballots will be available for an election.

This subcommittee will be finalized in December. Membership currently includes:

- UEC Chair: Eric Spalding
- Registrar or designate: David Johnston
- Two UEC Faculty members:Teresa Arroliga Piper, [vacant]
- UEC Advisor: Simon Xi (two-year term)
- IR representative: Donna Alary
- Dean: Sue Brigden
- UEC member at large: [vacant] (two-year term)

6. INFORMATION ITEMS

- 6.1. Bachelor of Social Work entrance requirements
- 6.2. Updated membership and Terms of Reference

7. ADJOURNMENT

The meeting was adjourned at 11 am.

Date: Subjection S	a: Dr. Raymond Leung and Dr. Frank Ulbrich, School of Business : Sep 9, 2016 ect: Proposal for revision of BUS 245 Personal Wealth Creation summary of changes (select all that apply): Six-year review
From Date: Subjection: Control Contr	a: Dr. Raymond Leung and Dr. Frank Ulbrich, School of Business : Sep 9, 2016 ect: Proposal for revision of BUS 245 Personal Wealth Creation summary of changes (select all that apply): Six-year review
Date: Subjection S	: Sep 9, 2016 ect: Proposal for revision of BUS 245 Personal Wealth Creation summary of changes (select all that apply): ☐ Six-year review
Subje	ect: Proposal for revision of BUS 245 Personal Wealth Creation Gummary of changes (select all that apply): Six-year review
S	summary of changes (select all that apply): ☐ Six-year review
	☐ Six-year review
	Number and for course code
	☐ Number and/or course code☐ Credits and/or total hours
	☐ Title
	☑ Calendar description
	☑ Prerequisites and/or co-requisites
	☐ Frequency of course offering
	☑ Learning outcomes
	☐ Delivery methods and/or texts and resource materials
L	☐ PLAR options, grading system, and/or evaluation methods
	☐ Discontinuation of course☐ Other – Please specify:
_	Other - Flease specify.
. R	Rationale for change: Update the descriptions and language of the course outline, add "and at least 15
	iniversity credits" to the prerequisites. This is necessary otherwise students could take this second year
	course in their first semester in first year.
	f there are substantial changes to the learning outcomes, explain how they align with the learning
	outcomes of the program(s): No substantial changes.
	s this course required by any program beyond the discipline? If so, how will this change affect that program or programs? No
-	Which program areas have been consulted about the change(s)? N/A
	What consideration has been given to indigenizing the curriculum? Applications and cases where
	applicable.
	f this course is not eligible for PLAR, explain why:
	f any of the following items on the official course outline have changed, explain how the change will affect
	he budget for your area or any other area: N/A
	a. Credit value
	b. Class size limit
	c. Frequency of offering
	d. Resources required (labs, equipment)
). A	Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How

COURSE OUTLINES Page 6 of 171

CWC comments and responses:

• The previous description indicated that this course is intended for non-business students. Is that still the case?

The course is designed to cater to both business and non-business students. Hence, the restriction has been taken out of the description to make this course available to all UFV students.

- Increase in prerequisites will require notice in the calendar prior to implementation.

 It has been noted that notice is required to add 15 university credits. It is, however, important a student should have completed some university credits before taking this course. Rather than specific courses, the 15 university credit minimum limit is sufficient.
- The department may want to consider spelling out specific prerequisites rather than referring back to
 MATH 141

It is preferred to refer to MATH 141 pre-requisites rather than spelling them out. Any potential change in the MATH 141 pre-requisites would otherwise trigger a revision of BU 245.

COURSE OUTLINES Page 7 of 171



ORIGINAL COURSE IMPLEMENTATION DATE: Fall 2007

REVISED COURSE IMPLEMENTATION DATE: September 2017

COURSE TO BE REVIEWED: (six years after UEC approval) September 2019

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: BUS 245 Number of Credits:					its: 3 Course credit policy (105)		
Course Full Title: Personal Wealth Creation							
Course Short Title (if title exceeds 30 charact							
Faculty: Faculty of Professional Studies	· ·	Depai	rtmen	t (or prog	ram if no department):	: School of Business	
Calendar Description:				· · ·	. ,		
Personal Financial Planning is important for concepts involved in comprehensive personal						des general principles and	
Prerequisites (or NONE): Prerequisites for MATH 141. N following: Prerequisites for MA							
Corequisites (if applicable, or NONE):	None						
Pre/corequisites (if applicable, or NONE):	None						
Equivalent Courses (cannot be taken for additional credit)			Transfe	r Credit			
Former course code/number:				Transfer	credit already exists:	Yes □ No	
Cross-listed with:				T (15 140D 1 1 14 DOOAT)			
Equivalent course(s):				Transfer credit requested (OReg to submit to BCCAT): ☐ Yes ☒ No (if yes, fill in transfer credit form)			
Note: Equivalent course(s) should be included in to way of a note that students with credit for the equitions course for further credit.				Resubm	it revised outline for artic	culation: Yes No	
Total Hours: 45				Special		, <u></u>	
					course be offered with d	ifferent tenies?	
Typical structure of instructional hours:			1			merent topics:	
Lecture hours		20		☐ Yes ☒ No			
Seminars/tutorials/workshops		25		If yes, di	fferent lettered courses	may be taken for credit:	
Laboratory hours Field experience hours				☐ No [Yes, repeat(s)	Yes, no limit	
Experiential (practicum, internship, etc.)				Note: The	e specific topic will be recor	rded when offered	
Online learning activities			-		· ·		
Other contact hours:				Maximu	m enrolment (for inforn	nation only): 36	
	Total	45	1		ed frequency of course every other year, etc.):	offerings (every semester,	
Department / Program Head or Director: D	ır Frankıllı	hrich		ailliually,	Date approved:	October 2016	
	n. i ialik Uli	UTICIT			•		
Faculty Council approval					Date approved:	October 2016	
Campus-Wide Consultation (CWC)					Date of posting:	November 11, 2016	
Dean/Associate VP: Dr. Tracy Ryder Glass					Date approved:	October 2016	
Undergraduate Education Committee (UE	Indergraduate Education Committee (UEC) approval					December 16, 2016	

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	Universit	y of the Fraser Va	alley Offici	al Undergraduate Co	ourse Outlin	e P	age 2 of 2
Learning Outcomes							
Jpon successful comple	tion of this cou	rse, students will b	e able to:				
LO 1. Prepare personal f				lan, cash flow stateme	ent and state	ment of net worth.	
LO 2. Apply basic knowle				•			
LO 3. Calculate various							
LO 4. List the features of			-	•			
LO 5. Compare the adva		•		-			
LO 6. Apply aspects and	-	-		-			
- o . , , pp., aspects and	оспосрто ст.		.o p.ag				
Prior Learning Assessr	ment and Rec	ognition (PLAR)					
⊠ Yes ☐ No, PLA	AR cannot be a	warded for this co	urse becau	ise			
Typical Instructional M	ethods (quest	lecturers, presentat	tions, onlin	e instruction, field trips	s, etc.; may va	ry at department's di	scretion)
_ecture, discussion, stud		-		-	,, ,	.,	,
Grading system: Letter			•	to be scheduled inde	nendent of le	ecture hours: Yes 🗆	No 🏻
Didding System. Letter	Ciddes. 🖂	orealt to Orealt.	Labo	to be soriedated inde	perident of it	otare floars. Tes 🗀	110 🖂
NOTE: The following se	ections may v	ary by instructor.	Please se	e course syllabus a	vailable fron	n the instructor.	
Typical Text(s) and Res			-	download Supplement			-
Author (surname, init	tials) Title (artic	cle, book, journal, et	tc.)		Current ed.		Yea
1. Madura, J.	Personal	Finance			\boxtimes	Pearson Education Canada	
2.					П		
3.					Ī		
4.							
\ calculator approved by	, tha IIE\/ Sah/			v Scribbi bi Business	website).		
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		· · · · · · · · · · · · · · · · · · ·	10%	Midterm exam:	25%	Practicum:	%
Typical Evaluation Met	hods and Wei	ghting		Midterm exam: Field experience:	25% %	Practicum: Shop work:	
Final exam: Quizzes/tests:	50% 10%	ghting Assignments:	10%				%
Final exam: Quizzes/tests: Class attendance/partic	50% 10%	ghting Assignments: Lab work:	10%	Field experience:	%	Shop work:	%
Fypical Evaluation Method Final exam: Quizzes/tests: Class attendance/partice Details (if necessary):	50% 10% sipation: 5%	ghting Assignments: Lab work:	10%	Field experience:	%	Shop work:	%
Typical Evaluation Met Final exam: Quizzes/tests: Class attendance/partic Details (if necessary):	50% 10% sipation: 5%	ghting Assignments: Lab work:	10%	Field experience:	%	Shop work:	% % 100%
Typical Evaluation Metinal exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Conten	50% 10% sipation: 5%	Assignments: Lab work: Other:	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Met Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to Financial planni	50% 10% cipation: 5% t and Topics personal finaling – an introd	ghting Assignments: Lab work: Other:	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Met Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to - Financial planni - Personal finance	50% 10% cipation: 5% t and Topics opersonal final ing – an introdial statement	Assignments: Lab work: Other:	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Metinal exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Content Module 1: Introduction to Financial planni Personal financial Tax concepts for	50% 10% cipation: 5% t and Topics personal final ing – an introdial statement or financial plan	Assignments: Lab work: Other:	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Metinal exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Content Module 1: Introduction to Financial planni Personal financial Tax concepts for	50% 10% cipation: 5% t and Topics personal final ing – an introdial statement or financial plan	Assignments: Lab work: Other:	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Methodiscontinuous Final exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Contento Module 1: Introduction to Financial planning Personal finance Tax concepts for Assignments and quizzeous Module 2: Time value of	50% 10% cipation: 5% t and Topics personal finaling – an introdial statement or financial plars (LO 1–2) money and cre	ghting Assignments: Lab work: Other: ncial planning & induction nning	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Metinal exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Content Module 1: Introduction to a Financial planning Personal finance Tax concepts for Assignments and quizzee Module 2: Time value of Applying time value of Applying time value of Financial Planning Value of Applying time value of Applying time value of Financial Planning Value of Applying time value of Applying time value of Financial Planning Value of Applying time value of Financial Planning Value of Financ	t and Topics personal final ing – an introdical statement or financial plars (LO 1–2) money and creature of money	ghting Assignments: Lab work: Other: ncial planning & induction nning	10% %	Field experience:	%	Shop work:	%
Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to Financial planni Personal financ Tax concepts for Assignments and quizze Module 2: Time value of Applying time value of Assessing, mar	t and Topics o personal financial statement or financial plans (LO 1–2) money and creature of money and serial serial serial plans and serial plans and serial plans and serial s	ghting Assignments: Lab work: Other: ncial planning & induction nning	10% %	Field experience:	%	Shop work:	%
Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to Financial planni Personal financ Tax concepts for Assignments and quizze Module 2: Time value of Applying time value of Assessing, mar	t and Topics o personal financial statement or financial plans (LO 1–2) money and creature of money and serial serial serial plans and serial plans and serial plans and serial s	ghting Assignments: Lab work: Other: ncial planning & induction nning	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Method Final exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Content - Financial planni - Personal finance - Tax concepts for Assignments and quizzee Module 2: Time value of - Applying time value of - Assessing, man Assignments and quizzee	t and Topics o personal financial statement or financial plans (LO 1–2) money and creature of money and serial serial serial plans and serial plans and serial plans and serial s	ghting Assignments: Lab work: Other: ncial planning & induction nning	10% %	Field experience:	%	Shop work:	%
Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to - Financial planni - Personal financ - Tax concepts for Assignments and quizzee Module 2: Time value of - Applying time value of - Assessing, man Assignments and quizzee Midterm exam (LO 1–)	50% 10% 10% sipation: 5% t and Topics personal final ing – an introdial statement or financial plars (LO 1–2) money and creature of money aging, and sets (LO 2–3)	Assignments: Lab work: Other: ncial planning & incuction nning edit curing your credit	10% %	Field experience:	%	Shop work:	%
Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to - Financial planni - Personal financ - Tax concepts for Assignments and quizze Module 2: Time value of - Applying time value of - Applying time value of - Assessing, man Assignments and quizze Midterm exam (LO 1–) Module 3: Comprehensi - Personal loans	t and Topics o personal financial statement or financial plars (LO 1–2) money and creature of money and set (LO 2–3) we personal financial plars (LO 2–3)	Assignments: Lab work: Other: notial planning & induction nning edit curing your credit	10% %	Field experience:	%	Shop work:	%
Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to Financial planni Personal financ Tax concepts for Assignments and quizzee Module 2: Time value of Applying time vo Assessing, man Assignments and quizzee Midterm exam (LO 1–) Module 3: Comprehensi Personal loans Purchasing & fin	t and Topics o personal financial statement or financial plars (LO 1–2) money and creature of money and series (LO 2–3) ve personal firmancing a home	Assignments: Lab work: Other: notial planning & induction nning edit curing your credit mancial planning	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Metil Final exam: Quizzes/tests: Class attendance/partic Details (if necessary): Typical Course Conten Module 1: Introduction to Financial planni Personal financ Tax concepts for Assignments and quizze Module 2: Time value of Applying time value of Assessing, man Assignments and quizze Midterm exam (LO 1–) Module 3: Comprehensi Personal loans Purchasing & finance as prince	t and Topics o personal final statement or financial plans (LO 1–2) money and creature of money lagging, and sets (LO 2–3) ve personal firmancing a homotection for pe	Assignments: Lab work: Other: notial planning & induction nning edit curing your credit mancial planning e rsonal wealth	10% %	Field experience:	%	Shop work:	%
Typical Evaluation Metinal exam: Quizzes/tests: Class attendance/partice Details (if necessary): Typical Course Contental Module 1: Introduction to Personal finance Personal finance Tax concepts for Assignments and quizzes Module 2: Time value of Applying time vareasing, man Assignments and quizzes Midterm exam (LO 1–) Module 3: Comprehensial Personal loans Purchasing & finance as prince Insurance Insuran	t and Topics o personal final statement or financial plars (LO 1–2) money and creature of money lagging, and sets (LO 2–3) ve personal firmancing a homotection for pestocks, bonds,	Assignments: Lab work: Other: notial planning & induction nning edit curing your credit mancial planning e rsonal wealth and mutual funds	10% %	Field experience:	%	Shop work:	%

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	Memo for Course Changes
To:	
	m: Dr. Michael Maschek, Department Head (Economics)
	re: August 30, 2016
	oject: Proposal for revision of ECON 361
1.	Summary of changes (select all that apply):
	☐ Six-year review ☐ Number and/or course code
	☐ Credits and/or total hours
	□ Title
	☐ Calendar description
	☐ Prerequisites and/or co-requisites
	☐ Frequency of course offering
	☐ Learning outcomes
	□ Delivery methods and/or texts and resource materials□ PLAR options, grading system, and/or evaluation methods
	☐ Discontinuation of course
2.	Rationale for change:
	Local, national and global challenges relating to the distributional and environmental impacts of
	economic organization have brought economics and geography closer together. This course contains
	curriculum now considered applicable across programs in both geography and economics.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): N/A
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that
	program or programs? N/A
5.	Which program areas have been consulted about the change(s)?
	Geography and the Environment (GATE), College of Arts
6.	What consideration has been given to indigenizing the curriculum? Instructor will use real world
	examples and traditional ways of knowing to illustrate the ways that aboriginal use and knowledge in the economic world.
	If this course is not eligible for PLAR, explain why:

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- 8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?

N/A

10. Estimate of the typical costs for this course, including textbooks and other materials:

As per ECON 361

CWC comments and responses:

- Is the department open to expanding the prerequisites for Geography students, or are ECON 100 and 101 still necessary?
 - As part of the program review currently underway, the Economics Curriculum Committee is currently reviewing prerequisites of *all* its upper-level courses, including this one. It is likely that the requirement for ECON 101 will be dropped and "or instructor permission" will be added. However, in the meantime, students with sufficient quantitative backgrounds (such as those Geography students for whom ECON 361 is of interest) may attain instructor permission for entry into the course.
- This course is just past its review date of March 2016 (the outline notes March 2014, but that
 was before the review cycle was changed from four to six years). The Screening Subcommittee
 suggests that a review be completed at this time.
 - The department is currently in the process of its program review. As part of the review, all courses and the relationship between curriculum and program outcomes is being assessed. This course, along with many others, will be brought through the institutional review process following the completion of this review.

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ORIGINAL COURSE IMPLEMENTATION DATE: April 1992
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) March 2016

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: ECON 361		Numb	er of (Credits: 3 Course credit policy (10)	<u>5)</u>		
Course Full Title: Environmental Economics	;	·					
Course Short Title (if title exceeds 30 charact	ters):						
Faculty: Faculty of Social Sciences		Depai	rtment	(or program if no department): Economics		
Calendar Description:		u u					
This course explores the proper role of gover used to estimate the costs and benefits of en questions, including: What is the relationship What are the costs of climate change? Are w	vironmenta between e	l policies. ⁻ conomic gr	This fra owth a	mework will be used to evaluate	various applied policy		
Note: This course is offered as ECON 361 ar	nd GEOG 3	61. Studer	its may	take only one of these for credi	t.		
Prerequisites (or NONE): 45 university-level credits including E			cluding ECON 100 and ECON	101.			
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for additional credit) Transfe				Transfer Credit			
Former course code/number: Transfel				Transfer credit already exists:	⊠ Yes □ No		
Cross-listed with: GEOG 361				T (10 D) 10 D 10			
Equivalent course(s): GEOG 361					fer credit requested (OReg to submit to BCCAT):		
Note: Equivalent course(s) should be included in the way of a note that students with credit for the equivalents course for further credit.				Yes No (if yes, fill in tran Resubmit revised outline for art To find out how this course transfe	ticulation: Yes No		
Total Hours: 45				Special Topics			
Typical structure of instructional hours:				Will the course be offered with	different topics?		
Lecture hours		45	1	☐ Yes ☒ No	•		
Seminars/tutorials/workshops							
Laboratory hours			1	If yes, different lettered courses may be taken for credit:			
Field experience hours				☐ No ☐ Yes, repeat(s	s) Yes, no limit		
Experiential (practicum, internship, etc.)				Note: The specific topic will be reco	orded when offered.		
Online learning activities]	Maximum enrolment (for infor	mation only): 28		
Other contact hours:				maximam om om om on (i.e. iiiie.	mation only). 20		
	Total	45	1	Expected frequency of cours annually, every other year, etc.):			
Department / Program Head or Director: ∨	ladimir Dvo	racek		Date approved:	September 2016		
Faculty Council approval	idaiiiii Bvo	naoon —		Date approved:	September 2016		
Campus-Wide Consultation (CWC)				Date of posting:	December 9, 2016		
Dean/Associate VP: Jacqueline Nolte				Date approved:	September 2016		
Undergraduate Education Committee (UEC) approval					December 16, 2016		

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ECON 361

University of the Fraser Valley Official Undergraduate Course Outline

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Learning Outcomes

Upon successful completion of this course, students will be able to:

- Distinguish between levels of pollutants that have improved versus those which have deteriorated as industrialization has progressed;
- Use a production possibilities frontier model to explain different patterns of growth and environmental change;
- Assess basic analytical tools such as willingness-to-pay, the equimarginal principle, and the difference between total social value and marginal social value;
- Evaluate some of the measurement issues which arise in environmental policy;
- Compare and contrast concepts such as benefit-cost analysis, cost-effectiveness analysis and environment impact analysis;
- Select and adapt economic models to address key issues in environmental economics.

Prior Learning Assessment and Recognition (PLAR)			
Yes No, PLAR cannot be awarded for this course because			
Typical Instructional Methods (guest lecturers, presentations, online instruction, field to	rips, etc.; may va	ary at department's discre	etion)
Lectures will develop theories and apply them to problems in environmental economics problem solving. Formal analytic analysis and the economic intuition that underlies it a		extensive use of graphin	g and
Grading system: Letter Grades: ☐ Credit/No Credit: ☐ Labs to be scheduled in	ndependent of le	ecture hours: Yes N	o 🗌
NOTE: The following sections may vary by instructor. Please see course syllabu	s available fron	n the instructor.	
Typical Text(s) and Resource Materials (if more space is required, download Supplem	ental Texts and F	Resource Materials form)	
Author (surname, initials) Title (article, book, journal, etc.)	Current ed.	Publisher	Year
Tietenberg and Lewis Environmental Economics and Policy	\boxtimes	Pearson	2010
2.			
3.			

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

Typical Evaluation Methods and Weighting

Final exam:	30%	Assignments:	20%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	20%	Lab work:	%	Field experience:	%	Shop work:	%
Participation:	10%	Presentations:	20%	Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

- · Economics and the Environment, Nature of the Problem
- Analytical Models and Framework of Analysis
- Environmental Analysis
- Environmental Intervention Strategies and Associated Policy Issues
- Economics of Natural Resource Allocation Renewable and Non-renewable
- Economic Development and Sustainability
- Selected Issues/Applications

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ORIGINAL COURSE IMPLEMENTATION DATE:

September 2017

REVISED COURSE IMPLEMENTATION DATE:

COURSE TO BE REVIEWED: (six years after UEC approval)

March 2016

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE CROSS-LISTED COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: GEOG 361	N	lumber of	Credits: 3	Course credit policy (105)	
Course Full Title: Environmental Economic	s				
Course Short Title (if title exceeds 30 charac	cters):				
Faculty: Faculty of Social Sciences	D	Departmen	t (or prog	ram if no department):	Geography
Official Course Outline:					
This is a cross-listed course. Please refer to	ECON 361 for the	e official co	urse outlir	ne.	
Calendar Description:					
This course explores the proper role of gove used to estimate the costs and benefits of er questions, including: What is the relationship What are the costs of climate change? Are what we will be with the costs of climate change? Are will be with the costs of climate change? Are will be will be will be with the costs of climate change? Are will be	nvironmental polic b between econom ve running out of r	cies. This france nic growth a resources?	amework v and enviro	will be used to evaluate v inment quality? How mud	arious applied policy
Prerequisites (or NONE):	45 university-lev	el credits i	ncluding E	CON 100 and ECON 10	11.
Corequisites (if applicable, or NONE):					
Pre/corequisites (if applicable, or NONE):					
Equivalent Courses (cannot be taken for add	ditional credit)		Transfe	Credit	
Former course code/number:			Transfer	credit already exists: $igtimes$	Yes No
Cross-listed with: ECON 361			Transfer	credit requested (OReg	to submit to BCCAT):
Equivalent course(s): ECON 361				☐ No (if yes, fill in transfe	,
Note: Equivalent course(s) should be included in t way of a note that students with credit for the equi					·
this course for further credit.	()			t revised outline for artic	
			To find ou	t how this course transfers,	see <u>bctransferguide.ca</u> .
Department / Program Head or Director: S	Steven Marsh			Date approved:	September 2016
Faculty Council approval				Date approved:	September 2016
Campus-Wide Consultation (CWC)				Date of posting:	December 9, 2016
Dean/Associate VP: Jacqueline Nolte				Date approved:	September 2016
Undergraduate Education Committee (UE	C) approval			Date of meeting:	December 16, 2016

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	Memo for Course Changes
Го	: Rachel Letkeman, Alisa Webb, Michael Maschek
r	om: Steven Marsh, Department Head Geography and the Environment
)a	te: September 7, 2016
Su	bject: Proposal for revision of GEOG 242
1.	Summary of changes (select all that apply): Six-year review Number and/or course code Credits and/or total hours Title Calendar description Prerequisites and/or co-requisites Frequency of course offering Learning outcomes Delivery methods and/or texts and resource materials PLAR options, grading system, and/or evaluation methods Discontinuation of course Other – Please specify: Cross-listing
	Local, national and global challenges relating to the distributional and environmental impacts of economic organization have brought economics and geography closer together. This course contains curriculum now considered applicable across programs in both geography and economics. Other first year human geography courses have been added as well as an agriculture class as a prereq, as well two first year ECON classes are now prereqs.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): Learning outcomes have been changed to more directly align with both GATE and ECON learning outcomes.
l.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? N/A
5.	Which program areas have been consulted about the change(s)?
	Economics, Faculty of Social Science, College of Arts

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- 6. What consideration has been given to indigenizing the curriculum? Instructor will use real world examples and traditional ways of knowing to illustrate the ways that aboriginal use and knowledge in the economic world.
- 7. If this course is not eligible for PLAR, explain why:
- 8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?
- 10. Estimate of the typical costs for this course, including textbooks and other materials: Textbook approximately \$120

COURSE OUTLINES Page 16 of 171



ORIGINAL COURSE IMPLEMENTATION DATE: September 1993
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) June 2018

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: GEOG 242		Numb	er of	Credits: 3	Course credit policy (105)	<u> </u>	
Course Full Title: Economic Geography		l .					
Course Short Title (if title exceeds 30 characteristics)	ters):						
Faculty: Faculty of Social Sciences		Depar	tmen	t (or prog	ram if no department):	GATE	
Calendar Description:							
Concepts and methods of economic geogral energy, manufacturing, and services in the cinequality, and of firm location decisions.							
Note: This course is offered as GEOG 242 a	nd ECON 24	12. Studen	its ma	y take only	y one of these for credit		
Prerequisites (or NONE):	One of the or GEOG 1		AGRI	142, BUS	6 100, ECON 100, ECON	N 101, GDS 100, GEOG 111,	
Corequisites (if applicable, or NONE):	Corequisites (if applicable, or NONE): None						
Pre/corequisites (if applicable, or NONE): None							
Equivalent Courses (cannot be taken for additional credit) Transfe			Transfe	ransfer Credit			
Former course code/number:			Transfer credit already exists: ☐ Yes ☐ No				
Cross-listed with: ECON 242				Transfer eredit requested (OBest to submit to PCCAT):			
Equivalent course(s): ECON 242				Transfer credit requested (OReg to submit to BCCAT): ☐ Yes ☐ No (if yes, fill in transfer credit form)			
Note: Equivalent course(s) should be included in a way of a note that students with credit for the equithis course for further credit.				Resubm	it revised outline for artic	culation: Yes No , see bctransferguide.ca.	
Total Hours: 45				Special	Topics		
Typical structure of instructional hours:				Will the	course be offered with d	ifferent topics?	
Lecture hours		25	1	☐ Yes ☐ No If yes, different lettered courses may be taken for credit: ☐ No ☐ Yes, repeat(s) ☐ Yes, no limit			
Seminars/tutorials/workshops		20					
Laboratory hours							
Field experience hours					res, repear(s)	☐ fes, no iimit	
Experiential (practicum, internship, etc.)				Note: The	e specific topic will be recor	ded when offered.	
Online learning activities				Maximu	m enrolment (for inform	nation only): 36	
Other contact hours:				Muximu		idion only).	
	Total	45]		d frequency of course every other year, etc.): a	offerings (every semester, nnually	
Department / Program Head or Director: [Dr. Michelle F	Rhodes			Date approved:	September 2016	
Faculty Council approval					Date approved:	September 2016	
Campus-Wide Consultation (CWC)					Date of posting:	October 14, 2016	
Dean/Associate VP: Dr. Jacqueline Nolte					Date approved:	September 2016	
Undergraduate Education Committee (UE	C) approval				Date of meeting:	December 16, 2016	

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GEOG 242 University of the Fraser Valley Official Undergraduate Course Outline Page 2 of 2 **Learning Outcomes** Upon successful completion of this course, students will be able to: Apply core economic geography concepts and theory to case study research and current events. Provide written analysis of spatial decision-making by labour, firms, and other economic institutions. 3. Identify the ways in which value is added to commodities, and what this entails for how resource-dependent regions develop. Generate argument with regard to the relative value of locations, innovation, and networks in a global economy. Collaborate with peers to manage tasks and generate an original project. Prior Learning Assessment and Recognition (PLAR) ☐ No, PLAR cannot be awarded for this course because Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion) Problem-based learning in conjunction with lecture and course discussion. Grading system: Letter Grades: ☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes No NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor. Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form) Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher Year Hayter. R., and J. 1. Economic Geography: An Institutional Approach (2e) \boxtimes Oxford 2015 Patchell, 2. 3. 4. 5. Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.) Typical Evaluation Methods and Weighting Practicum: Final exam: Assignments: % Midterm exam: % % Quizzes/tests: % Lab work: % Field experience: % Shop work: % 100% Class Presentation: % Other: % Other: % Total: Details (if necessary): Short Essays (4-5):30% Quizzes: 20% Group Project: Proposal: (5%) Rough Draft (10%) Presentation: (10%) Final Development strategy: (15%) Reflection: 10% **Typical Course Content and Topics** Week 1: Introduction to Course: Capitalism, Space, and Spatial Fixity Week 2: Cities from Scratch: What instant cities tell us about spatial decision-making Week 3: Capitalism and Markets: Geographies of Innovation and Inequality Week 4: Innovation, Competitive Advantage, and Competitive Places: Labour Markets Week 5: Business Location and Location Theory Week 6: Government and NGOs as Actors and Influencers Week 7: The Diffusion and Development of Basic Activities: Manufacturing and Services Week 8: Non-Basic Activities in the Post-Industrial Economy Week 9: Transportation and Telecommunications: The Arteries of Commerce Week 10: Urban Planning Week 11 and 12: Rural Development Resources: Global Commodities Production and Trade

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Week 13: Presentations



ORIGINAL COURSE IMPLEMENTATION DATE:

September 2017

REVISED COURSE IMPLEMENTATION DATE:

COURSE TO BE REVIEWED: (six years after UEC approval)

June 2018

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE CROSS-LISTED COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: ECON 242 Number of Credits:		Credits: 3	3 Course credit policy (105)		
Course Full Title: Economic Geography Course Short Title (if title exceeds 30 character)	cters):				
Faculty: Faculty of Social Sciences		Departmen	nt (or prog	ram if no department):	Economics
Official Course Outline:					
This is a cross-listed course. Please refer to	GEOG 242 for	the official co	ourse outlin	ne.	
Calendar Description:					
Concepts and methods of economic geogral energy, manufacturing, and services in the clinequality, and of firm location decisions. Note: This course is offered as GEOG 242 at	apitalist econor	my. Ädditiona	al consider	ation of geographies of i	nnovations, competition, and
Prerequisites (or NONE):		One of the following: AGRI 142, BUS 100, ECON 100, ECON 101, GDS 100, GEOG 111, or GEOG 140.			
Corequisites (if applicable, or NONE):	None				
Pre/corequisites (if applicable, or NONE):	None				
Equivalent Courses (cannot be taken for add	ditional credit)		Transfe	Credit	
Former course code/number:			Transfer	credit already exists:	Yes □ No
Cross-listed with: GEOG 242			T		to endered to DOCATA
Equivalent course(s): GEOG 242				credit requested (OReg	,
Note: Equivalent course(s) should be included in a way of a note that students with credit for the equi			□ res	☐ NO (II yes, IIII III transi	er credit form)
this course for further credit.	valerii course(s)	carriot take	Resubm	t revised outline for artic	ulation: Yes No
			To find ou	t how this course transfers,	see <u>bctransferguide.ca</u> .
Department / Program Head or Director: [Dr. Michael Mas	schek	•	Date approved:	September 1, 2016
Faculty Council approval				Date approved:	September 2016
Campus-Wide Consultation (CWC)				Date of posting:	October 14, 2016
Dean/Associate VP: Dr. Jacqueline Nolte				Date approved:	September 2016
Undergraduate Education Committee (UE	C) approval			Date of meeting:	December 16, 2016

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	Memo for Course Changes
o:	Alisa Webb, Associate Dean College of Arts, Chair College of Arts Curriculum Committee
Cc:	Lisa Matty, Committee Assistant (Auxiliary), Amanda Grimson, UEC Assistant
rom	: Steven Marsh, Department Head
ate:	2016 August
ubje	ct: Proposal for revision of GEOGRAPHY 440
	ummary of changes (select all that apply): Six-year review Number and/or course code Credits and/or total hours Title Calendar description Prerequisites and/or co-requisites Frequency of course offering Learning outcomes Delivery methods and/or texts and resource materials PLAR options, grading system, and/or evaluation methods Discontinuation of course Other – Please specify: Sample content and texts
rima	This course was due for its 6-year review, and is now being delivered by multiple instructors, arily through independent studies. The changes reflect the broadening of the course to new s (and student audiences); new sample content and text references are included. The pre-requisites have been updated because: 1) the old pre-requisites reflect a program
o stu	ture that has changed (e.g. GEOG 343 is no longer offered), and 2) the topics offered may appeal idents outside Geography. Students with upper-level standing and some background in the Social ces and/or Business should be well prepared for this course.
0	there are substantial changes to the learning outcomes, explain how they align with the learning utcomes of the program(s): The language of the learning outcomes has been updated to include outcomes that can be valuated after the course has concluded.
	this course required by any program beyond the discipline? If so, how will this change affect that rogram or programs?

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5. Which program areas have been consulted about the change(s)?

None

6. What consideration has been given to indigenizing the curriculum?

The course is offered as special topics, and as such, the degree to which is the course Indigenized would be topic-dependent. For instance, a special topics course on Canada's housing policy would deal with Aboriginal housing needs and policy, while a course on 'Big Box' retail is less likely to integrate content or research involving Indigenous peoples.

- 7. If this course is not eligible for PLAR, explain why: N/A
- 8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)

No changes in these areas

9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?

Self-funded (all are local)

10. Estimate of the typical costs for this course, including textbooks and other materials:

\$50-\$80

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ORIGINAL COURSE IMPLEMENTATION DATE: September 2010
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: GEOG 440			Number of Credits: 4 Course credit policy (105)				
Course Full Title: Advanced Research Top	oics in Urbar	Geography	у				
Course Short Title (if title exceeds 30 chara	cters): Adv.	Urban Geo	graphy				
Faculty: Faculty of Social Sciences		Depar	tment (or pr	ogram if no department)	: GATE		
Calendar Description:		I					
Advanced research and analysis on a speci the semester prior to the start of the course.		rban geogra	aphy. The top	oic selected by the course	instructor will be publicized in		
325/SOC 325, or (60 univ Anthropology, Business, H				vel credits including at leas Sociology, or Political Scie the following: 60 universit	y-level credits, including at		
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Former course code/number: Cross-listed with: Equivalent course(s): Note: Equivalent course(s) should be included in way of a note that students with credit for the equities course for further credit.			Trans ☑ Ye	fer credit already exists: fer credit requested (OReges	g to submit to BCCAT): fer credit form) culation: ⊠ Yes □ No		
Total Hours: 60			Spec	ial Topics			
Typical structure of instructional hours:			Will th	ne course be offered with o	lifferent topics?		
Lecture hours		20	⊠ Ye	⊠ Yes □ No			
Seminars/tutorials/workshops		20	If ves	, different lettered courses	may be taken for credit:		
Laboratory hours		4.0	,		Yes, no limit		
Field experience hours		10	N/-/-				
Experiential (practicum, internship, etc.) Online learning activities		10	Note:	Note: The specific topic will be recorded when offered.			
Other contact hours:		10	Maxii	num enrolment (for inforr	nation only): 28		
Cite contact neare.	Total	60		cted frequency of course ally, every other year, etc.):	e offerings (every semester, every other year		
Department / Program Head or Director:	Steve Marsh	า		Date approved:	November 2016		
Faculty Council approval				Date approved:	November 2016		
Campus-Wide Consultation (CWC)				Date of posting:	December 9, 2016		
Dean/Associate VP: Jacqueline Nolte				Date approved:	November 2016		
	Undergraduate Education Committee (UEC) approval						

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GEOG 440

University of the Fraser Valley Official Undergraduate Course Outline

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Learning Outcomes

Upon successful completion of this course, students will be able to:

- Provide advanced written explanation of the substance of the special topic and its place within, and relevance to, urban geography.
- Critically apply the geographer's approach to the topic, with particular emphasis on the methods of urban geographic analysis.
- Effectively utilize field and library research techniques in urban geography.
- Integrate relevant literature into a major research project,
- · Persuasively discuss central course themes and concepts.

Prior Learning Assessment and Recognition (PLAR)

Grading system: Letter Grades:
☐ Credit/No Credit: ☐

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

GEOG 440 is primarily an advanced lecture, seminar, and research methods course. Students will be expected to read a sizable portion of the course reading list, critically research, assess and summarize material, and present reflections and conclusions in class. Depending on course content, fieldwork will likely be expected.

Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Тур	Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)								
	Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher Yea								
Fo	r a section on Canadian H	Housing or Housing Policy, texts may include							
1.	Ennals, Peter and D. W. Holdsworth	Homeplace: The making of the Canadian dwelling over three centuries	e Canadian dwelling over University of Toront		2011				
2.	Pomeroy, S.		National Aboriginal Housing Association	2009					
Fo	r a section on Big Box Sto	ores and the Retail Landscape (GEOG 440d), texts may includ	de:						
3.	EIU	Retail 2022: How the Economic Intelligence Unit Sees the Retail Landscape Changing over the Next Decade		The Economist	2012				
4.	Ruane, J	Ruane, J Introducing Social Research Methods: Essentials for Getting the Edge Wiley		Wiley	2016				
5.	Parachuri, J, et al	The Wal-Mart Effect: Wave of Destruction or Creative Destruction?		Economic Geography	2009				

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

There may be mandatory field trips with additional fees. Details are available on Geography website and the course outlines distributed in class

Typical Evaluation Methods and Weighting

Fina	al exam:	%	Assignments:	%	Midterm exam:	20%	Practicum:	%
Quiz	zzes/tests:	%	Lab work:	%	Data Collection (Field) :	15%	Ethics Exercise:	10%
Res	earch Report or Poste	r: 0%	Research Presentation:	10%	Seminar Discussion:	15%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

Sample outline for Geography of Housing:

Week 1: Historical context: an overview of shelter in post-colonial North America.

Week 2: Theoretical perspectives on the urban geography of housing: the political economy of housing.

Week 3: Origins of housing as a "commodity": forms of housing consumption.

Week 4: Housing policy (a): the federal role.

Week 5: Housing policy (b): the provincial/state and municipal roles.

Week 6: Aboriginal Housing Policy

Week 7: How do houses get built in North America? The construction sector.

Week 8: Architecture and design: (a) the Arts and Crafts bungalow; Architecture and design: (b) mid-century modern.

Week 9: Meaning and operation of the housing "market".

Week 10: Non-market approaches to housing.

Weeks 11-12: Current trends and alternatives in residential design.

Weeks 12-13: Presentations

Sample outline for Urban Policy:

Weeks 1-3: An introduction to the study of the selected topic within the context of urban geography; key concepts, theories, and methodologies; current debates in the literature.

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GEOG 440	University of the Fraser Valley Official Undergraduate Course Outline Page 3 of 3
Weeks 4-5:	Role of the selected topic in the history and current context of the North American city.
Weeks 6-7:	Urban policy responses to issues related to the selected topic.
Weeks 8-9:	Local applications related to the selected topic – focus on the urban form of the Vancouver urban region, including Abbotsford, Mission, and Chilliwack.
Weeks 10-12:	Additional research perspectives and application of selected topic in the field; urban site visits.
Week 13:	Presentation of term research projects.
Sample outline	e for Socio-Spatial Impact of Big Box Stores:
Week 1:	Course format, expectations, and evaluation; introduction to retail geography as sub-discipline
Weeks 2-3:	Retail landscapes and globalizing forces: evolution, analysis, and change; Literature review—development and techniques
Weeks 3-4:	Mapping the lower mainland's retail geographies; Ethics in urban geography research; developing a question and conducting a research ethics review
Weeks 5-6:	Field work and data analysis in retail geography—methods and outputs; research design
Weeks 7-8:	The Post-2008 Expansion of American retailers (Target, Lowe's, Cabelas, etc.) into the lower mainland; Big Box on-lin Amazon's footprints in retail geographies and small community development (field trip: Sumas, WA).
Weeks 9-10:	The other landscape of retail consumption: the home space as 'big box' (renovations, storage, design); data evaluation (workshop critique)
Weeks 11-13:	Presentation of term projects; Self-evaluation of research process; Communicating one's findings to multiple audience

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	Memo for Course Changes
To:	College of Arts Curriculum Committee, UEC
Fro	m: Hilary Turner (Chair, Department of English)
Dat	te: 27 April 2016
Suk	oject: Proposal for revision of <u>ENGL 210</u>
1.	Summary of changes (select all that apply):
	☐ Number and/or course code
	☐ Credits and/or total hours
	□ Title □
	☐ Calendar description
	☑ Prerequisites and/or co-requisites☐ Frequency of course offering
	 ☑ Learning outcomes
	 ☑ Delivery methods and/or texts and resource materials
	□ PLAR options, grading system, and/or evaluation methods
	☐ Discontinuation of course
	☐ Other – Please specify:
2.	Rationale for change: Six-year revision. In process of revising the course, changes have been made
	to the course title, calendar description, delivery methods and learning outcomes, and updates
	have been made to the prerequisites and list of recommended texts/ resource materials.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):
	Learning outcomes (LOs) for the course have, in general, been updated, revised and expanded
	from the previous iteration. One departmental LO for second-year English courses is to "create an
	awareness of theoretical perspectives" something that is now emphasized in learning outcome #3
	for ENGL 210, which notes that students will be introduced to different critical approaches to
	writing and composition. Other relevant departmental outcomes are for students to be able to "make connections among several texts" and to "sustain a written argument of at least 1750
	words" on a literary text. As indicated by learnings outcomes #1 and #2, Students in ENGL 210 will
	not only be cultivating skills in drawing connections between texts and in writing sustained
	arguments, but they will be taught how to apply these skills to both literary and non-literary
	essays, as well as in academic and non-academic writing contexts.
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? N/A
5.	Which program areas have been consulted about the change(s)? N/A

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- 6. What consideration has been given to indigenizing the curriculum? One focus of ENGL 210 will be on the social value of essay writing alongside related non-fiction prose genres as a tool for empowerment and change. In this context, effort has been made to incorporate Indigenous voices and issues in the reading list, course content and assignments as exemplary samples of writing that, in various ways, aspire to use language to impact audiences, challenge received values and beliefs, and effectuate change in the world. Suggested texts in the course readings now include: Arthur Manuel from Unsettling Canada; Chief Dan George "Lament for Confederation"; Mary Englund "School" (From her memoir of the Fraser Valley Residential School System); Thomas King from The Inconvenient Indian; and Neal McLeod "Cree Poetic Discourse"
- 7. If this course is not eligible for PLAR, explain why: N/A
- 8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: **N/A**
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? **N/A**
- 10. Estimate of the typical costs for this course, including textbooks and other materials: 75\$

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ORIGINAL COURSE IMPLEMENTATION DATE: June 1977

REVISED COURSE IMPLEMENTATION DATE: September 2017

COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Full Title: The Art of the Essay Course Short Title (if title exceeds 30 characters): Faculty: Faculty of Humanities Department (or program if no department): ENGL Calendar Description: Advanced methods, approaches and concepts of critical essay writing. Building on skills acquired in introductory writing courses, this course covers non-fiction prose genres, in both academic and non-academic contexts. Prerequisites (or NONE): One of the following: (two 100-level ENGL courses ENGL 105 or higher) or (B or better in ENGL 105) or (CMNS 125 and CMNS 251) or (CMNS 155 and CMNS 251). Note: As of January 2016, prerequisites will change to one of the following: (two 100-level ENGL 105 or higher) or (B or better in ENGL 105). Corequisites (if applicable, or NONE): NONE Pre/corequisites (if applicable, or NONE): NONE Pre/coreq	Note. The Oniversity rese		J					
Part	Course Code and Number: ENGL 210			mber of Credits: 3 Course credit policy (105)				
Paculty: Faculty of Humanities Department (or program if no department): ENGL	Course Full Title: The Art of the Essay							
Calendar Description: Advanced methods, approaches and concepts of critical essay writing. Building on skills acquired in introductory writing courses, this course covers non-fiction prose genres, in both academic and non-academic contexts. One of the following: (two 100-level ENGL courses ENGL 105 or higher) or (B or better in ENGL 105) or (CMNS 125 and CMNS 251). Note: As of January 2013, prerequisites will change to one of the following: (two 100-level ENGL courses ENGL 105 or higher) or (B or better in ENGL 105). Corequisites (if applicable, or NONE): NONE Pre/corequisites (if applicable, or NONE): NONE Equivalent Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: Equivalent course(s): Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take its course for further credit. Total Hours: 45 Typical structure of instructional hours: Lecture hours Semians/tutorials/workshops 20 Laboratory hours Field experience hours Online learning activities Online learning activities Other contact hours: Writing workshops, peer critique Total 45 Department / Program Head or Director: Hilary Turner Department / Program Head or Director: Hilary Turner Date approved: November 2016 Date approved: November 2016 Date approved: November 2016	Course Short Title (if title exceeds 30 charac	ters):						
Advanced methods, approaches and concepts of critical essay writing. Building on skills acquired in introductory writing courses, this course covers non-fiction prose genres, in both academic and non-academic contexts. Prerequisites (or NONE):	Faculty: Faculty of Humanities		Depai	rtmen	t (or prog	ram if no department):	ENGL	
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ENGL 105) or (CMMS 125 and CMNS 251) or (CMNS 155 and CMNS 251). Note: As of January 2018, prerequisites will change to one of the following: (two 100-level ENGL courses ENGL 105 or higher) or (B or better in ENGL 105). Corequisites (if applicable, or NONE): Pre/corequisites (if applicable, or NONE): NONE							uctory writing courses, this	
Pre/corequisites (if applicable, or NONE): NONE Equivalent Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: Equivalent course(s): Note: Equivalent course(s): Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit. Transfer credit already exists: ☑ Yes ☐ No Transfer credit already exists: ☑ Yes ☐ No Transfer credit requested (OReg to submit to BCCAT): ☑ Yes ☐ No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: ☑ Yes ☐ No To find out how this course transfers, see betransferguide.ca. Special Topics Will the course be offered with different topics? ☐ Yes ☑ No ☐ Yes, offerent lettered courses may be taken for credit: ☐ No ☐ Yes, repeat(s) ☐ Yes, no limit Note: The specific topic will be recorded when offered. Maximum enrolment (for information only): 26 Expected frequency of course offerings (every semester, annually, every other year, etc.): One section every two years Department / Program Head or Director: Hilary Turner Date approved: November 2016 Campus-Wide Consultation (CWC) Date of posting: December 9, 2016 Date approved: November 2016	Prerequisites (or NONE):	ENGL 105 January 20) or (CMN)18, prerec	S 125 quisite	and CMN s will char	S 251) or (CMNS 155 and a second contract to the second contract to	nd CMNS 251). Note: As of	
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Equivalent course(s): Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit. Resubmit revised outline for articulation: Yes No To find out how this course transfers, see bctransferquide.ca. Total Hours: 45 Special Topics Seminars/tutorials/workshops 20 Laboratory hours Special Topics Laboratory hours Yes No If yes, different lettered courses may be taken for credit: Note: The specific topic will be recorded when offered. Note: The specific topic will be recorded when offered. Maximum enrolment (for information only): 26 Expected frequency of course offerings (every semester, annually, every other year, etc.): One section every two years Department / Program Head or Director: Hilary Turner Date approved: November 2016 Campus-Wide Consultation (CWC) Date of posting: December 9, 2016 Date approved: November 2016 Date approved: Novemb	Cross-listed with:				Towarfor and literature to discount of the DOCAT's			
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Dean/Associate VP: Jacqueline Nolte Date approved: November 2016	Faculty Council approval					Date approved:	November 2016	
	Campus-Wide Consultation (CWC)					Date of posting:	December 9, 2016	
Undergraduate Education Committee (UEC) approval Date of meeting: December 16, 2016	Dean/Associate VP: Jacqueline Nolte					Date approved:	November 2016	
	Undergraduate Education Committee (UE	C) approva				Date of meeting:	December 16, 2016	

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ENGL 210

University of the Fraser Valley Official Undergraduate Course Outline

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Learn	ıng	Outc	ome
Upon	suc	cessf	ul cor

impletion of this course, students will be able to:

- Produce effective non-fiction genres, adapted to various audiences, contexts and aims.
- Apply critical and imaginative thinking to create, develop, propose, research, organize, draft, peer-review and revise writing projects.
- 3. Define and describe key concepts in and major scholarly approaches to writing and composition studies.
- Identify the markers of genre in course readings.
- 5. Identify, compare and employ distinct conventions, expectations and aims of academic and non-academic discourse.

Prior Learning	Assessment and	Recognition	(PLAR)
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☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion) Lectures, workshops, discussion, group and individual exercises

Grading system: Letter Grades:
☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes \quad No \times

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Ту	Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)							
	Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year			
1.	Giltrow, Janet (et al)	Academic Writing. 3rd ed.		Broadview Press	2014			
2.	Roberts, Tammy (et al)	The Broadview Anthology of Expository Prose		Broadview Press	2011			
3.	N/A	Coursepack with supplemental readings, including samples of writing from Indigenous authors (see samples in Typical Course Content below)		N/A	N/A			
4.								
5.								

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

Typical Evaluation Methods and Weighting

Final exam: 20%	Assignments:	75%	Midterm exam:	%	Practicum:	%
Quizzes/tests: %	Lab work:	%	Field experience:	%	Shop work:	%
Attendance/Participation: 5%	Other:	%	Other:	%	Total:	100%

Details (if necessary): Assignments will include essays and exercises.

Typical Course Content and Topics

Week 1 Introduction, course overview

Readings: James Trefil "Unexpected Vistas"; E.B. White "Once More to the Lake"

Week 2 Approaches to writing: classical, traditional, process, post-process

Readings: George Orwell "Politics and the English Language"; Strunk and White from Elements of Style; Giltrow,

Introduction; Steven Pinker from The Sense of Style

Assignment: Informal personal essay

Week 3 Genre theory and writing

Readings: Giltrow, Section I "Introducing Genre"; Frank Smith "Language: Written and Spoken"

Academic and non-academic writing Week 4

Readings: Giltrow, "Orchestrating Voices"; Bronwyn Williams "Home and Away: The Tensions of Community, Literacy, and Identity"; Peter Singer "Speciesism and the Equality of Animals"; Irene Pepperberg, "from Alex & Me: How a Scientist and a Parrot Uncovered a Hidden World of Animal Intelligence—and Formed a Deep Bond in the Process"

Assignment: Adapting to genre exercise

Week 5 Persuasion and argumentation 1 - rhetoric and critical reasoning

Readings: Aristotle from Rhetoric; Giltrow, Section 11 "Scholarly Styles: Messages about the Argument"; Douglas Brent "Rogerian Rhetoric- An Alternative to Traditional Argumentation"

Assignment: Short comparative rhetorical analysis

Week 6 Persuasion and argumentation 2 – writing for change

Readings: Arthur Manuel "from Unsettling Canada"; Chief Dan George "Lament for Confederation"; Mary Englund "School" (From her memoir of the Fraser Valley Residential School System); Excerpt from Thomas King's The Inconvenient Indian; Neal McLeod "Cree Poetic Discourse"

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ENGL 210 University of the Fraser Valley Official Undergraduate Course Outline

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Week 7 Pre-Writing, brainstorming, developing ideas

Reading: Tricia Smith "Process Writing"

Assignment: Non-academic argumentative essay

Week 8 Orchestrating research: summarizing, quoting, supporting with evidence

Readings: Giltrow, section 6 "Orchestrating Voices"

Assignment: Academic research essay proposal and bibliography

Week 9 Drafting, revising, editing

Assignment: Drafting workshop

Week 10 When the student becomes the teacher: writing, literacy and pedagogy Readings: E.D. Hirsch "Cultural Literacy"; Patrick Sullivan "The UnEssay"; Chris Anson "Teaching and Writing in a Culture

Week 11 Presenting works-in-progress
Assignment: Lightning presentations (5 minute oral/slideshow presentations of final essay project, followed by question

period)

Week 12 Revising, editing, peer-support
Assignments: Peer and instructor consultations; in-class writing workshop

Week 13 Submission, feedback, review

Assignments: Writing portfolio (including academic research essay, and a piece of non-scholarly writing)

COURSE OUTLINES Page 29 of 171

Memo for Course Changes ENGL 215 To: CACC, UEC From: Hilary Turner, Dept. of English Date: April 28, 2016 Subject: Proposal for revision of ENGL 215, Creative Writing: Creative Non-fiction 1. Summary of changes (select all that apply): x□Six-year review ☐ Number and/or course code ☐ Credits and/or total hours ☐ Title **X** □ Calendar description **X** Prerequisites and/or co-requisites ☐ Frequency of course offering x□ Learning outcomes x ☐ Delivery methods and/or texts and resource materials ☐ PLAR options, grading system, and/or evaluation methods ☐ Discontinuation of course ☐ Other – Please specify: 2. Rationale for change: Readings in the course have been updated for freshness and contemporaneity of material. 3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): As the course addresses Creative Non-fiction, a stronger element of attention to Orality/Spoken Word has been added to reflect vocational expectations of career positions in the professional field, and notably for indigenous cultural traditions. 4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? N/A 5. Which program areas have been consulted about the change(s)? N/A 6. What consideration has been given to indigenizing the curriculum? Readings from The Sasquatch at Home by Eden Robinson have been added. Additionally, see #3: a stronger element of attention to Orality/Spoken Word has been added to reflect indigenous cultural traditions, as well as shifting vocational expectations within the professional field. 7. If this course is not eligible for PLAR, explain why: N/A

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8.	If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: N/A
	a. Credit value
	b. Class size limit
	c. Frequency of offering
	d. Resources required (labs, equipment)
9.	Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? N/A
10.	Estimate of the typical costs for this course, including textbooks and other materials: \$50

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ORIGINAL COURSE IMPLEMENTATION DATE: January 2002

REVISED COURSE IMPLEMENTATION DATE: September 2017

COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: ENGL 215 Numbero			perof (f Credits: 3 Course credit policy (105)			
Course Full Title: Creative Writing: Creative	Non-Fictio	n					
Course Short Title(if title exceeds 30 characte	rs): Creati	ve Writing:	Non-l	Fiction			
Faculty: Faculty of Humanities		Depa	rtmen	t (or prog	ram if no department):	ENGL	
Calendar Description:		u .					
This workshop course offers a comprehensive memoir, nature writing, reviewing, personal es						such forms as travel writing,	
Prerequisites (or NONE):	Any two 1	00-level E	nglish	courses n	umbered ENGL 104 or h	igher.	
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for addi	tional cred	it)		Transfe	r Credit		
Former course code/number:				Transfer	credit already exists: ⊠	Yes 🗌 No	
Cross-listed with:				Tuanafau	are dit resulted (ODes	to authorit to DOCAT).	
Equivalent course(s):				Transfer credit requested (OReg to submit to BCCAT): ⊠ Yes □ No (if yes, fill in transfer credit form)			
Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.				Resubmit revised outline for articulation: Yes No To find out how this course transfers, see bctransferguide.ca.			
Total Hours: 45				Special			
Typical structure of instructional hours:					•	fferent tonics?	
Lecture hours		15	1	Will the course be offered with different topics? ☐ Yes ☒ No			
Seminars/tutorials/workshops		30	-				
Laboratory hours				If yes, different lettered courses may be taken for credit: No Yes, repeat(s) Yes, no limit Note: The specific topic will be recorded when offered. Maximum enrolment(for information only): 25			
Field experience hours			1				
Experiential (practicum, internship, etc.)							
Online learning activities							
Other contact hours: Workshops				Waxiiiu	in emonnentior monic	ation only). 25	
	Total	45			d frequency of course every other year, etc.): C	offerings (every semester, Once every 2-3 years	
Department / Program Head or Director:				<u>I</u>	Date approved:	November 2016	
Faculty Council approval					Date approved:	November 2016	
Campus-Wide Consultation (CWC)					Date of posting:	December 9, 2016	
Dean/Associate VP: Jacqueline Nolte					Date approved:	November 2016	
Undergraduate Education Committee (UEC) approval				Date of meeting:	December 16, 2016		

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ENGL 215

University of the Fraser Valley Official Undergraduate Course Outline

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Learning Outcomes

Upon successful completion of this course, students will be able to:

- Critically assess diverse forms of the Creative Non-fiction genres.
- · Use research and analysis in writing projects.
- Present orally to the class.
- Apply genre-specific writing techniques to individual writing projects.
- Demonstrate research, analytical, and writing skills.
- Critique and evaluate peer material in both workshop and take-home formats.
- Assemble a portfolio of written work.
- Use fact-checking, copy-editing, and substantive editing in writing projects.
- Edit and revise their work.

Drior	Lagraina	Assessment an	d Pacagnitian	(DI AD)
Prior	Learning	Assessment an	a Recounition	PLAR

☑ Yes ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)
Lecture, facilitated discussion, student-led discussion, workshop and small study group critiques, student oral presentations, individual writing portfolio projects.

Grading system: Letter Grades:
☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form) Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher Year Down In The Valley: Contemporary Writing from the Fraser \boxtimes T. Carolan, ed. **Fostasis Editions** 2004 Coursepack: may include: Ryszard Kapuscinski, Susan Moon, , Maxine Hong Kingston, Gary Snyder, Peter 2. Various Hudson, Jonathan Raban, Mayumi Oda, Paul Gauguin, Richard Bode,, John Updike, Hussein Samet, Red Pine, Rex Weyler, Phillip Lopate, Eden Robinson, Suzie Rotolo

Typical Evaluation Methods and Weighting

ı	,,							
	Final exam: %	Assignments:	70%	Midterm exam:	%	Practicum:	%	
	Quizzes/tests: %	Lab work:	%	Field experience:	%	Shop work:	%	
	Participation/ Peer reviewing: 15%	Tutorial:	15%	Other:	%	Total:	100%	

Typical Course Content and Topics

- Unit 1: Opening Up the Gates: Creative Non-fiction as evolution from personal essay and participatory journalism; clarifying workshop protocols. Rdgs: Ryszard Kapuscinski, "The Burning Roadblocks".
- Unit 2: Journalistic Storytelling with Style: Characteristics and methods; setting and place. Rdgs: Peter Hudson, "A Good Hotel".
- **Unit 3:** The Autobiographical Eye: narrative voice structure in memoir and "faction". Rdgs: Mayumi Oda, "I Opened the Gate Laughing"; Susan Moon "Wholeheartedness".
- Unit 4: Presenting and Illuminating Character. discursive, dramatic and contextual methods; motivation as metaphor. Rdg: Richard Bode, "Beachcombing at Miramar". Phillip Lopate, "On the Necessity of Turning Oneself into a Character".
- Unit 5: Journal Poetics and the Conditional Voice: speculation, dialogue and asking questions. Rdgs: Jonathan Raban; "Notes from the Road"; Paul Gauguin, Noa Noa.
- Unit 6: The Editorial Eye: fine-tuning the revision process; using multiple imaginary editors. Rdg: Allen Ginsberg, from Giving Up Poetry; Red Pine, "Dancing with the Dead".
- Unit 7: Deeper Into the Heart of Storytelling: dramatic situation and conflict; cinematic reconstruction techniques. Rdgs: Eden Robinson from The Sasquatch at Home.
- Unit 8: Cultivating the Creative Self: sharpening writer's intuition; crafting life experience into written accounts. Student tutorial presentations begin.
- Unit 9: To Market, To Market: freelancing mechanics and new editorial directions in the publishing industry; queries, copyright, contracts, digitizing. Rdgs: Selected readings from The New Yorker, The Walrus, SubTerrain, Pacific Rim Review of Books, London Review of Books, etc.
- Unit 10: The Deeper Loam: establishing relevance between the particular and universal. Rdgs: Maxine Hong Kingston, "No Name Woman" and "Toward a Book of Peace".
- **Unit 11:** The Gestures of Criticism: the art of the review; writing profiles. Rdgs: John Updike, "Andy Warhol's Fast Art"; John Carroll, "The Word, The Look, The Way: Another Side of Charles Bukowksi".
- Unit 12: The Nonfiction Frontier. genre cross-overs, advocacy, self-realization, Rdg. Sizie Rotolo, "A Freewheelin' Time".
- Unit 13: Workshop presentation and delivery of course portfolios.

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Memo for New Course

To: FSCC

From: Robin Endelman and David Chu, Department of Mathematics and Statistics

Date: May 5, 2016

Subject: Proposal for new course: MATH 123

1. Rationale for new course:

This course fills a need for a general quantitative literacy/numeracy requirement of the revised BA and BGS degrees.

2. How this new course fits into program(s):

Note: Adding this course to a program will usually require a program change request.

This course will supply an option for the Quantitative Literacy requirement for the BA and the Numeracy requirement for the BGS.

3. Explain how the course learning outcomes align with the learning outcomes of the program(s):

In this course, students will learn to explain and interpret quantitative information, draw conclusions from data, analyze data, and use quantitative data to support arguments and make predictions. All outcomes support the Foundational Skills requirements for the BA and the Core Competencies for the BGS.

4. Will this course be required by any program beyond the discipline? If so, how will this course affect that program or programs?

This course will satisfy the Quantitative Literacy requirement for the revised BA Foundation Skills as well as the Numeracy requirement for the BGS Core Competencies.

5. Which program areas have been consulted about the course?

We have consulted with Alisa Webb (Associate Dean of Students, College of Arts) with regard to the BA and Michelle Rhodes (Chair, General Studies Program Committee) for the BGS.

6. If a new discipline designation is required, explain why:

n/a

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7. What consideration has been given to indigenizing the curriculum?

The course is naturally presented in 'modules', which is a format common in indigenous education. Furthermore, via the optional essay and presentation, students can choose to investigate and present on indigenous mathematics.

8. If this course is not eligible for PLAR, explain why:

n/a

- 9. Explain how each of the following will affect the budget for your area or any other area:
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)

After consulting with Arts, General Studies, and the Dean of Science, due to the nature of the course (the breadth of topics) and the audience (wide range of majors), the class size limit for this 3-credit class has been set at 28. This will accommodate the BA and BGS goals for retention, our need for some (2-4) classes in computer labs, and the goal of student investigative study with essay and presentation. We anticipate this to be a multi-section course offering every year.

10. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?

n/a

11. Estimate of the typical costs for this course, including textbooks and other materials:

\$80 textbook; \$100 graphing calculator (most students will already have an appropriate calculator)

CWC comments and responses:

Should course title spell out "Mathematics and Statistics"?

No, "Everyday Math and Stats" was chosen to be less formal, and a bit lighter in tone

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Are these prerequisites necessary for success in the course?

Yes. The requirements are similar to those of STAT 104. While mathematical skills and techniques are not the main purpose of the course, there is a certain level of numeracy and/or academic maturity necessary to ensure that the student is able to relax and appreciate the content, rather than be constantly anxious that they can't understand and can't do what's asked.

• Calendar note indicates that students with MATH 105 cannot take this for credit; is this course considered equivalent to MATH 105? The equivalent courses section needs to be completed as well.

This course is not equivalent to MATH 105, since it does not attempt to teach students how to teach the material and share it with others. Those students who have taken MATH 105 before this course will have seen enough of the content that MATH 123 would not bring enough new material. Those who have MATH 123 before MATH 105 can still gain a lot from the pedagogical techniques in MATH 105. In fact, many students in MATH 105 struggle with the content and pace of the course, and finish the course with greater math anxiety than when they started. Perhaps they would benefit by taking this course first as a stepping stone.

Thus I don't believe any editing of the Equivalent Courses section is required.

• Learning outcomes: suggest reviewing outcomes with multiple verbs to see is a single verb can be chosen, and replacing "demonstrate an understanding of" with a demonstrable verb.

Please see attached outline. In some cases (Learning outcomes 1, 9, 11), the course designers felt that the mastery of one central learning outcome involved demonstrating proficiency in a few ways, so those LO's would not be better expressed with a single verb, nor by fragmenting them into several more atomic LO's.

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ORIGINAL COURSE IMPLEMENTATION DATE:

September 2017

REVISED COURSE IMPLEMENTATION DATE:

COURSE TO BE REVIEWED: (six years after UEC approval)

December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

	Number of	Number of Credits: 3				
Course Full Title: Everyday Math and Sta						
Course Short Title (if title exceeds 30 chara	acters):					
Faculty: Science		Departmen	nt (or program if no department): Math & Stats			
Calendar Description:						
Designed for Arts and General Studies studies statistics in daily life. Critical thinking, probledistribution, linear regression, personal final	em solving, r					
Note: Students with credit for MATH 105 ca	annot take th	is course for fu	ther credit.			
Prerequisites (or NONE):	Mathemati better in Ap Mathemati Mathemati	or better in one of Principles of Mathematics 11, Applications of D85, Foundations of Mathematics 11, or Pre-Calculus 11) or (B or and Workplace Mathematics 12) or (one of Foundations of Iculus 12, Principles of Mathematics 12, or Applications of MATH or STAT course numbered 094 or higher) or (45 ith department permission).				
Corequisites (if applicable, or NONE):						
Pre/corequisites (if applicable, or NONE):						
Equivalent Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: Equivalent course(s): Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot to this course for further credit.			Transfer Credit Transfer credit already exists: ☐ Yes ☐ No Transfer credit requested (OReg to submit to BCCAT): ☐ Yes ☐ No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: ☐ Yes ☐ No To find out how this course transfers, see bctransferguide.ca .			
way of a note that students with credit for the eq			Resubm	it revised outline for artic	ulation: Yes No	
way of a note that students with credit for the eq			Resubm	it revised outline for artic	ulation: Yes No	
way of a note that students with credit for the eq this course for further credit.	uivalent cours		Resubm To find ou	it revised outline for artic	eulation: Yes No See bctransferguide.ca.	
way of a note that students with credit for the eq this course for further credit. Total Hours: 45	uivalent cours		Resubm To find ou	it revised outline for artic at how this course transfers, Topics course be offered with di	ulation: Yes No see <u>bctransferguide.ca</u> .	
way of a note that students with credit for the equities course for further credit. Total Hours: 45 Typical structure of instructional hours: Lecture hours Seminars/tutorials/workshops	uivalent cours	e(s) cannot take	Resubm To find ou Special Will the o	it revised outline for artic at how this course transfers, Topics course be offered with di	rulation: Yes No see <u>bctransferguide.ca</u> . fferent topics?	
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way of a note that students with credit for the equities course for further credit. Total Hours: 45 Typical structure of instructional hours: Lecture hours Seminars/tutorials/workshops Laboratory hours Field experience hours Experiential (practicum, internship, etc.)	uivalent cours	e(s) cannot take	Resubm To find ou Special Will the o Yes If yes, di Note: The	it revised outline for article thow this course transfers, course be offered with diagnostic No. If yes, repeat(s) Yes especific topic will be record.	rulation: Yes No see bctransferguide.ca. fferent topics? may be taken for credit: es, no limit ded when offered.	
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way of a note that students with credit for the equities course for further credit. Total Hours: 45 Typical structure of instructional hours: Lecture hours Seminars/tutorials/workshops Laboratory hours Field experience hours Experiential (practicum, internship, etc.) Online learning activities	uivalent cours	e(s) cannot take	Resubm To find ou Special Will the ou Yes If yes, di Note: The Maximu Expecte	it revised outline for article thow this course transfers, Topics course be offered with di No fferent lettered courses r Yes, repeat(s) Yes specific topic will be record menrolment (for inform	rulation: Yes No see bctransferguide.ca. fferent topics? may be taken for credit: es, no limit ded when offered. ation only): 28 offerings (every semester,	
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way of a note that students with credit for the eq this course for further credit. Total Hours: 45 Typical structure of instructional hours: Lecture hours Seminars/tutorials/workshops Laboratory hours Field experience hours Experiential (practicum, internship, etc.) Online learning activities Other contact hours: Department / Program Head or Director: Faculty Council approval	Total	40 5	Resubm To find ou Special Will the ou Yes If yes, di Note: The Maximu Expecte	it revised outline for article thow this course transfers, Topics course be offered with di No Ifferent lettered courses r Yes, repeat(s) Y e specific topic will be record m enrolment (for inform d frequency of course every other year, etc.): a Date approved: Date approved:	rulation: Yes No see bctransferguide.ca. fferent topics? may be taken for credit: es, no limit ded when offered. ation only): 28 offerings (every semester, annually June 2016 June 2016	

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MATH 123 University of the Fraser Valley Official Undergraduate Course Outline Page 2 of 3 **Learning Outcomes** Upon successful completion of this course, students will be able to: Analyze arguments, test argument validity, and construct counterexamples to invalid arguments. Apply problem solving strategies. Estimate calculations to roughly judge the value of a quantity. Evaluate rates, proportions and percentages. 5. Model data with linear, quadratic, exponential, and logarithmic functions. Differentiate between basic geometric concepts (point, line, plane). Identify geometric measures (length, area, volume, angle). Calculate basic probabilities. Display, summarize, analyze and interpret statistical data. 10. Calculate descriptive statistics. 11. Find correlation and apply linear regression model to a given set of data. 12. Calculate simple and compound interest on investments. 13. Calculate present and future values of investments. 14. Calculate monthly payments, mortgages and loans. 15. Apply the above skills and tools to model real-world situations and phenomena to make predictions and sound decisions. Prior Learning Assessment and Recognition (PLAR) ☐ No, PLAR cannot be awarded for this course because Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion) Lectures, presentations, online text support; may be team-taught by a mathematician and statistician. Grading system: Letter Grades: ☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☒ NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor. Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form) Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher Year K. Denley & Viewing Life Mathematically: A Pathway to Quantitative \boxtimes Hawkes 2016 M. Hall J.I. Brown Mathematics for the Liberal Arts \boxtimes **CRC Press** 2015 3. 4. \Box Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.) Graphing calculator (eg, TI-84+), spreadsheet software (eg, Excel) Typical Evaluation Methods and Weighting 20% % Practicum: % Final exam 40% (or 30%) Assignments: Midterm exam: Quizzes/tests: 40% Lab work: % Field experience: % Shop work: % % % Presentations (opt'l) 0% (or 10%) Total: 100% Details (if necessary): Optional essay and presentations in lieu of a portion of the final exam weighting. In order to pass the course, a student must achieve 40% or higher on the final exam or on the portion of the grade generated by the final exam and the presentation. **Typical Course Content and Topics** 1. Critical thinking and problem solving thinking mathematically

- problem solving processes and techniques
- estimating and evaluating
- 2. Rates, ratios, proportions and percentages
 - rates and unit rates
 - proportions, ratios
 - absolute and percentage changes
 - unit conversions (egs: currency, mileage, weight)
- 3. Mathematics of growth: models and predictions
 - the language of functions

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MATH 123

University of the Fraser Valley Official Undergraduate Course Outline

Page 3 of 3

- linear growth
- quadratic models
- exponential growth
- logarithmic growth
- Everyday geometry:
 - lines, planes, angles
 - parallel and perpendicular lines
 - perimeters, areas, volumes
- 5. Probability and statistics:
 - collecting and displaying data with graphs and charts
 - describing and analyzing data
 - calculating means, medians, and standard deviations
 - calculate basic probabilities
 - the normal distribution
 - linear regression and correlations
- 6. Personal finance:
 - understanding personal finance
 - understanding simple and compound interest
 - savings and retirement funds
 - borrowing, mortgages and loans
- 7. As time permits, an optional topic to be chosen from the following:
 - sports statistics
 - graph theory (trees, matchings, networks)
 - number theory (prime numbers, modular arithmetic, cryptography)
 - mathematics in art (planar symmetries, tilings, isometries)
 - voting and social choice (fairness, apportionment, weighted voting systems)

Students will have an option to write an essay and give a presentation on an interesting topic of their choice. Some examples of topics related to issues in Mathematics or Statistics include:

- Mathematics in architecture
- Mathematics in art (sculpture, textiles, different geometries)
- Game theory (probability, expectation)
- Famous math problems (math in the news)
- Logic games
- Mathematics in nature (fractal geometry, crystals)
- Mathematics and music (harmonies, ratios, logarithms and musical intervals)
- Opinion polls (margin of error, 19 times out of 20)
- Design of experiments (placebo effect, double-blind tests)
- Indigenous mathematics (patterns in art and weaving, 8way math, drum making)

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	Memo for Course Changes
То	CACC, Alisa Webb, UEC
Fro	m: Shelley Stefan, Visual Arts Department Head
Da	e: September 6, 2016
Su	ject: Proposal for revision of AH 204 – Indigenous Art of the Northwest Coast
1.	Summary of changes (select all that apply): Six-year review Number and/or course code Credits and/or total hours Title Calendar description Prerequisites and/or co-requisites Frequency of course offering Learning outcomes Delivery methods and/or texts and resource materials PLAR options, grading system, and/or evaluation methods Discontinuation of course Other – Please specify:
2.	Rationale for change: a. to match calendar description and learning outcomes more closely with course content and to conform more accurately to the BA vetting criteria for intercultural engagement
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):
	 a. Any changes enhance and maintain alignment with the learning outcomes of the program.
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? N/A
5.	Which program areas have been consulted about the change(s)? N/A
6.	What consideration has been given to indigenizing the curriculum?
	a. This course explicitly engages in Indigenization by course content that examines the often fraught interaction between Indigenous and Settler cultures. This content is strongly supported by guest talks by Indigenous Elders, artists, and scholars, who help students gain an appreciation of Indigenous worldviews.
7.	If this course is not eligible for PLAR, explain why: N/A
8.	If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: N/A

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AGENDA ITEM # 3.6.

- b. Class size limit
- c. Frequency of offering
- d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? no
- 10. Estimate of the typical costs for this course, including textbooks and other materials:
 - a. UFV tuition
 - b. Textbook cost Approximately \$50

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ORIGINAL COURSE IMPLEMENTATION DATE: January 2014

REVISED COURSE IMPLEMENTATION DATE: September 2017

COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: AH 204	Numl	Number of Credits: 3 Course credit policy (105)					
Course Full Title: Indigenous Art of the Northy	vest Coas	st					
Course Short Title (if title exceeds 30 character	s): Indige	nous Art:	Northy	west Coast	i .		
Faculty: Faculty of Humanities		t (or prog	ram if no department):	Visual Arts			
Calendar Description:							
Students will consider how the art and visual cufunctioned in rituals and has been appropriated and integrated into globalized display cultures.							
Prerequisites (or NONE):	lone.						
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for addition	onal credi	it)		Transfe	Credit		
Former course code/number:				Transfer credit already exists: ⊠ Yes □ No			
Cross-listed with:				- ,			
Equivalent course(s):				Transfer credit requested (OReg to submit to BCCAT): Yes No (if yes, fill in transfer credit form)			
Note: Equivalent course(s) should be included in the							
way of a note that students with credit for the equival- this course for further credit.	ent course	(s) cannot i	take	Resubmit revised outline for articulation: Yes No			
and occurso for failules create.				To find out how this course transfers, see bctransferguide.ca.			
Total Hours: 45				Special	Topics		
Typical structure of instructional hours:				Will the	course be offered with d	ifferent topics?	
Lecture hours			1	☐ Yes ☐ No			
Seminars/tutorials/workshops		30	1	If yes di	fferent lettered courses	may be taken for credit:	
Laboratory hours				∏ No [Yes, no limit	
Field experience hours						☐ 163, 110 IIIIII	
Experiential (practicum, internship, etc.)				Note: The specific topic will be recorded when offered. Maximum enrolment (for information only): 36			
Online learning activities							
Student directed learning:		15			•	••	
	Total	45	<u>]</u>		d frequency of course every other year, etc.): E	offerings (every semester, Every two years	
Department / Program Head or Director: She	elley Stefa	an		I	Date approved:	September 6, 2016	
Faculty Council approval					Date approved:	September 2016	
Campus-Wide Consultation (CWC)					Date of posting:	November 11, 2016	
Dean/Associate VP:					Date approved:	September 2016	
Undergraduate Education Committee (UEC) approval							

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AH 204

University of the Fraser Valley Official Undergraduate Course Outline

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1	aarnina	Outcomes
L	_earming	Outcomes

Upon successful completion of this course, students will be able to:

- 1. Describe characteristics and meanings of the art and visual culture of the Northwest Coast
- 2. Use a specialized vocabulary to describe Indigenous artworks
- 3. Integrate specialized vocabulary with theoretical concepts from readings and lectures to facilitate critical thinking
- 4. Articulate the norms and biases of Settler cultures and their impacts on Indigenous peoples
- 5. Demonstrate improved skills in art historical research, discussions, exams, and written projects
- 6. Develop a deeper appreciation for the artworks, cultures, and worldviews of Indigenous peoples
- 7. Interpret intercultural engagement from both Indigenous and non-Indigenous perspectives

Prior Learning Assessment and Recognition (PLAR)							
	☐ No, PLAR cannot be awarded for this course because						
Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)							
Lectures, seminars, discussions, audio-visual materials, written assignments, guest talks by Indigenous elders, artists, and scholars.							
Grading s	ystem: Letter Grades: ☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐						

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Тур	Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)									
	Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher									
1.	See Attached									
2.										
3.										
4.										
5.										

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

Typical Evaluation Methods and Weighting

Final exam:	20%	Assignments:	20%	Midterm exam:	20%	Practicum:	%
Quizzes/tests:	%	Lab work:	%	Field experience:	%	Shop work:	%
Participation:	5%	Term Paper:	35%	Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

- Week 1: Contact, Colonization, and the Contemporary Canadian Context: An Introduction
- Week 2: Framing Northwest Coast Visual/Material Culture: The Case of the Totem Pole
- Week 3: Potlatch: The Censure of "Senseless Drumming and Dancing"
- Week 4: Northwest Coast Art Abroad: Projections, Appropriations, and Primitivist Fantasies
- Week 5: Northwest Coast Culture and the Construction of a Canadian Artistic Canon
- Week 6: Photography of and by Indigenous Peoples
- Week 7: Aggressive Civilization and the Re-education of Indigenous Children: The Indian Residential Schools
- Week 8: Indigenous Moderns: New Identities and Urban Realities
- Week 9: Indigenous Women Artists: Imposition of and Resistances to Colonial Regimes of Gender
- Week 10: Fetish Objects and Cultures of Display in the Museums of British Columbia
- Week 11: Repatriation and the Revival of Indigenous Cultures on the Northwest Coast
- Week 12: Northwest Coast Art in Film
- Week 13: Against the Grain: Contemporary Indigenous Artists

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	Memo for Course Changes
To	Alisa Webb, CACC, UEC
Fro	m: Shelley Stefan, Visual Arts department head
Da	te: September 6, 2016
	oject: Proposal for revision of FILM 120 World Cinema
	Summary of changes (select all that apply):
	 Six-year review
	☐ Number and/or course code
	☐ Credits and/or total hours
	☐ Title
	☐ Calendar description
	□ Prerequisites and/or co-requisites
	□ Frequency of course offering☑ Learning outcomes
	☐ Delivery methods and/or texts and resource materials
	□ PLAR options, grading system, and/or evaluation methods
	☐ Discontinuation of course
	☐ Other – Please specify:
2.	Rationale for change: The course description, learning outcomes, and course content were changed
	to make the course to reflect a global/world outlook rather than being Euro-centric.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): Changes made to reflect the course content
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that
٠.	program or programs? N/A
5.	Which program areas have been consulted about the change(s)? N/A
6.	What consideration has been given to indigenizing the curriculum?
	a. See Week 8 of the course content
7.	If this course is not eligible for PLAR, explain why: N/A
8.	If any of the following items on the official course outline have changed, explain how the change will
	affect the budget for your area or any other area: N/A
	a. Credit value
	b. Class size limit
	c. Frequency of offering
	d. Resources required (labs, equipment)
9.	Are field trips required for this course? (Field trip requirements must be announced in the

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AGENDA ITEM # 3.6.

1	0. Estimate of the typical costs for this course, including textbooks and other materials:
	a. UFV tuition
	b. Textbook cost – approximately \$50.00

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ORIGINAL COURSE IMPLEMENTATION DATE: January 1981

REVISED COURSE IMPLEMENTATION DATE: January 2017

COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: FILM 120		Number of Credits: 3 Course credit policy (105)					
Course Full Title: The History and Aesthetics of World Cinema							
Course Short Title (if title exceeds 30 characters	s): World	Cinema					
Faculty: Faculty of Humanities	(or prog	ram if no department):	: Visual Arts				
Calendar Description:		•					
An examination of developments in global ciner Various film styles, cultural contexts, and critica colonialism, and migration.							
Prerequisites (or NONE):	one						
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for addition	onal credit	:)		Transfer	Credit		
Former course code/number:		-		Transfer	credit already exists:] Yes □ No	
Cross-listed with:				Transfer credit requested (OReg to submit to BCCAT): Yes No (if yes, fill in transfer credit form)			
Equivalent course(s):							
Note: Equivalent course(s) should be included in the							
way of a note that students with credit for the equivale this course for further credit.	ent course	's) cannot ta	ike	Resubmit revised outline for articulation: Yes No			
				To find out how this course transfers, see bctransferguide.ca .			
Total Hours: 45				Special	Topics		
Typical structure of instructional hours:				Will the c	ourse be offered with d	ifferent topics?	
Lecture hours		25		☐ Yes ☒ No			
Seminars/tutorials/workshops				If yes dif	forent lettered courses	may be taken for credit:	
Laboratory hours						Yes, no limit	
Field experience hours						163, 110 minut	
Experiential (practicum, internship, etc.)				Note: The	specific topic will be recor	rded when offered.	
Online learning activities			Ī	Maximu	n enrolment (for inforn	nation only): 36	
Other contact hours: Film Screenings		20			•	• •	
	Total	45			d frequency of course every other year, etc.): /	e offerings (every semester , Annually	
Department / Program Head or Director: She	lley Stefa	n			Date approved:	August 24, 2016	
Faculty Council approval					Date approved:	September 2016	
Campus-Wide Consultation (CWC)					Date of posting:	November 11, 2016	
Dean/Associate VP: Jacqueline Nolte					Date approved:	September 2016	
Undergraduate Education Committee (UEC) approval							

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FILM 120

University of the Fraser Valley Official Undergraduate Course Outline

Page 2 of 2

Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1. Identify new cinematic forms and critical paradigms of World cinema.
- 2. Articulate the technical contributions of these major, global film cultures.
- 3. Identify the historical developments of film movements outside of North America and Western Europe.
- 4. Analyze various film styles in world cinema.
- 5. Research and write essays on cinematic topics, in relation to critical writing on transnationalism, globalization, new networks/markets/flows of capital, post-colonialism, and diaspora.

Prior Learning Assessment and Recognition (PLAR)

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)
Lecture, screening, group discussion, readings, written assignments.

Grading system: Letter Grades: ☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

Typical Evaluation Methods and Weighting

Final exam:	25%	Assignments:	%	Midterm exam:	20%	Practicum:	%
Quizzes/tests:	%	Lab work:	%	Field experience:	%	Shop work:	%
Essay:	30%	Written analysis:	15%	Attendance:	10%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

Week:

- 1. Introduction to Emerging Critical Paradigms of World Cinema
- 2. Bollywood, Transnational Cinema, and Recasting of the Imaginary Community of Nation
- 3. Post-coloniality and the Cinema of Algerian Resistance
- 4. Rewriting the Colonial Romance: Global Intimacies between Women
- 5. Japanese Art Cinema: Akira Kurosawa, Kenji Mizoguchi, Yasujiro Ozu,
- 6. Chinese Cinema in a World of Flows: The New Wave in the People's Republic of China
- 7. Diaspora and Film in Post-Civil War Lebanon
- 8. Indigenous Cinema and Negotiations with Mainstream Screen Culture
- 9. Cinema in Settler Societies: Confronting the Legacies of Empire and Colony
- 10. Peripheral Visions and Palestinian Film: (Re-)conceiving Identities and Histories.
- 11. Iranian New Wave: Abbas Kiarostami, Mohsen Makhmalbaf
- 12. Postcommunist cinema in Eastern Europe
- 13. Documenting Fugee Precarity: Bodies and Borders On-Screen

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	Memo for Course Changes
To	: CACC, Alisa Webb, Amanda Grimson
Frc	om: Shelley Stefan, Visual Arts Department Head
Da	te: Sept. 6, 2016
Sul	bject: Proposal for revision of VA 223 – Painting I
1.	Summary of changes (select all that apply): Six-year review Number and/or course code Credits and/or total hours Title Calendar description Prerequisites and/or co-requisites Frequency of course offering Learning outcomes Delivery methods and/or texts and resource materials PLAR options, grading system, and/or evaluation methods
2.	□ Discontinuation of course □ Other − Please specify: Rationale for change: As per recommendations of the external program review committee and action items prioritized by the VA Department in response to such recommendations, courses have been developed and approved in the Drawing discipline stream, set to run with healthy enrolment numbers this Fall '16. These course additions have allowed for the recommended separation of Drawing and Painting streams at lower levels, providing rationale for this change in course name and refinement of its learning outcomes.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): All changes in learning outcomes are a direct result of the shifts deemed necessary in order to meet the goals of the program review as it relates to separating and refining the Painting and Drawing streams at lower levels for further enrolments and healthy academic outcomes. These changes help streamline and enhance this academic area and are in alignment with the outcomes of the overall program.
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? NO
5.	Which program areas have been consulted about the change(s)? Not applicable
6.	What consideration has been given to indigenizing the curriculum? Students are exposed to Indigenous Artists in slide lectures and discussions and efforts are made to widen the visual arts academic canon. Students are encouraged to explore cultural sensitivities in a diverse range of areas.

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7.	. If this course is not eligible for PI	LAR, explain why: Not applicable
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- 8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: Not applicable
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? Not applicable
- 10. Estimate of the typical costs for this course, including textbooks and other materials: Not applicable

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ORIGINAL COURSE IMPLEMENTATION DATE: September 1992
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: VA 223 Number of Credits: 3			3 Course credit policy (105)		
Course Full Title: Painting I		•			
Course Short Title (if title exceeds 30 characteristics)	ters):				
Faculty: Faculty of Humanities		Departmen	nt (or prog	ram if no department):	Visual Arts
Calendar Description:					
Students are introduced to the fundamentals exposed to various principles and theories the					
Note: Students with credit for VA 123 canno	t take this cour	se for further	credit.		
Prerequisites (or NONE):	None.				
Corequisites (if applicable, or NONE):					
Pre/corequisites (if applicable, or NONE):					
Equivalent Courses (cannot be taken for ad	ditional credit)		Transfe	r Credit	
1 • • • • • • • • • • • • • • • • • • •			Transfer	credit already exists: 🛛	Yes No
Cross-listed with:			T (100 (100 AT)		
Equivalent course(s):			Transfer credit requested (OReg to submit to BCCAT): ⊠ Yes □ No (if yes, fill in transfer credit form)		
Note: Equivalent course(s) should be included in				☐ INO (If yes, fill in transf	er credit form)
way of a note that students with credit for the equations of a note that students with credit for the equations.	valent course(s)	cannot take	Resubm	it revised outline for artic	ulation: 🛛 Yes 🔲 No
			To find ou	ut how this course transfers	see bctransferguide.ca.
Total Hours: 60			Special	Topics	
Typical structure of instructional hours:			Will the	course be offered with di	fferent topics?
Lecture hours		10	☐ Yes ☐ No If yes, different lettered courses may be taken for credit: ☐ No ☐ Yes, repeat(s) ☐ Yes, no limit		
Seminars/tutorials/workshops		10			
Laboratory hours		40			
Field experience hours					163, 110 111111
Experiential (practicum, internship, etc.)			Note: The	e specific topic will be record	ded when offered.
Online learning activities			Maximu	m enrolment (for inform	ation only): 25
Other contact hours:				`	
	Total	60		ed frequency of course , every other year, etc.): A	offerings (every semester, nnually
Department / Program Head or Director: S	Shelley Stefan			Date approved:	August 24, 2016
Faculty Council approval				Date approved:	September 2016
Campus-Wide Consultation (CWC)				Date of posting:	November 11, 2016
Dean/Associate VP: Jacqueline Nolte				Date approved:	September 2016
Undergraduate Education Committee (UE	C) approval			Date of meeting:	December 16, 2016
·				1	

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VA 223	University of the Fraser Valley Official Undergraduate Course Outline	Page 2 of 3
Learnin	g Outcomes	
Upon su	ccessful completion of this course, students will be able to:	
1. 2. 3. 4. 5. 6. 7. 8. 9.	Identify the materials and equipment that are used to produce a painting (paints, brushes, canvas, supports, etc Demonstrate the processes associated with the materials used to produce a painting Describe the properties of paint (colour, palette, applications, etc.) complete paintings for presentation using a variety of techniques Articulate the basic vocabulary associated with producing a painting and critiquing visual imagery Describe essential concepts of painting composition and design Demonstrate an understanding of the analytical skills used in painting Utilize both traditional and contemporary processes of painting Source and use images ethically	.)
Prior Le	earning Assessment and Recognition (PLAR)	
Yes	☐ No, PLAR cannot be awarded for this course because	
Typical	Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's	discretion)
Lecture/s	slides, class critiques, technical exercises, painting/drawing assignments	
Grading	g system: Letter Grades: ☐ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes [☐ No 🖾
NOTE: 1	The following sections may vary by instructor. Please see course syllabus available from the instructor.	
Typical	Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials	form)
Auth	hor (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher	Year
1.		

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

NOTE: Supplies vary by instructor and are based on acrylics and water-based media. Students will be expected to supply all necessary painting materials and equipment, as is determined by the needs of their individual projects. All painting materials will be acrylic, ink, or latex-based (no oils or toxic materials).

- Art-Bin or Toolbox to carry materials
- Sketchbook 9 by 12-ish (in.) or larger
- Several sheets Bristol Board, 18"x24" (vellum or wet-friendly) OR
- 5-10 sheets Tag-board (Poster-board, Chipboard, or hard large card stock)
- Stretcher Bars, Canvas, and/or Panel
- Soft-Leaded Pencils, 6B, 9B
- Pencil Crayons or Coloured Chalks
- Kneaded Eraser
- Latex Paint (White and Black) Optional
- Acrylic Paints (at least Primaries [R/B/Y] plus White and Black)
- (Some good options → Cadmium Red, Alizarin Crimson, [reds]
- Cobalt Blue, Ultramarine Blue, Phthalo Blue, [blues]
- Cadmium Yellow, Hansa Yellow, [yellows]
- Titanium White, Ivory Black [b x w]
- Pencil Sharpener or X-acto Blade
- Brushes (flat, round, or filbert)(for Acrylic or Ink, size extra small to 2")
- House Painter's Brush 2"-3"
- Primer (Gesso) (gallon)
- Plastic Yogurt Containers (or other small plastic containers preferably with lids)
- Plastic or Foam Egg Cartons
- Palette (or Plastic Plates or other recycled palette forms)
- Glass Jar for Water
- 4 Large Bulldog Clips, Push Pins
- Roll of Painter's Masking tape, 2"-3"
- Rags (such as old white t-shirts, cut into pieces)

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VA 223

University of the Fraser Valley Official Undergraduate Course Outline

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Typical Evaluation Methods and Weighting

П								
	Final exam:	%	Assignments:	90%	Midterm exam:	%	Practicum:	%
	Quizzes/tests:	%	Lab work:	%	Field experience:	%	Shop work:	%
	Participation:	10%	Other:	%	Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

The course will cover value, contrast, volume, line, composition, balance, texture, contour, gesture, proportion, colour theory, image manipulation, experimentation, abstraction, narrative, concepts, as well as an investigation the form/content duality, personal expressivity, and selected theories on art. The course explores various painting techniques and fundamentals in materials and equipment. Technical skills will be enhanced, as will a furthered understanding of painting's experimental capacities as it pertains to contemporary art practice and discourse.

Schedules and syllabi vary by instructor.

Weeks 1-4 – Introduction, course description, policies, supplies, source material, demonstrations :palette, mixing, set-up, surface preparation, in-class object studies (monochromatic/polychromatic), independent projects

Weeks 5-6 - Slideshow of images, surface preparations, source material, painting from photo exercises, essay discussions

Weeks 7-8 - Still life painting exercises, in class and independent projects, midterm meetings

Weeks 9-10 – Abstraction painting, slideshows, surface preparations

Weeks 11-13 - Slideshow and discussions, idea painting preparation, research, painting, essays, critiques.

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	Memo for Course Changes
To	: CACC, Alisa Webb, Amanda Grimson
Frc	om: Shelley Stefan, Visual Arts Department Head
Da	te: Sept. 6, 2016
Sul	bject: Proposal for revision of VA 224 – Painting II
1.	Summary of changes (select all that apply): ☑ Six-year review ☐ Number and/or course code ☐ Credits and/or total hours ☑ Title
	 ☑ Calendar description ☑ Prerequisites and/or co-requisites ☐ Frequency of course offering ☑ Learning outcomes ☐ Delivery methods and/or texts and resource materials ☐ PLAR options, grading system, and/or evaluation methods ☐ Discontinuation of course ☐ Other – Please specify:
2.	Rationale for change: As per recommendations of the external program review committee and action items prioritized by the VA Department in response to such recommendations, courses have been developed and approved in the Drawing discipline stream, set to run with healthy enrolment numbers this Fall '16. These course additions have allowed for the recommended separation of Drawing and Painting streams at lower levels, providing rationale for this change in course name and refinement of its learning outcomes.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): All changes in learning outcomes are a direct result of the shifts deemed necessary in order to meet the goals of the program review as it relates to separating and refining the Painting and Drawing streams at lower levels for further enrolments and healthy academic outcomes. These changes help streamline and enhance this academic area and are in alignment with the outcomes of the overall program.
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? NO
5.	Which program areas have been consulted about the change(s)? Not applicable
6.	What consideration has been given to indigenizing the curriculum? Students are exposed to Indigenous Artists in slide lectures and discussions and efforts are made to widen the visual arts academic canon. Students are encouraged to explore cultural sensitivities in a diverse range of areas.

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7.	If this course	is not e	ligible for	PLAR. e	xplain wh	v: Not a	innlicable

- 8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: Not applicable
 - a. Credit value
 - b. Class size limit
 - c. Frequency of offering
 - d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? Not applicable
- 10. Estimate of the typical costs for this course, including textbooks and other materials: Not applicable

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ORIGINAL COURSE IMPLEMENTATION DATE: September 1999
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: VA 224 Number of Credits: 3				Course credit policy (105)			
Course Full Title: Painting II							
Course Short Title (if title exceeds 30 characters	s):						
Faculty: Faculty of Humanities		Depar	tmen	t (or prog	ram if no department):	Visual Arts	
Calendar Description:		·					
This course expands on the principles and pract expression, and experimentation. Students gain content.							
Note: Students with credit for VA 124 cannot take	ce this co	ourse for fu	rther o	credit.			
Prerequisites (or NONE):	A 223.						
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for additional credit) Transfe				Credit			
, , , , , , , , , , , , , , , , , , , ,				Transfer	credit already exists: ⊠	Yes □ No	
Cross-listed with:				Transfer credit requested (OReg to submit to BCCAT):			
Equivalent course(s):							
Note: Equivalent course(s) should be included in the o	calendar d	description b	У	⊠ Yes	☐ No (if yes, fill in transf	er credit form)	
way of a note that students with credit for the equivale this course for further credit.	ent course	e(s) cannot ta	ake	Resubmit revised outline for articulation: ⊠ Yes ☐ No			
uns course for further credit.				To find ou	It how this course transfers	, see bctransferguide.ca.	
Total Hours: 60				Special		· · · · · · · · · · · · · · · · · · ·	
Typical structure of instructional hours:					course be offered with d	ifferent topics?	
Lecture hours		10		☐ Yes ☒ No			
Seminars/tutorials/workshops		10		If you different lettered enumer may be taken for another			
Laboratory hours		40		If yes, different lettered courses may be taken for credit:			
Field experience hours				☐ No ☐ Yes, repeat(s) ☐ Yes, no limit			
Experiential (practicum, internship, etc.)				Note: The specific topic will be recorded when offered.			
Online learning activities				Mavimu	m enrolment (for inform	action only): 25	
Other contact hours:				Maxiillu		auon omyj. 20	
	Total	60				offerings (every semester,	
				annually,	every other year, etc.): A	nnually	
Department / Program Head or Director: She	lley Stefa	an			Date approved:	August 24, 2016	
Faculty Council approval					Date approved:	September 2016	
Campus-Wide Consultation (CWC)					Date of posting:	November 11, 2016	
Dean/Associate VP: Jacqueline Nolte					Date approved:	September 2016	
Undergraduate Education Committee (UEC) approval							

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VA 224

critiques

University of the Fraser Valley Official Undergraduate Course Outline

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1	aarnina	Outcomes
L	_earming	Outcomes

Upon successful completion of this course, students will be able to:

- Apply greater competence in the use of materials and equipment to produce a painting (paints, brushes, canvas, supports, etc.)
- 2. Create paintings using a variety of techniques
- 3. Demonstrate increased knowledge of the properties of paint (colour, palette, applications, etc.)
- Prepare and complete paintings for presentation
- 5. Articulate the formal and conceptual elements of a painting
- 6. Apply analytical skills in painting critiques
- 7. Utilize both traditional and contemporary processes of painting
- 8. Evaluate the historical and contemporary relevance of painting
- 9. Articulate an expanded vocabulary associated with painting and critiquing visual imagery
- 10. Source and use images ethically

Prior Learning Assessment	t and Recognitio	n (PLAR)
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☑ Yes ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)
Lectures, media presentations, in class exercises, independent projects, sketchbook work, demonstrations, readings, discussions, and

Grading system: Letter Grades: ⊠ Credit/No Credit: □ Labs to be scheduled independent of lecture hours: Yes □ No □

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form) Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher Year 1. 2. 3. 4. 5.

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

NOTE: Supplies vary by instructor and are based on acrylics and water-based media. Students will be expected to supply all necessary painting materials and equipment, as is determined by the needs of their individual projects. All painting materials will be acrylic, ink, or latex-based (no oils or toxic materials)

Typical Evaluation Methods and Weighting

Final exam:	%	Assignments:	90%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	%	Lab work:	%	Field experience:	%	Shop work:	%
Participation:	10%	Other:	%	Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

Six (6) projects, two (2) cultural logs, and one (1) response essay are to be completed in the duration of this course, in addition to 3 or more homework assignments. Various fundamentals within the painting discipline (as learned in VA 223) will continue to be investigated, as will the form/content duality, personal expressivity, and student comprehension regarding selected theories, perspectives, and movements in art. Technical skills will be enhanced, as will a furthered understanding of painting's experimental capacities as it pertains to contemporary art practice and discourse. In addition, students will gain practical experience in the building and preparation of artists' materials specific to the painting discipline.

Schedules and syllabi vary by instructor.

Weeks 1-4 – Introduction, course description, policies, supplies, source material, demonstrations :palette, mixing, set-up, surface preparation, in-class object studies (monochromatic/polychromatic), independent projects

Weeks 5-6 - Slideshow of images, surface preparations, source material, still life painting exercises, essay discussions

Weeks 7-8 – Self-portrait painting exercises, in class and independent projects, midterm meetings

Weeks 9-10 - Repetition painting, slideshows, surface preparations

Weeks 11-13 - Slideshow and discussions, final project preparation, research, painting, essays, critiques.

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	Memo for Course Changes
Го:	CACC, Alisa Webb, Amanda Grimson
rc	om: Shelley Stefan, Visual Arts Department Head
Da [.]	te: Sept. 6. 2016
Sul	bject: Proposal for revision of VA 321 – Painting/Drawing III
1.	Summary of changes (select all that apply): ⊠ Six-year review
	□ Number and/or course code
	☐ Credits and/or total hours
	☐ Title
	□ Calendar description
	□ Prerequisites and/or co-requisites □
	☐ Frequency of course offering
	☑ Learning outcomes☑ Delivery methods and/or texts and resource materials
	□ PLAR options, grading system, and/or evaluation methods
	☐ Discontinuation of course
	☐ Other – Please specify:
	Rationale for change: As per recommendations of the external program review committee and
	action items prioritized by the VA Department in response to such recommendations, new courses
	have been developed in Drawing and Figure Art. These course additions have allowed for new
	streamlined pathways into the 3 rd and 4 th level of Painting/Drawing. The changes reflect these new efficiencies.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning
	outcomes of the program(s): All changes improve the accuracy of the official course outline and are in alignment with the outcomes of the overall program.
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? NO
5.	Which program areas have been consulted about the change(s)? Not applicable
6.	What consideration has been given to indigenizing the curriculum? Students are exposed to
	Indigenous Artists in slide lectures and discussions and efforts are made to widen the visual arts academic canon. Students are encouraged to explore cultural sensitivities in a diverse range of areas.
7.	If this course is not eligible for PLAR, explain why: Not applicable
8.	If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: Not applicable
	a. Credit value

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- b. Class size limit
- c. Frequency of offering
- d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? Not applicable
- 10. Estimate of the typical costs for this course, including textbooks and other materials: Not applicable

CWC comments and response:

Due to changes in other courses, the title should be changed from "Painting/Drawing III".
 Suggest "Advanced Painting and Drawing I", with VA 322 retitled as "Advanced Painting and Drawing II".

The Painting/Drawing discipline has been bifurcated at lower levels to allow for expansion of lower level Drawing-focussed courses and lower level Painting-focussed courses. Upon reaching level 3, the discipline is conjoined again into one stream. Therefore, and after much consultation with faculty in this area, students, and in VAPC, it was determined that retaining the Painting/Drawing III and Painting/Drawing IV nomenclature at upper levels makes the most sense for students on this path's trajectory. It is in these upper levels that a continuation of level 1 and 2 takes place, hence keeping the terminology for a conjoined level 3 and 4. This decision makes the most sense to users in our department.

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ORIGINAL COURSE IMPLEMENTATION DATE: September 1992
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: VA 321 Number o			er of	of Credits: 3 Course credit policy (105)			
Course Full Title: Painting/Drawing III							
Course Short Title (if title exceeds 30 characters	s):						
Faculty: Faculty of Humanities		Depar	tmen	t (or prog	ram if no department):	Visual Arts	
Calendar Description:							
An advanced study of painting and drawing tech conceptual depth, as well as technical proficient with the instructor.							
Prerequisites (or NONE):	ne of the	e following:	VA 22	22, VA 224	4, or (VA 223 and VA 22	1).	
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for addition	onal cred	it)		Transfe	r Credit		
Former course code/number: FA 321		,			credit already exists:	Yes □ No	
Cross-listed with:							
Equivalent course(s):				Transfer credit requested (OReg to submit to BCCAT): ☐ Yes ☐ No (if yes, fill in transfer credit form)			
Note: Equivalent course(s) should be included in the	calendar d	description b	y				
way of a note that students with credit for the equivale this course for further credit.	ent course	e(s) cannot ta	ake	Resubmit revised outline for articulation: Yes No			
uns course for further credit.				To find out how this course transfers, see bctransferguide.ca.			
Total Hours: 60				Special	Topics	<u> </u>	
Typical structure of instructional hours:				•	course be offered with d	ifferent topics?	
Lecture hours		10]	☐ Yes ☑ No If yes, different lettered courses may be taken for credit:			
Seminars/tutorials/workshops		10	1				
Laboratory hours		40]	∏ No [Yes, no limit	
Field experience hours					res, repeat(s)	☐ 165, 110 IIIIII	
Experiential (practicum, internship, etc.)				Note: The	e specific topic will be recor	ded when offered.	
Online learning activities	Ţ			Maximu	m enrolment (for inform	nation only): 20	
Other contact hours:					•		
	Total	60			d frequency of course every other year, etc.): A	offerings (every semester	
				ailliually,	every other year, etc.). F	<u> </u>	
Department / Program Head or Director: She	lley Stefa	an			Date approved:	August 24, 2016	
Faculty Council approval					Date approved:	September 2016	
Campus-Wide Consultation (CWC)					Date of posting:	November 11, 2016	
Dean/Associate VP: Jacqueline Nolte					Date approved:	September 2016	
Undergraduate Education Committee (UEC) approval					Date of meeting:	December 16, 2016	

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VA 321

University of the Fraser Valley Official Undergraduate Course Outline

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Learni	na c	JUITO	COII	ıes

Upon successful completion of this course, students will be able to:

- Apply advanced competence in using materials and equipment to produce a painting or drawing (paints, brushes, boards, canvas, supports, etc.)
- 2. Experiment with a wide range of material processes used to produce a painting or drawing
- Create paintings or drawings using a variety of advanced techniques 3
- Exhibit proficiency with the properties of paint and/or drawing media
- Research necessary strategies to prepare and complete advanced paintings and/or drawings for presentation
- Communicate essential concepts of painting and drawing, including the formal and conceptual 6.
- Engage in painting and drawing critiques using a variety of analytical skills
- 8. Utilize both traditional and contemporary processes of painting or drawing
- 9. Evaluate the historical and contemporary relevance of painting and drawing
- 10. Source and use images ethically

Prior Learning Assessmen	and Recogn	ition (PLAR)
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☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Lectures, media presentations, in class exercises, independent projects, sketchbook work, demonstrations, readings, discussions, and critiques

Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

Grading system: Letter Grades: ☐ Credit/No Credit: ☐

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form) Author (surname, initials) Title (article, book, journal, etc.) Current ed. Publisher 2. 3. 4.

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

NOTE: Supplies vary by Instructor or project and are based on acrylics and water-based media.

Students will be expected to supply all necessary painting and drawing materials and equipment, as is determined by the needs of their individual projects. All painting materials will be acrylic, ink, or latex-based (no oils or toxic materials) and the use of all drawing media is allowed and encouraged. Sketchbooks are mandatory.

Typical Evaluation Methods and Weighting

Final exam:	%	Assignments:	15%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	%	Lab work:	75%	Field experience:	%	Shop work:	%
Participation:	10%	Other:	%	Other:	%	Total:	0%

Details (if necessary):

Typical Course Content and Topics

Five (5) projects, four (4) cultural logs, and one (1) artist statement are to be completed in the duration of this course. The first four (4) projects are self-directed, yet within certain theme-related parameters outlined by the instructor. The fifth (5th) project is deemed the final project and is to be accompanied by a well-articulated artist statement. The four (4) cultural logs provide the student with an opportunity to bridge between their studio work a relationship to art historical, art theoretical, and culturally relevant ideas and events. This bridge is intended to supplement and strengthen the student's studio activity by increasing levels of self-expressivity and knowledge regarding the contemporary implications the art-making today. Cultural logs are to be typed, double-spaced, and handed in hard copy to the Instructor on their designated due dates.

Schedules and syllabi vary by instructor.

Weeks 1-4 - Introduction, course description, policies, supplies, source material, slideshows, independent projects, theme #1

Weeks 5-6 - Slideshow of images, surface preparations, research, discussions, independent projects, theme #2 Weeks 7-8 - Surface preparations, research, written work, independent projects, midterm critiques, theme #3

Weeks 9-10 - Surface preparations, research, written work, independent projects, midterm critiques, theme #4

Weeks 11-13 - Slideshow and discussions, final project preparation, research, painting, essays, critiques, theme #5.

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	Memo for Course Changes
To:	
	CACC, Alisa Webb, Amanda Grimson
	m: Shelley Stefan, Visual Arts Department Head
	te: Sept. 6. 2016
Sul	oject: Proposal for revision of VA 322 – Painting/Drawing IV
1.	Summary of changes (select all that apply): Six-year review Number and/or course code Credits and/or total hours Title Calendar description Prerequisites and/or co-requisites Frequency of course offering Learning outcomes Delivery methods and/or texts and resource materials PLAR options, grading system, and/or evaluation methods Discontinuation of course
2.	Other – Please specify: Rationale for change: As per recommendations of the external program review committee and action items prioritized by the VA Department in response to such recommendations, new courses have been developed in Drawing and Figure Art. These course additions have allowed for new streamlined pathways into the 3 rd and 4 th level of Painting/Drawing. The changes reflect these new efficiencies and provide an updated version of the course.
3.	If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): All changes improve the accuracy of the official course outline and are in alignment with the outcomes of the overall program.
4.	Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? NO
5.	Which program areas have been consulted about the change(s)? Not applicable
6.	What consideration has been given to indigenizing the curriculum? Students are exposed to Indigenous Artists in slide lectures and discussions and efforts are made to widen the visual arts academic canon. Students are encouraged to explore cultural sensitivities in a diverse range of areas.
7.	If this course is not eligible for PLAR, explain why: Not applicable
8.	If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: Not applicable

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AGENDA ITEM # 3.6.

	b. Class size limit
	c. Frequency of offering
	d. Resources required (labs, equipment)
9.	Are field trips required for this course? (Field trip requirements must be announced in the
	timetable.) How are the trips funded? Not applicable
10	. Estimate of the typical costs for this course, including textbooks and other materials: Not applicable
20.	2 contract of the typical social of this socials, moraling tentes in a strict materials. Not approach

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ORIGINAL COURSE IMPLEMENTATION DATE: September 1992
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) December 2022

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: VA 322 Number of				of Credits: 3 Course credit policy (105)			
Course Full Title: Painting/Drawing IV Course Short Title (if title exceeds 30 character	s):	-					
Faculty: Faculty of Humanities		Depar	tment	t (or prog	ram if no department):	Visual Arts	
Calendar Description: An advanced study of painting and drawing tecl that exhibit formal and conceptual depth, as we consultation with the instructor.							
Prerequisites (or NONE):	'A 321.						
Corequisites (if applicable, or NONE):							
Pre/corequisites (if applicable, or NONE):							
Equivalent Courses (cannot be taken for additional credit)				Transfer	Credit		
Former course code/number: FA 322				Transfer	credit already exists: ⊠	Yes □ No	
Cross-listed with:				T (
Equivalent course(s):				Transfer credit requested (OReg to submit to BCCAT): Yes No (if yes, fill in transfer credit form)			
Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.				Resubmit revised outline for articulation: Yes No To find out how this course transfers, see bctransferguide.ca .			
Total Hours: 60				Special '	Tonics		
Typical structure of instructional hours:				•	course be offered with d	ifferent topics?	
Lecture hours		10		☐ Yes	⊠ No		
Seminars/tutorials/workshops		10		If you dis	forant lattered courses	may be taken for gradity	
Laboratory hours		40				may be taken for credit:	
Field experience hours					res, repeat(s)	☐ Tes, no innit	
Experiential (practicum, internship, etc.)				Note: The	specific topic will be recor	ded when offered.	
Online learning activities			ļ	Maximui	m enrolment (for inform	nation only): 20	
Other contact hours:					•		
	Total	60			d frequency of course every other year, etc.): A	offerings (every semester, Annually	
Department / Program Head or Director: She	elley Stefa	ın			Date approved:	August 24, 2016	
Faculty Council approval					Date approved:	September 2016	
Campus-Wide Consultation (CWC)					Date of posting:	November 11, 2016	
Dean/Associate VP: Jacqueline Nolte					Date approved:	September 2016	
Undergraduate Education Committee (UEC) approval							

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VA 322

University of the Fraser Valley Official Undergraduate Course Outline

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Learning Outcomes

Upon successful completion of this course, students will be able to:

- Apply a mastery of the materials and equipment used to produce a painting or drawing series (paints, brushes, canvas, supports, etc.)
- 2. Display a high level of proficiency with processes associated with the materials used to produce a painting or drawing series
- 3. Create paintings or drawings using a variety of experimental and advanced techniques
- 4. Conduct research in preparation of painting or drawing series
- 5. Complete a series of resolved paintings and/or drawings for presentation
- 6. Apply in-depth analytical skills used in painting and drawing critiques
- 7. Situate traditional and contemporary painting or drawing processes in one's own practice
- 8. Assess the historical and contemporary relevance of painting and drawing with respect to one's own practice
- 9. Use and source images ethically

D=:		A		Dagagnitian	/DI	4 D)
Prior	Learning	Assessment	and	Recognition	(PL	.AKI

Grading system: Letter Grades:
☐ Credit/No Credit: ☐

☑ Yes ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Lectures, media presentations, in class exercises, independent projects, sketchbook work, demonstrations, readings, discussions, and critiques.

Labs to be scheduled independent of lecture hours: Yes \(\square\) No \(\square\)

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (There will be no specific textbook assigned to this class, but home reading materials will be given that are relevant to the individual projects designed by the instructor. Independent projects will require specific readings appropriate to the subject chosen. Readings will be chosen by the student in consultation with the instructor.)

Author (surname, initials) Title (article, book, journal, etc.)	Current ed. Publisher	Year
1.		
2.		
3.		
4.		
5.		

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

NOTE: Supplies vary by instructor or project and are based on acrylics and water-based media

Students will be expected to supply all necessary painting and drawing materials and equipment, as is determined by the needs of their individual projects. All painting materials will be acrylic, ink, or latex-based (no oils or toxic materials) and the use of all drawing media is allowed and encouraged. Sketchbooks are mandatory.

Typical Evaluation Methods and Weighting

Final exam:	%	Assignments:	90%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	%	Lab work:	%	Field experience:	%	Shop work:	%
		Participation/Attendance:10%		Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

The course will cover the student's process and formal/conceptual development of Two (2) Bodies of Painting, each cohesively conceived, constructed, and defended through critique, presentation, and artist statement. Students will learn the importance of the development of a Series, producing and understanding a painting as not only one solitary entity containing form and content, but as a component within a larger entity, that of a family of paintings, or a Series/Body of related works. The Series will be approached as a method of mature exploration and expansion of the technical, material, and theoretical possibilities of contemporary Painting and Drawing.

Schedules and syllabi vary by instructor.

Weeks 1-4 - Introduction, course description, policies, supplies, source material, slideshows, research for project series #1

Weeks 5-6 - Continuation of independent research, project development, and faculty consultation for series #1

Weeks 7-8 – Midterm critiques series #1, written work, formal presentations, documentation, exhibition

Weeks 9-10 - Independent research, project development, and faculty consultation for series #2

Weeks 11-13 – Written work, research, project development, exhibition, formal presentations, documentation, final critiques

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	Memo for Program Changes
To:	CACC, UEC
Fro	om: Alisa Webb, Associate Dean of Students, Arts
Dat	te: May 17, 2016
Sub	oject: Program change Liberal Arts Diploma
1.	Summary of changes (select all the apply):
	☐ Program revision that requires new resources
	Addition of new course options or deletion or substitution of a required course
	☐ Change to the majority of courses in an approved program
	☐ Change to the duration, philosophy, or direction of a program
	\square Addition of a new field of specialization, such as a concentration
	□ Change in requirements for admission
	☐ Change in requirements for residency or continuance
	☐ Change in admission quotas
	Change which triggers an external review
	☐ Deletion of a program not included in the Program Discontinuance policy
	☐ Other – Please specify:
2.	Rationale for change(s):
	<u>Program Alignment:</u> The current Liberal Arts Diploma (LAD) echoes the breadth requirements of the
	BA. This ensures that students completing a LAD can ladder into the BA with ease. With the
	approved revision to the BA effective September 2017, it is important to update the LAD so that it aligns with the revised BA.
	Admissions: Currently the LAD is an exit credential. Students cannot apply to it; they can only
	graduate with it. With the shift away from Arts Studies towards Qualifying Studies, it makes sense to
	shift the LAD to direct-entry credential with slightly lower entrance requirements than the BA. This
	will allow students who are on the cusp of meeting BA entrance requirements to enter the LAD instead of QS. This will decrease the pressure on QS, while also providing an avenue for Arts-bound
	students. It will also provide an important avenue for QS students who have successfully completed
	more than 9 credits, but less than 30, and wish to move into a credentialed program.
	Further, diplomas are popular with International students, with many choosing the General Studies
	Diploma (which allows direct entry). Adding direct admissions to the LAD would increase the options
	for International students looking to complete a 60-credit credential at UFV.
2	If program outcomes are new or substantially changed, explain how they align with the Institutional
Э.	Learning Outcomes:
	The revised calendar copy more clearly articulates the connection between LAD and UFV ILOs.
	Lower-level requirements all have stipulated outcomes.

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4. What consideration has been given to indigenizing the curriculum?

Arts has been consistent in ensuring the indigenization of its courses. Students taking Arts courses towards the LAD will encounter indigenous content, themes, and methods in a range of disciplines.

- 5. Will additional resources be required? If so, how will these costs be covered?
 - No additional resources required
- 6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?
 - It is difficult to determine the effect on enrolment. Because the LAD is currently an exit credential, students apply to graduate with it, but we have no sense how many are actively working towards it. We anticipate that students who might have previously sought entrance to the BA, but were denied because of slightly lower high school marks, will now find a home in LAD rather than QS.
 - There will also be a transitional period. Students may be working towards LAD at the time the program changes; these students could be caught in the middle of such change as we cannot grandparent the diploma requirements in the same way we would for the BA or another entrance credential. We would be committed to working with such students caught in the middle to arrive at solutions, such as waiving certain requirements.
- 7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?
 - The overall number of required credits remains the same. The current LAD requires a minimum of 10 credits in core skills (writing, lab science, and reasoning) and 12 credits of breadth (6 Humanities and 6 Social Sciences). The revised LAD requires 5-7 courses to meet the core requirements (15-17 credits) and no breadth.
- 8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)
 - No additional resources needed
- 9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed.
 - No change
- 10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.
 - No budgetary implications

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College of Arts Diploma Statistics

Prepared by the Office of Institutional Research and Planning

Diploma Program by Student Type Headcount

<u>Diploma Program by Student Type Headcount</u>	T-:						1
Program	Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Associate of Arts Degree	Domestic - Aboriginal	4	8	9	13	11	18
	Domestic - Non Aboriginal	106	116	107	135	176	231
	International	8	<mark>7</mark>	<u>6</u>	6	<u>5</u>	22
Total Associate of Arts Degree		118	131	122	154	192	271
Associate of Arts Degree: Intl & Dev Studies	Domestic - Aboriginal						1
	Domestic - Non Aboriginal						1
	International						5
Total Associate of Arts Degree: Intl & Dev Studies							7
Associate of Arts Degree: Media & Communications	Domestic - Non Aboriginal						2
	International						3
Total Associate of Arts Degree: Media & Communi	cations						5
Associate of Arts Degree: Theatre	Domestic	1	9	1	1	1	1
Total Associate of Arts Degree: Theatre	•	1	9	1	1	1	1
Diploma in General Studies	Domestic - Aboriginal	46	51	61	48	53	45
	Domestic - Non Aboriginal	996	854	777	718	698	742
	International	20	32	40	39	40	65
Total Diploma in General Studies		1062	937	878	805	791	852
Graphic and Digital Design Diploma	Domestic - Aboriginal			2	2	2	2
	Domestic - Non Aboriginal			16	31	38	38
	International			1	3	4	4
Total Graphic and Digital Design Diploma				19	36	44	44

Diploma 1	Program	Prop	ortions
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Program	Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Associate of Arts Degree	Domestic - Aboriginal	3.4%	6.1%	7.4%	8.4%	5.7%	6.6%
	Domestic - Non Aboriginal	89.8%	88.5%	87.7%	87.7%	91.7%	85.2%
	International	6.8%	5.3%	4.9%	3.9%	2.6%	8.1%
Total Associate of Arts Degree		100%	100%	100%	100%	100%	100%
Associate of Arts Degree: Intl & Dev Studies	Domestic - Aboriginal						14.3%
	Domestic - Non Aboriginal						14.3%
	International						71.4%
Total Associate of Arts Degree: Intl & Dev Studies							100%
Associate of Arts Degree: Media & Communications	Domestic - Non Aboriginal						40%
	International						60%
Total Associate of Arts Degree: Media & Communi	cations						100%
Diploma in General Studies	Domestic - Aboriginal	4.3%	5.4%	6.9%	6.0%	6.7%	5.3%
	Domestic - Non Aboriginal	93.8%	91.1%	88.5%	89.2%	88.2%	87.1%
	International	1.9%	3.4%	4.6%	4.8%	5.1%	7.6%
Total Diploma in General Studies		100%	100%	100%	100%	100%	100%
Graphic and Digital Design Diploma	Domestic - Aboriginal			10.5%	5.6%	4.5%	4.5%
	Domestic - Non Aboriginal		_	84.2%	86.1%	86.4%	86.4%
	International			5.3%	8.3%	9.1%	9.1%
Total Graphic and Digital Design Diploma				100%	100%	100%	100%

Program	Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Associate of Arts Degree	Domestic - Aboriginal		1	1	3	2	5
	Domestic - Non Aboriginal	23	24	40	31	42	44
	International	6	12	4	3	1	2
Total Associate of Arts Degree	ssociate of Arts Degree		37	45	37	45	51
Diploma in General Studies	Domestic - Aboriginal		2	3	1	1	1
	Domestic - Non Aboriginal	12	22	29	21	18	23
	International	3	11	19	18	29	43
Total Diploma in General Studies		15	35	51	40	48	67
Diploma in Liberal Arts	Domestic - Aboriginal	1	2	1	5	7	5
	Domestic - Non Aboriginal	42	74	102	101	109	106
	International	3	4	9	3	2	7
Total Diploma in Liberal Arts		46	80	112	109	118	118
Graphic and Digital Design Diploma	Domestic - Aboriginal				1		1
	Domestic - Non Aboriginal				10	19	15
	International				2		4
Total Graphic and Digital Design Diploma					13	19	20
Total Grads		90	152	208	186	211	236

Proportion of Diploma Graduates by Student Type

Program	Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Associate of Arts Degree	Domestic - Aboriginal		2.7%	2.2%	8.1%	4.4%	9.8%
	Domestic - Non Aboriginal	79.3%	64.9%	88.9%	83.8%	93.3%	86.3%
	International	20.7%	32.4%	8.9%	8.1%	2.2%	3.9%
Total Associate of Arts Degree		100%	100%	100%	100%	100%	100%
Diploma in General Studies	Domestic - Aboriginal		5.7%	5.9%	2.5%	2.1%	1.5%
	Domestic - Non Aboriginal	80%	62.9%	56.9%	52.5%	37.5%	34.3%
	International	20%	31.4%	37.3%	45.0%	60.4%	64.2%
Total Diploma in General Studies			100%	100%	100%	100%	100%
Diploma in Liberal Arts	Domestic - Aboriginal	2.2%	2.5%	0.9%	4.6%	5.9%	4.2%
	Domestic - Non Aboriginal	91.3%	92.5%	91.1%	92.7%	92.4%	89.8%
	International	6.5%	5.0%	8.0%	2.8%	1.7%	5.9%
Total Diploma in Liberal Arts		100%	100%	100%	100%	100%	100%
Graphic and Digital Design Diploma	Domestic - Aboriginal				7.7%		5%
	Domestic - Non Aboriginal				76.9%	100%	75%
	International				15.4%		20%
Total Graphic and Digital Design Diploma					100%	100%	100%

Aggregation of College of Arts Diploma Program Headcount by Student Type

_ 00 0					<u> </u>	
Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Domestic - Aboriginal	50	58	72	63	66	65
Domestic - Non Aboriginal	1099	976	900	883	909	1013
International	28	39	47	48	49	98
Total	1177	1073	1019	994	1024	1176

% Aggregation of College of Arts Diploma Program Headcount by Student Type

70 Aggregation of Conege of Arts Diploma 1 rogram freateount by Student Typ						
Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Domestic - Aboriginal	4.2%	5.4%	7.1%	6.3%	6.4%	5.5%
Domestic - Non Aboriginal	93.4%	91.0%	88.3%	88.8%	88.8%	86.1%
International	2.4%	3.6%	4.6%	4.8%	4.8%	8.3%
Total	100%	100%	100%	100%	100%	100%

Aggregation of College of Arts Diploma Program Grads by Student Type

Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Domestic - Aboriginal	2	7	7	9	10	10
Domestic - Non Aboriginal	76	120	171	151	169	173
[International]	(12)	(25)	(30)	26	(32)	53
Total	90	152	208	186	211	236

% Aggregation of College of Arts Diploma Program Grads by Student Type

76 Aggregation of Conege of Arts Diploma Frogram Graus by Student Type								
Student Type	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16		
Domestic - Aboriginal	2.2%	4.6%	3.4%	4.8%	4.7%	4.2%		
Domestic - Non Aboriginal	84.4%	78.9%	82.2%	81.2%	80.1%	73.3%		
International	13.3%	16.4%	14.4%	14.0%	15.2%	22.5%		
Total	100%	100%	100%	100%	100%	100%		

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Liberal Arts diploma (calendar copy with revisions; clean copy follows)

The Liberal Arts diploma is an exit credential which does not take direct admissions. Students can graduate from the Liberal Arts diploma while in another program, as long as all program requirements have been met. Students not currently in a UFV program might consider applying to the Bachelor of Arts or Associate of Arts degree programs, or Qualifying Studies. [AW1]

The Liberal Arts diploma program requires a minimum of 60 university level credits. It is designed to provide students with a breadth of intellectual and academic experience while recognizing the importance of concentrated study in a specific field or discipline.

A UFV Liberal Arts Diploma (LAD) will equip you with the skills and knowledge you need to be a reflective, articulate, and informed citizen within the Fraser Valley and beyond. A LAD offers you foundational skills, learning, and engagement in communication, critical thinking, quantitative literacy, scientific literacy, as well as the opportunity to begin concentrated study in a specific field or discipline. The diploma may serve as an educational goal or as an intermediate qualification for those who plan to transfer or who plan to ladder into a degree program at UFV. Students successfully completing a LAD will have met most of the lower-level requirements for the BA as well as courses which can be used towards minors, extended minors, and/or majors.

The diploma addresses the needs of students pursuing educational or career goals in the humanities or social sciences. The Liberal Arts diploma may serve as an educational goal or as an intermediate qualification for those who transfer to other educational institutions. Students planning to obtain the Bachelor of Arts offered by the college of Arts can complete the diploma and satisfy the general program requirements for the BA degree and the lower level requirements for their major, extended minors, or minor program(s).

Students who pursue the Liberal Arts diploma will be subject to the policies on program continuance and warning that apply to the program they have been admitted to. For details on academic standing and undergraduate continuance, see the Undergraduate Continuance section of the academic calendar. Some programs may have a continuance requirement which is higher than the institutional standard.

Graduation

It is the student's responsibility to ensure all program requirements are met. This should be done by regular consultation with an Advisor.

Students who qualify to receive a Liberal Arts diploma must be approved by an Advisor and the Senate. Students must apply for graduation by completing the Graduation Request form available ufv.ca/admissions/forms or at the Office of the Registrar. We recommend this be done in the first month of the final semester. The final deadline for students who wish to attend the June Convocation ceremony is April 1st of each year, with all program requirements completed by April 30th of each year.

Entrance Requirements and Admissions:

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Option 1: High School or Equivalent to High School

High School (for students with high school graduation only)

- 1. BC secondary school graduation or equivalent
- 2. A minimum of a C+ in English 12 or equivalent (English 12 First Peoples, English Literature 12, AP English, or IB English A standard level or higher) and a minimum of a C+ in one additional approved Grade 12 course.

Out-of-Province Applicants:

1. Students will be considered on the basis of courses equivalent to Approved B.C. Grade
12 courses. See the Admissions section of the calendar for more information on equivalents to
B.C. secondary school graduation.

Out-of-Country Applicants:

1. Students whomust have B.C. secondary school graduation equivalency, meet the prerequisite for ENGL 105 or CMNS 155, and have completed an equivalent of C+ (equated to the UFV grading system) in one course equivalent to an approved Grade 12 course.

Alternatives to High School Graduation:

1. If you have completed the International Baccalaureate diploma program, the B.C. Graduation diploma (B.C. Adult Dogwood), or the General Educational Development (GED) certificate, you may be considered to have the equivalent of B.C. secondary school graduation for admission purposes.

Option 2: Post-Secondary Entrance (for students who have attended some post-secondary school)

- 1. 1. Completion of a minimum of 9 credits in courses numbered at the 100 level and above, with a CGPA of 2.00 on all credits attempted.
- 2. Meet prerequisites for ENGL 105 or CMNS 155.

Students who do not meet these requirements might consider Qualifying Studies and/or a meeting with a UFV Academic Advisor.

When to apply:

<u>Applications are accepted for entrance to the Fall, Winter, and Summer semesters. For application deadlines, see specific intake application process.</u>

How to apply:

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1. Apply online at ufv.ca/admissions/admissions/apply.

Additional documents required for a complete application:

- Official transcripts or interim transcripts from all post-secondary institutions you have attended (other than UFV) showing grade/course achievement as per entrance requirements
- o Must be sent directly to UFV from the originating institutions
- o Need to arrive within two weeks of the date of your application in order to retain your original application date

For high school entrance, a final official transcript (if you have graduated). For students currently in Grade 12, final grades are due August 3.

- 2. You will be advised of an admission decision and, if accepted, will be provided with registration information. A deposit is required prior to registration (see the Fees and Other Costs section). This money will be applied toward your tuition fees. Final payment of all course fees is due the end of the second week of classes.
- 3. In cases where course work is in progress, an admission decision may be made conditional upon completion of academic requirements. Proof of completion of entrance requirements is due the end of the first week in August for the September intake.

Basis for admission decision:

Applicants who meet the entrance requirements will be admitted in order of their application date. This date is set when an application, all required documentation, and the application fee have been submitted.

Fees and additional costs:

<u>See the Fees and Other Costs section. Books and additional supplies cost approximately \$100 per course.</u>

Program requirements:

<u>There are two sets of requirements to note: Program Requirements and Foundational Skills</u> Requirements.

Program Requirements

- 60 university-level credits, of which 30 must be completed at UFV
- Of the 60 credits:

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- o 33 credits must be in Arts subjects (Social Sciences, Humanities, or Creative Arts)
- o 27 credits can be in any subject at the university level (100-level and above)
- o At least 24 credits must be 200-level or above

A total of 60 university level credits with an overall cumulative grade point average of 2.0 is required to complete this program. Of those 60 credits, 30 must be completed at UFV. Thirty-three credits must be in Arts chosen from the following list of subjects:

Anthropology, art history, communications (CMNS 155 and above), criminology/criminal justice (excluding CRIM 201, 202, and 203), economics, English, film, geography, history, international studies, Latin American studies, mathematics/statistics, media and communication studies, modern languages, philosophy, political science, psychology, religious studies, sociology, theatre, and visual arts.

Of the remaining 27 credits, up to 12 credits (at the 100-level or higher) may be from outside the Arts and Sciences. A Science course, as defined by the British Columbia Council on Admissions and Transfer, will include biology, chemistry, computing science, kinesiology, mathematics/statistics, and physics.

Liberal Arts diploma students must consider the following in making their course selection:

-Access to seats in some courses may be limited due to course prerequisites and/or seats reserved for students in specific programs or majors.

•Students considering a teaching career should be aware that not all disciplines or programs are recognized for professional certification. As teacher education programs are professional programs, students should seek advice regarding course selection from an Advisor or from the institution which they plan to attend.

Students planning to continue on to complete the Bachelor of Arts degree offered by the College of Arts are advised to take courses to satisfy their choices within the following requirements: Breadth, Writing, Reasoning, Lab Science, Humanities, and Social Sciences, and to follow the discipline requirements of their chosen major, extended minors, or minor program(s).

Foundational Skills Requirement (4-5 courses)

Foundational Skill	Requirement	<u>Benchmark</u>
Writing Foundation	CMNS 155, ENGL 105, or an A in	Complete by 30 credits
	English 12 or equivalent	
Written, Oral, or Visual	One of AH 100, AH 101, AH 102, AH	Complete by 60 credits
Communication	204, CMNS 235, CMNS 251, VA 113,	
	<u>VA 115, or VA 116</u>	
Critical Thinking	PHIL 100	Complete by 30 credits
Quantitative Literacy	One of ECON 100, ECON 101, GEOG	Complete by 60 credits
	253, MATH 105, MATH 110, MATH	
	123, MATH 140, MATH 141, STAT	
	104, or STAT 106	
Scientific Literacy	One of BIO 105, BIO 106, GEOG 103,	Complete by 60 credits
	or GEOG 105	

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Note: Students may not use the same course to meet more than one foundational skill requirement.

Each foundational skill course aligns with specific outcomes.

Foundational Skill	Successful students will be able to:		
Writing	• Demonstrate knowledge of how audience, purpose, and situation		
Foundation	shape written communication		
	• Employ conventions of organization, presentation, formatting, and		
	style in a range of genres		
	• Use source material ethically and critically in written communication		
	• Engage in processes of reading, summarizing, critiquing, and citing		
	relevant and credible sources		
Second course in	Oral Communication Option:		
communication:	• Demonstrate confidence and clarity of purpose when speaking in a		
students choose	<u>public context</u>		
oral, visual, or	 Employ delivery and organization techniques that strengthen 		
<u>written</u>	reception of the central idea		
communication	• Respond effectively to audience's verbal and non-verbal feedback in		
	the moment of one's speaking		
	• Critique one's own and other's oral presentation skills constructively		
	Visual Communication Option:		
	• Identify the formal elements of a variety of visual media		
	• Analyze visual media within a critical, contextual framework		
	 Source and use images ethically 		
	 Communicate capably with and about images 		
	Written Communication Option:		
	• Write for different audiences, purposes, and situations		
	• Consistently use conventions particular to a specific discipline and/or		
	writing task, including organization, presentation, format, and style		
	• Consistently use credible, relevant sources to support ideas or		
	<u>arguments</u>		
	 Complete all steps in the writing process: pre-writing, drafting, 		
	revising, editing, and submission		
Critical Thinking	• Evaluate arguments and their supporting evidence		
	• Examine context, perspective, and assumptions when evaluating and		
	making arguments in various disciplines		
	Construct rational arguments		
	• Identify and assess counter-arguments to one's position		
Quantitative	• Explain and interpret information presented in quantitative forms		
<u>Literacy</u>	 Convert relevant information into quantitative forms 		
	• Draw conclusions from an analysis of quantitative data		
	• Use quantitative evidence in support of an argument		

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Scientific Literacy

- Express positions that are scientifically informed
- Evaluate the quality of scientific information based on its source and the methods used to generate it
- Articulate the role of observation and experimentation in the development of scientific theories
- Identify ethical issues involved in the practice and application of science
- Discuss the relevance of science in their lives and how it may affect them in their public and private roles

Students wishingplanning to apply to the UFV BA after completion of the LAD should familiarize themselves with additional BA requirements, particularly the second language competency requirement, as well as the requirements for specific majors, extended minors, and minors.

LAD graduates who ladder into the UFV BA will need to complete ARTS 101 within 15 credits of admission to the BA. They will not be required to complete ARTS 201. ARTS 301 will need to be completed before 90 credits and ARTS 401 will need to be completed between 91 and 120 credits.

Breadth requirement

30 university level credits from at least five subject areas. No more than 12 credits from any one subject area can be used to satisfy this requirement.

Writing requirement

Three credits from:

- ENGL 105
- ENGL 210 or CMNS 155
- ARTS 100 (see Note)

Note: ARTS 100 meets both the writing requirement and the reasoning requirement.

Reasoning requirement

One of PHIL 100 or ARTS 100 (see Note 1), or at least three credits from each list:

Humanities List Social Sciences List

- •AH 205, 316
- CMNS 251, 360
- •ENGL 150, 364
- ◆HIST 300
- •MATH 265
- •THEA 201, 453
- **◆**ANTH 301

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◆ECON 100 •GEOG 241, 452 **•STAT 104 PSYC 202 (see Note), 408** +SOC 255/ANTH 255/MACS 255 **SOC 350** Note: This requirement may be met by PSYC 210 if previously completed. **Laboratory Science requirement** Four credits from: •Astronomy 103 or 104 •BIO 100-level or higher **•**CHEM 100-level or higher •GEOG 101, 102, 103, or 116 •KPE 163 or 170 •PHYS 100 level or higher ◆PSYC 202 (see Note) Note: This requirement may be met by PSYC 210 or PSYC 220 if previously completed. **Humanities requirement** Six credits from: Art History •Communications English 108 or higher •Film •French History •Halq'eméylem Interdisciplinary courses (see Note) -Japanese Linguistics •Mandarin Mathematics • Music Philosophy 100 or higher ■Punjabi •Religious Studies • Russian Spanish

Note: Interdisciplinary courses are determined by an Advisor.

TheatreVisual Arts

Social Science requirement

Six credits from:

- Anthropology
- Criminal Justice (see Note 1)
- Economics
- •Geography 105, 111, 130 or higher
- Global Development Studies
- Interdisciplinary courses (see Note 2)
- **•**Latin American Studies
- **•**Media and Communication Studies
- Political Science
- Psychology
- Sociology
- Women's Studies

Note 1: Please contact an Advisor for details regarding acceptable criminal justice courses.

Note 2:Interdisciplinary courses are determined by an Advisor.

Elective requirement

University level elective credit(s), to bring total credits to 60.

Note: Students should choose their electives according to the degree they may be pursuing. Please refer to the appropriate section of the calendar for details.

Other Arts diplomas

The following diplomas are also available at UFV:

- Graphic and Digital Design diploma
- •Theatre diploma
- •Visual Arts diploma

Courses from other institutions:

<u>UFV</u> students who wish to take courses at another institution for credit towards the LAD must obtain permission in advance from an academic advisor. A <u>Letter of Permission request is available at ufv.ca/admissions or can be obtained from the Office of the Registrar. Students must be in good standing (CGPA > 2.0) to receive a <u>Letter of Permission</u>. When approval has been granted, the <u>Registrar's office Office of the Registrar will issue a Letter of Permission to the student</u>. Residency and transfer credit policies apply.</u>

Policies Relevant to the LAD:

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- 1. Course Repeat Policy (86): Students may not register for a course more than twice without the permission of the department head/director for the discipline or their designate. All attempts will be recorded on the transcript, but only the highest grade will be included in the GPA. Transfer courses are considered in the number of attempts. A "W" or "AU" course is not counted as a duplication. Multiple repeats of the same course count as a single duplication.
- 2. Undergraduate Continuance (92): Students must have a CGPA of at least 2.00 to remain in good academic standing. Failure to meet or maintain a 2.00 will result in restrictions on registration and may lead to academic suspension.
- 43. Transfer Credit (107) and, Prior Learning Assessment (94): Students who successfully complete academic course work at another post-secondary institution can transfer this credit to UFV to satisfy Liberal Arts Diploma requirements. They can also earn academic credit through an assessment of prior learning.

Residency:

To meet the residency requirement of the LAD, 30 credits for the LAD must be completed at UFV.

Graduation:

Students are responsible for ensuring they are eligible to graduate, and should regularly consult with an Academic Advisor. To be eligible, students must have completed the LAD program with a minimum CGPA of 2.00.

Students must apply for graduation by completing the Graduation Request form available at ufv.ca/admissions, or from the Office of the Registrar. This should be done in the first month of the final semester. The final deadline for students who wish to attend the June Convocation ceremony is April 1 of each year, with all program requirements completed by April 30 of each year.

Course listings

For complete details on courses, please consult the appropriate category in the course descriptions section.

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Liberal Arts diploma (clean calendar copy)

A UFV Liberal Arts Diploma (LAD) will equip you with the skills and knowledge you need to be a reflective, articulate, and informed citizen within the Fraser Valley and beyond. A LAD offers you foundational skills, learning, and engagement in communication, critical thinking, quantitative literacy, scientific literacy, as well as the opportunity to begin concentrated study in a specific field or discipline. The diploma may serve as an educational goal or as an intermediate qualification for those who plan to transfer or who plan to ladder into a degree program at UFV. Students successfully completing a LAD will have met most of the lower-level requirements for the BA as well as courses which can be used towards minors, extended minors, and/or majors.

Entrance Requirements and Admissions:

Option 1: High School or Equivalent to High School

High School (for students with high school graduation only)

- 1. BC secondary school graduation or equivalent
- 2. A minimum of a C+ in English 12 or equivalent (English 12 First Peoples, English Literature 12, AP English, or IB English A standard level or higher) and a minimum of a C+ in one additional approved Grade 12 course.

Out-of-Province Applicants:

1. Students will be considered on the basis of courses equivalent to Approved B.C. Grade 12 courses. See the Admissions section of the calendar for more information on equivalents to B.C. secondary school graduation.

Out-of-Country Applicants:

Students must have B.C. secondary school graduation equivalency, meet the
prerequisite for ENGL 105 or CMNS 155, and have completed an equivalent of C+
(equated to the UFV grading system) in one course equivalent to an approved Grade
12 course.

Alternatives to High School Graduation:

 If you have completed the International Baccalaureate diploma program, the B.C. Graduation diploma (B.C. Adult Dogwood), or the General Educational Development (GED) certificate, you may be considered to have the equivalent of B.C. secondary school graduation for admission purposes.

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Option 2: Post-Secondary Entrance (for students who have attended some post-secondary school)

- 1. Completion of a minimum of 9 credits in courses numbered at the 100 level and above, with a CGPA of 2.00 on all credits attempted.
- 2. Meet prerequisites for ENGL 105 or CMNS 155.

Students who do not meet these requirements might consider Qualifying Studies and/or a meeting with a UFV Academic Advisor.

When to apply:

Applications are accepted for entrance to the Fall, Winter, and Summer semesters. For application deadlines, see specific intake application process.

How to apply:

1. Apply online at ufv.ca/admissions/admissions/apply.

Additional documents required for a complete application:

- Official transcripts or interim transcripts from all post-secondary institutions you have attended (other than UFV) showing grade/course achievement as per entrance requirements
 - Must be sent directly to UFV from the originating institutions
 - Need to arrive within two weeks of the date of your application in order to retain your original application date

For high school entrance, a final official transcript (if you have graduated). For students currently in Grade 12, final grades are due August 3.

- 2. You will be advised of an admission decision and, if accepted, will be provided with registration information. A deposit is required prior to registration (see the Fees and Other Costs section). This money will be applied toward your tuition fees. Final payment of all course fees is due the end of the second week of classes.
- In cases where course work is in progress, an admission decision may be made conditional upon completion of academic requirements. Proof of completion of entrance requirements is due the end of the first week in August for the September intake.

Basis for admission decision:

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Applicants who meet the entrance requirements will be admitted in order of their application date. This date is set when an application, all required documentation, and the application fee have been submitted.

Fees and additional costs:

See the Fees and Other Costs section. Books and additional supplies cost approximately \$100 per course.

Program requirements:

There are two sets of requirements to note: Program Requirements and Foundational Skills Requirements.

Program Requirements

- 60 university-level credits, of which 30 must be completed at UFV
- Of the 60 credits:
 - o 33 credits must be in Arts subjects (Social Sciences, Humanities, or Creative Arts)
 - o 27 credits can be in any subject at the university level (100-level and above)
 - o At least 24 credits must be 200-level or above

Foundational Skills Requirement (4-5 courses)

Foundational Skill	Requirement	Benchmark
Writing Foundation	CMNS 155, ENGL 105, or an A in	Complete by 30 credits
	English 12 or equivalent	
Written, Oral, or Visual	One of AH 100, AH 101, AH 102, AH	Complete by 60 credits
Communication	204, CMNS 235, CMNS 251, VA 113,	
	VA 115, or VA 116	
Critical Thinking	PHIL 100	Complete by 30 credits
Quantitative Literacy	One of ECON 100, ECON 101, GEOG	Complete by 60 credits
	253, MATH 105, MATH 110, MATH	
	123, MATH 140, MATH 141, STAT	
	104, or STAT 106	
Scientific Literacy	One of BIO 105, BIO 106, GEOG 103,	Complete by 60 credits
	or GEOG 105	

Note: Students may not use the same course to meet more than one foundational skill requirement.

Each foundational skill course aligns with specific outcomes.

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Foundational Skill	Successful students will be able to:		
Writing	Demonstrate knowledge of how audience, purpose, and situation		
Foundation	shape written communication		
	• Employ conventions of organization, presentation, formatting, and		
	style in a range of genres		
	Use source material ethically and critically in written communication		
	Engage in processes of reading, summarizing, critiquing, and citing		
	relevant and credible sources		
Second course in	Oral Communication Option:		
communication:	Demonstrate confidence and clarity of purpose when speaking in a		
students choose	public context		
oral, visual, or	• Employ delivery and organization techniques that strengthen		
written	reception of the central idea		
communication	• Respond effectively to audience's verbal and non-verbal feedback in		
	the moment of one's speaking		
	Critique one's own and other's oral presentation skills constructively		
	Visual Communication Option:		
	Identify the formal elements of a variety of visual media		
	Analyze visual media within a critical, contextual framework		
	Source and use images ethically		
	Communicate capably with and about images		
	Written Communication Option:		
	Write for different audiences, purposes, and situations		
	• Consistently use conventions particular to a specific discipline and/or		
	writing task, including organization, presentation, format, and style		
	Consistently use credible, relevant sources to support ideas or		
	arguments		
	Complete all steps in the writing process: pre-writing, drafting,		
	revising, editing, and submission		
Critical Thinking	Evaluate arguments and their supporting evidence		
_	• Examine context, perspective, and assumptions when evaluating and		
	making arguments in various disciplines		
	Construct rational arguments		
	• Identify and assess counter-arguments to one's position		
Quantitative	Explain and interpret information presented in quantitative forms		
Literacy	Convert relevant information into quantitative forms		
•	Draw conclusions from an analysis of quantitative data		
	Use quantitative evidence in support of an argument		
Scientific Literacy	Express positions that are scientifically informed		
·	• Evaluate the quality of scientific information based on its source and		
	the methods used to generate it		
	Articulate the role of observation and experimentation in the		
	development of scientific theories		

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- Identify ethical issues involved in the practice and application of science
- Discuss the relevance of science in their lives and how it may affect them in their public and private roles

Students planning to apply to the UFV BA after completion of the LAD should familiarize themselves with additional BA requirements, particularly the second language competency requirement, as well as the requirements for specific majors, extended minors, and minors.

LAD graduates who ladder into the UFV BA will need to complete ARTS 101 within 15 credits of admission to the BA. They will not be required to complete ARTS 201. ARTS 301 will need to be completed before 90 credits and ARTS 401 will need to be completed between 91 and 120 credits.

Courses from other institutions:

UFV students who wish to take courses at another institution for credit towards the LAD must obtain permission in advance from an academic advisor. A Letter of Permission request is available at ufv.ca/admissions or can be obtained from the Office of the Registrar. Students must be in good standing (CGPA > 2.0) to receive a Letter of Permission. When approval has been granted, the Office of the Registrar will issue a Letter of Permission to the student. Residency and transfer credit policies apply.

Policies Relevant to the LAD:

- 1. Course Repeat Policy (86): Students may not register for a course more than twice without the permission of the department head/director for the discipline or their designate. All attempts will be recorded on the transcript, but only the highest grade will be included in the GPA. Transfer courses are considered in the number of attempts. A "W" or "AU" course is not counted as a duplication. Multiple repeats of the same course count as a single duplication.
- Undergraduate Continuance (92): Students must have a CGPA of at least 2.00 to remain in good academic standing. Failure to meet or maintain a 2.00 will result in restrictions on registration and may lead to academic suspension.
- Transfer Credit (107) and Prior Learning Assessment (94): Students who successfully
 complete academic course work at another post-secondary institution can transfer
 this credit to UFV to satisfy Liberal Arts Diploma requirements. They can also earn
 academic credit through an assessment of prior learning.

Residency:

To meet the residency requirement of the LAD, 30 credits must be completed at UFV.

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Gradı	uation:
with a	ents are responsible for ensuring they are eligible to graduate, and should regularly consult an Academic Advisor. To be eligible, students must have completed the LAD program with imum CGPA of 2.00.
ufv.ca the fi	ents must apply for graduation by completing the Graduation Request form available at a/admissions, or from the Office of the Registrar. This should be done in the first month of nal semester. The final deadline for students who wish to attend the June Convocation nony is April 1 of each year, with all program requirements completed by April 30 of each
Cours	se listings
	omplete details on courses, please consult the appropriate category in the course iptions section.

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MEMO

To: Amanda Grimson for UEC

From: Dr. Bruce Kirkley, Acting Program Development and QA Coordinator

CC: Dr. Jacqueline Nolte, Dr. Peter Geller, Dr. Alisa Webb, Dr. Teresa Piper, Dr. Sylvie

Murray

Date: Nov. 16, 2016

Re: Revised Framework for Proficiency Certificates in Modern Languages

For submission to UEC please find attached:

- Revised Framework for Proficiency Certificates in Modern Languages
- Revised calendar copy

Recent changes to the UFV <u>Credentials policy (64)</u> has required a review of existing programs to ensure they align with the requirements of the revised policy. The Department of Modern Languages offers several proficiency certificates which will need to be adjusted to meet the new requirements.

The criteria for the proficiency certificates were established in the "Framework for Proficiency Certificates in Modern Languages" that was approved by PAC (Program Advisory Committee, the predecessor of UEC) in January 2005. The Program Development Office recommends that the existing framework be "grandfathered" with the criteria updated to align with the revised policy (64) and with current approval procedures for program changes, where applicable. To this end, the PDO, in consultation with the Dean's Office, College of Arts, has drafted the attached revised framework and calendar copy for the Proficiency Certificates in Modern Languages.

Specifically, the revisions include the following:

Framework:

- Certificates renamed to comply with Credentials policy 64
- Adding new languages for certificates requires approval from both the College of Arts Dean's Office and UEC
- Languages available for certificates to be reviewed as part of regular Academic Program
 Review to ensure required courses continue to be regularly scheduled and offered
- Note regarding "with distinction" notation on transcripts removed since the "with
 distinction" is added in all cases where students receive a GPA of at least 3.5 on all courses
 required for a program, as per UFV regulations:

1

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The designation "Graduated with Distinction" recognizes those university students who have maintained a high academic standard throughout their course of studies.

To be eligible, a student must:

- have completed all the program graduation requirements with a grade point average of at least 3.5 based on the credits earned while in the program with a semester GPA of at least 3.0 in the most recent semester in which at least one graded course was completed; or
- have completed an entry-level Trades program and have an average of 90% or higher in all courses.

Calendar Copy:

- Certificates renamed to comply with Credentials policy 64
- Language added to specify distinction between Associate Certificate, Intermediate Proficiency and Certificate, Advanced Proficiency
- Generic note added advising students to consult with MOLA regarding equivalency of certificates to international language frameworks
- Note regarding "with distinction" removed (as per rationale under Framework above)
- Note added advising students that course availability for the certificates varies
- Specific languages available organized under the corresponding certificates

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Framework for Proficiency Certificates in Modern Languages

UFV will recognize ability in a modern language by awarding an <u>associate certificate for</u> intermediate <u>proficiency</u> or <u>a certificate for</u> advanced proficiency-<u>certificate</u>. This framework sets the criteria for the<u>se certificatescredentials</u>. As the Modern Languages Institute offers more languages <u>that provide the courses needed to meet the requirements for these credentials</u>, the <u>department</u>, <u>we may will</u> request <u>approval from the Dean of Arts and UEC</u> that <u>a-these languages</u> <u>be included proficiency certificate be created</u> under this framework.

Certificates in each specific language will be reviewed through the Academic Program Review process to ensure that the required courses are regularly scheduled and offered for students.

Credentials to be Awarded

An type B certificate Associate Certificate, Intermediate Proficiency or a Certificate, Advanced Proficiency may be awarded on completion of the requirements. The specific language for which proficiency has been demonstrated will be identified in parentheses as part of the credential; i.e. Associate Certificate, Intermediate Proficiency (Halq'eméylem); Certificate, Advanced Proficiency (Spanish).

How to Obtain a Proficiency Certificate

Students in any UFV program who meet the stated requirements of any proficiency in a single language, as outlined below, certificate may apply for the corresponding associate certificate or certificate by completing a graduation application, available at Admissions and Records by April 1 (all requirements must be met by April 30).

Program Requirements

Intermediate Associate Certificate, Intermediate Proficiency

■ 12 credits in a single language, including a minimum of 6 credits at the 200-level

Or

■ The Grade 12 level of a language plus 6 credits at the 200-level

Advanced Certificate, Advanced Proficiency

• 20 credits in a single language, including a minimum of 6 credits at the 200-level and 8 credits at the upper-level

Or

■ The Grade 12 level in a single language plus 14 additional credits, including a minimum of 6 credits at the 200-level and 8 credits at the upper-level

General Requirements

To be awarded a credential, the cumulative GPA for the required post-secondary courses must be at least 2.33. The grade point average for the required post secondary courses must be at least 2.33.

Students who achieve a grade point average for the required post secondary courses of at least 4.0 will have the notation "with distinction" added to the certificate [BK1].

At least 25% of the credits must be taken at UFV.

Credits may be earned through prior learning assessment. (Credits earned in this way do not count toward the 25% of the credits that must be taken at UFV.)

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Modern Languages

ufv.ca/mola

UFV offers university-level courses in <u>French</u>, <u>German</u>, <u>Halq'eméylem</u>, <u>Japanese</u>, <u>Mandarin</u>, <u>Punjabi</u>, <u>Spanish</u>, and <u>Russian</u>.

UFV's Modern Languages Institute offers <u>proficiency certificates</u> in several languages. <u>An Associate Certificate</u>, Intermediate <u>Proficiency certificates areis</u> offered in French, Halq'eméylem, Japanese, Mandarin, Russian, and Spanish, and <u>a Certificate</u>, Advanced <u>Proficiency is certificates are</u> offered in French, Russian, and Spanish. A French <u>major</u>, <u>extended minor</u>, and <u>minor</u> are also available.

Proficiency certificates in Modern Languages

UFV's Modern Languages Institute now offers proficiency certificates in several languages.

The <u>intermediate certificate Associate Certificate</u>, <u>Intermediate Proficiency</u> consists of successful completion of 12 UFV credits (i.e., two years) in a single language: 101, 102, plus two second-year courses, with a minimum 2.33 GPA.

The Certificate, Advanced Proficiency consists of successful completion of 20 credits in a single language, including a minimum of 6 credits at the 200-level and 8 credits at the upper-level.

<u>For both the above credentials, At-at least 25%</u> of the courses must be completed at UFV. Students who already have the 101/102 component, i.e., Grade 12 level, will be able to have the first-year requirement waived.

Students in any UFV program who meet the stated requirements of any proficiency in a single language, as outlined above, may apply for the corresponding associate certificate or certificate may apply for the certificate by completing a graduation application, available at the Office of the Registrar, by April 1 (all requirements must be met by April 30).

Some MOLA credentials are equivalent to proficiency standards in international language frameworks such as CERF (Common European Reference Framework). Please consult the department for information on equivalencies for specific MOLA credentials.

Students in any UFV program who achieve a GPA of at least 4.0 in all applicable language courses may apply for a certificate stating that they have completed the requirements "with distinction".

Students should be aware that course availability varies and should consult with the Modern Languages department to confirm current course availability.

Associate Certificates, Intermediate Proficiency are currently available for the following languages:

Intermediate certificate in French

FREN 101, 102, 219, and any one of FREN 215, 216, 225, or 230, with a minimum 2.33 GPA.

Intermediate certificate in Halq'eméylem

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HALQ 101, 102, 201, and 202 with a minimum 2.33 GPA.

Intermediate certificate in Japanese

JAPN 101, 102, 201, and 202 with a minimum 2.33 GPA.

Intermediate certificate in Mandarin

MAND 101, 102, 201, and 202 with a minimum 2.33 GPA.

Intermediate certificate in Russian

RUSS 101, 102, 201, and 202 with a minimum 2.33 GPA.

Intermediate certificate in Spanish

SPAN 101, 102, 201, and 202 with a minimum 2.33 GPA.

• The Intermediate certificate in Spanish is equivalent to the A2 level of the Common European Framework of Reference (CEFR) at the moment of completion.

Certificates, Advanced Proficiency are currently available for the following languages:

Advanced certificate in French

Completion of the requirements for the intermediate certificate in French, plus Any two of FREN 315, 319, 325, 330, or 345 with a minimum 2.33 GPA.

Advanced certificate in Russian

Completion of the requirements for the intermediate certificate in Russian, plus RUSS 311 and 321 with a minimum 2.33 GPA.

Advanced certificate in Spanish

Completion of the requirements for the intermediate certificate in Spanish, plus SPAN 301 and 302 with a minimum 2.33 GPA.

 The Advanced certificate in Spanish is equivalent to the B1 level of the Common European Framework of Reference (CEFR) at the moment of completion.

Graduation

Candidates who qualify to receive a UFV proficiency certificate in modern languages must be approved by the UFV <u>Department of Modern Languages Institute</u> and the <u>University College CouncilUFV Senate</u>. Students transferring to another institution before graduation should speak to the head of <u>the Modern Languages Institute</u> regarding the application process.

Course listings

For complete details on courses see the <u>course descriptions</u> section.

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MEMO

To: UEC

Re:

From: Randy Kelley, Director School of Trades

Date: 08/12/2016

Heavy Mechanical Trades - Level Two Apprenticeship

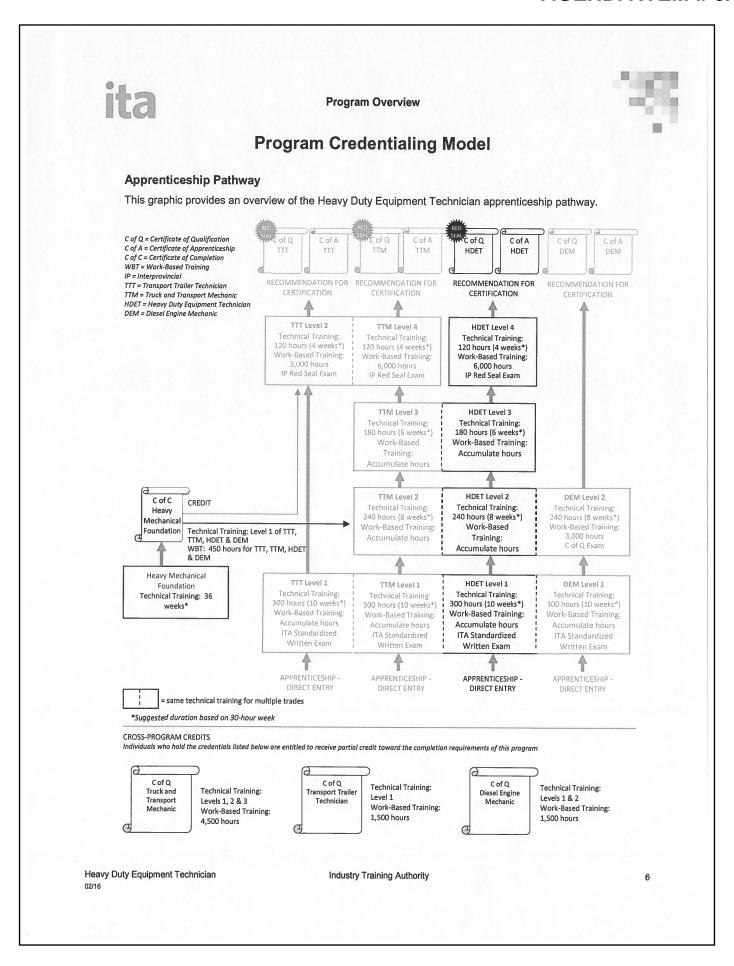
As information for UEC, Heavy Mechanical Apprenticeship Level Two has been added to programming offered by the Faculty of Applied and Technical Studies, School of Trades. This addition addresses technical education needs identified by the Industry Training Authority (ITA). This program is scheduled to start in January of 2017 and has a duration of eight weeks.

The curriculum for this program is as approved by the ITA and as outlined in the Official Program Standards Notifications. The following excerpts from the ITA's OPSN are attached; the Program Credentialing Model, the Occupational Analysis Chart, the Training Time and Suggested Topics, and the Program Content Guide for Level Two.

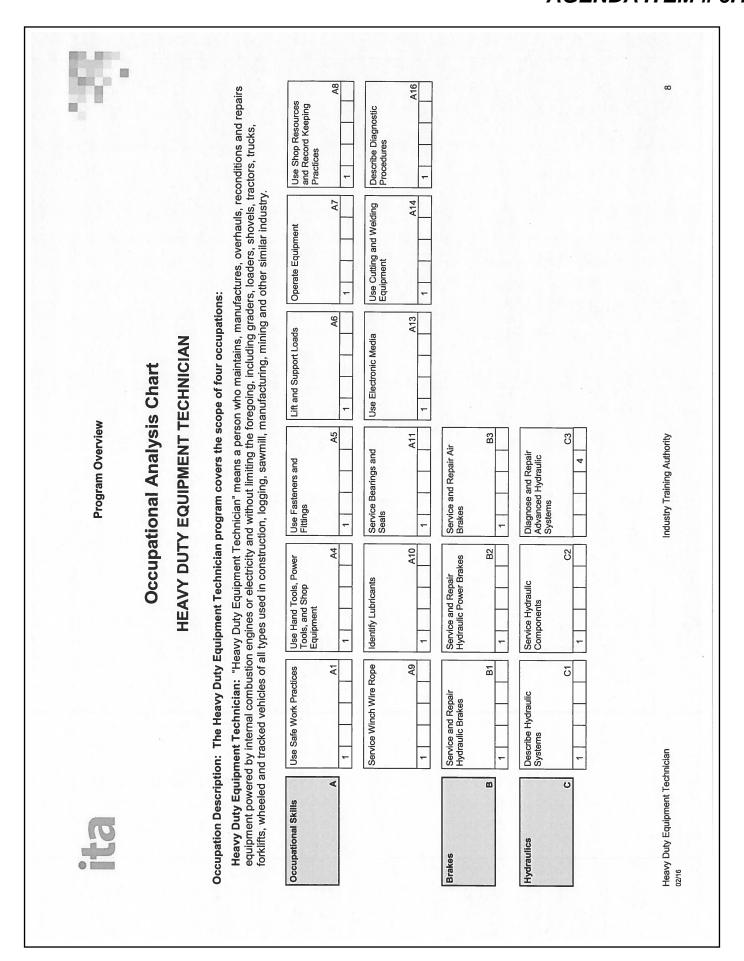
As with all apprenticeship programs, this technical training is taught with more emphasis on the theory and less time spent on practical assignments, as these students have all had industry experience.

We are able to offer this program to our students as a result of one-time funding from the Ministry of Advanced Education as part of the LNG priorities and funds have already been included in the Faculty's budget. This programming is in addition to our authorized training plan for the 2016/17 year.

This programming will provide opportunity for graduates of UFV's Heavy Mechanical Foundation and Level One programs to continue the technical education component of their apprenticeship here at UFV and eliminates the need for them to travel away from home. Further it helps contribute to province wide need for capacity for graduates of programs offered by other training providers.



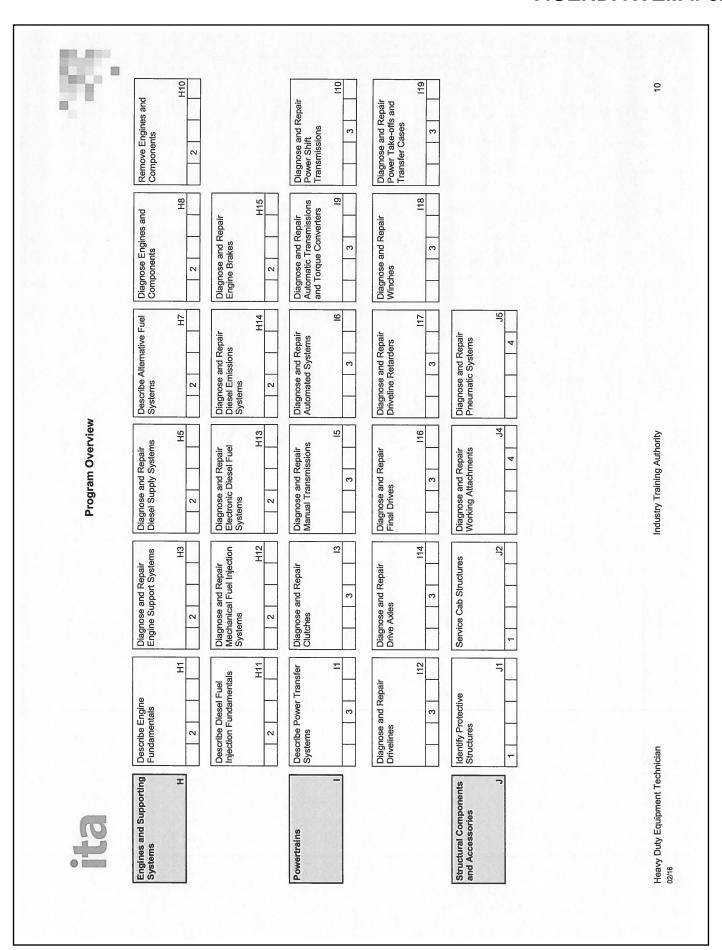
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Electrical Describe Electricity 1	city Use Electrical Testing Instruments D1 T D2				
Q	Use Electrical Testing Instruments D1 1				•
	1	Service and Diagnose Batteries	Service Charging Systems	Diagnose and Repair Charging Systems	Service Starting Systems
Diagnose and Ret Starting Systems		D3	D4	D5	1 D6
	tepair Service Electrical Circuits	Diagnose and Repair Electrical Components and Systems	Diagnose and Repair Electronic Components and Systems	Diagnose and Repair Vehicle Management Systems	Service, Diagnose and Repair Electric Drive Systems
2	D7 1 1 08	D9	D10	D11	D13
Service and Diagnose Tires, Wheels, and Hubs	gnose Service Steering Systems and Hubs	Service, Diagnose and Repair Suspension Systems	Diagnose and Repair Frames	Diagnose and Repair Wheeled Equipment Steering	Diagnose and Repair Track Machine Steering
Т	E1	1 E4	1 E6	E8	E9
Diagnose and Repair Undercarriage	epair				
	E10				
Trailer Accessories F	Gear and Service and Repair Coupling Systems	Service, Diagnose and Repair Trailer Body Components	Service, Diagnose and Repair Heating and Refrigeration Systems		
-	-	1			
Heating, Ventilation and Air Air Conditioning Air Conditioning Fundamentals G G 1	g and Air Diagnose and Repair Heating and Air Conditioning Systems				
Heavy Duty Equipment Technician		Industry Training Authority			ō

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Program Overview



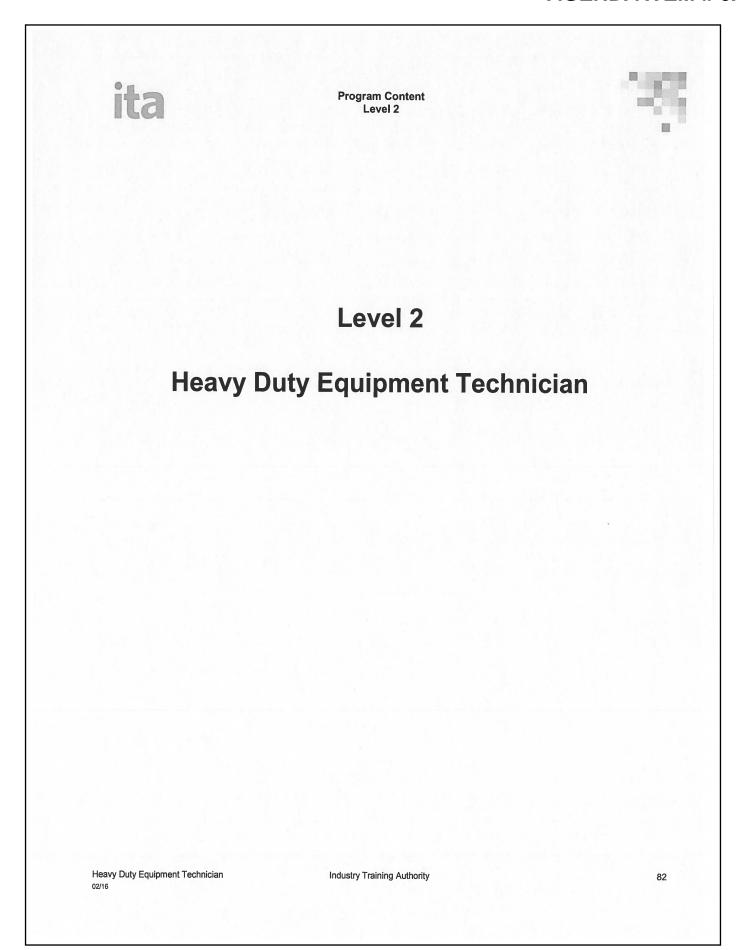
Training Topics and Suggested Time Allocation Heavy Duty Equipment Technician – Level 2

% of Time Allocated to:

		% of Time	Theory	Practical	Total
Line D	ELECTRICAL	25%	40%	60%	100%
D5	Diagnose and Repair Charging Systems		1	1	
D7	Diagnose and Repair Starting Systems		1	✓	
D9	Diagnose and Repair Electrical Components and Systems		1	✓	
D10	Diagnose and Repair Electronic Components and Systems	Į.	1	✓	
D11	Diagnose and Repair Vehicle Management Systems		1	1	
Line H	ENGINES AND SUPPORTING SYSTEMS	75%	50%	50%	100%
H1	Describe Engine Fundamentals	1	1		
H3	Diagnose and Repair Engine Support Systems	tan 12 h	1	✓	
H5	Diagnose and Repair Diesel Supply Systems		1	✓	
H7	Describe Alternative Fuel Systems		1		
H8	Diagnose Engines and Components	4	1	✓	
H10	Remove Engines and Components		1	✓	
H11	Describe Diesel Fuel Injection Fundamentals		1		
H12	Diagnose and Repair Mechanical Fuel Injection Systems		1	✓	
H13	Diagnose and Repair Electronic Diesel Fuel Systems		1	✓	
H14	Diagnose and Repair Diesel Emissions Systems		1	✓	
H15	Diagnose and Repair Engine Brakes		1	✓	
	Total Percentage for Heavy Duty Equipment Technician Level 2	100%			

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Industry Training Authority



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Program Content Level 2



Line (GAC):

D ELECTRICAL

Competency:

D5 Diagnose and Repair Charging Systems

Objectives

To be competent in this area, the individual must be able to:

- Describe charging system components.
- Describe the design and operation of charging systems.
- Perform inspection, diagnosis and repair of charging systems.

LE.	ARNING TASKS	CONTENT
1.	Review the charging systems	ComponentsOperation
2.	Describe the design and operation of alternator assemblies	 Alternator Rotor Stator Rectifier Brushes Regulators Field circuits Drive Cooling
3.	Diagnose charging systems	 Inspection Operation Testing System tests Component tests Voltage drop Shorts Opens Grounds High resistance Adjustments

Heavy Duty Equipment Technician 02/16

Industry Training Authority

Diagnostic codes



Program Content Level 2



LEARNING TASKS

4. Repair charging system components

CONTENT

- Inspection
- Remove
- Bench tests
- Repair/replace
- Rebuild
- Install
- Adjustments
- Lubrication
- Verify operation
- Scheduled maintenance
- Diagnostic codes

Achievement Criteria

Performance D5 Diagnose and Repair Charging Systems

Conditions

The learner will require:

- Tools
- Test equipment
- Manufacturer's Specifications
- A work place or training environment
- Equipment with functional charging circuits

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician

Industry Training Authority



Program Content Level 2



Line (GAC): D ELECTRICAL

Competency: D7 Diagnose and Repair Starting Systems

Objectives

To be competent in this area, the individual must be able to:

- Identify starting system components.
- Describe the design and operation of starting systems.
- Diagnose and repair starting systems and their components.

LEARNING TASKS

1. Review the starting systems

Diagnose starting systems

Describe the design and operation of starting motor assemblies

CONTENT

- Components
- Operation
- Motor
 - o Series
- o Parallel
- Drives
- Solenoids
- Control circuits
 - o Relays
 - o Switches
 - o Electronic Contol Unit (ECU)
- Armature
- Winding
- Brushes
- Counter-Electromotive Force (CEMF)
- Inspection
- Operation
- Testing
 - System test
 - Component test
 - Voltage drop
 - o Shorts
 - o Opens
 - o Grounds
 - o High resistance

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



LEARNING TASKS

4. Repair starting system components

CONTENT

- Inspection
- Remove
- Bench tests
- Install
- Adjustments
- Lubrication
- Verify operation
- Scheduled maintenance
- Rebuild
- Replace

Achievement Criteria

-

Performance D7 Diagnose and Repair Starting Systems

Conditions

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- A work place or training environment
- Equipment with functional starter circuit

Criteria

The learner will be competent once the performance criteria is met:

- · Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of context

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

ELECTRICAL

Competency:

Diagnose and Repair Electrical Components & Systems

Objectives

To be competent in this area, the individual must be able to:

- Identify electrical components.
- Identify electrical systems.
- Diagnose and repair electrical systems and components.

LE	ARNING TASKS	CONTENT
1.	Review the electrical systems	ComponentsOperation
2.	Diagnose components and systems	Sensory inspectionDiagnostic toolsTest procedureWiring schematics
3.	Repair components and systems	 Repair connections Replace components Splice, solder, crimp Apply connection sealant

Achievement Criteria

Performance D9 Diagnose and Repair Electrical Components and Systems

Conditions

The learner will require:

- Tools
- Test equipment
- Manufacturer's Specifications
- A work place or training environment
- Equipment with electric components and systems

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician

Industry Training Authority



Program Content Level 2



Line (GAC):

D ELECTRICAL

Competency:

D10 Diagnose and Repair Electronic Components and Systems

Objectives

To be competent in this area, the individual must be able to:

- · Identify electronic components.
- · Identify electronic systems.
- · Diagnose and repair systems and components.

LEARNING TASKS

1. Describe components of the electronic system

CONTENT

- Components
 - o LED
 - Actuators
 - Circuit board
 - Multi-function controls
 - o Wiring
 - o Connectors
 - o Data links
 - o Communication plug
 - Sensors
 - o Electronic Control Module (ECM)
 - o Termination resistors
- · CAN data bus
 - o J1587
 - o J1708
 - o J1939
- · Supplemental restrainant system
- GPS
- 2. Diagnose electronic components and systems
- Diagnostic tools
- OEM test procedure
- Sensory inspection
- Schematics
- 3. Repair electronic components and systems
- Replace components
- Electrostatic discharge
- Calibrate
- Reprogram
- Repair wiring and connectors

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Achievement Criteria

Performance

D10 Diagnose and Repair Electronic Components and Systems

Conditions

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- Equipment with electric components and systems

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

D ELECTRICAL

Competency:

D11 Diagnose and Repair Vehicle Management Systems

Objectives

To be competent in this area, the individual must be able to:

- · Describe a vehicle management system.
- Diagnose and repair vehicle management systems.

LEARNING TASKS

1. Describe vehicle management systems

CONTENT

- Dash displays
- Electronic Control Module (ECM)
- Satellite tracking
- Multiplexing
 - o CAN data bus
 - J1587
 - J1708
 - J1939
- Communication protocols
- Diagnostic procedures
- Interpret test results
- Test equipment
- Codes
- B. Repair vehicle management systems

Diagnose vehicle management systems

- Replace components
- Re-program Electronic Control Module (ECM)
- Component replacement
- Repair wiring and connections
- Update software

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Achievement Criteria

Performance

D11 Diagnose and Repair Vehicle Management Systems

Conditions

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- Equipment with electric components and systems

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- · Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H1 Describe Engine Fundamentals

Objectives

To be competent in this area, the individual must be able to:

- Describe the combustion process.
- Describe terminology and perform calculations related to engines.
- Describe the principles of operation of two and four stroke cycle internal combustion engines.

LEARNING TASKS

1. Describe the combustion process

CONTENT

- Composition of air
- Composition of fossil fuels
- Requirements of combustion
- · Combining air, fuel and heat
 - o Heat value and energy of fuel
 - o By-products of combustion
- Describe terminology and perform calculations related to engines
- · Concepts of
- Work
- Energy
 - o Heat
 - o BTU's
 - o Joules
- Inertia
- Friction
- Power
- Kilowatts
- Horsepower
- Bore and stroke
- Displacement
- Compression ratio
- Torque
- Volumetric efficiency
- Metric and Imperial formula





LEARNING TASKS

 Describe internal combustion engine classifications

Describe the operation of four stroke internal

Describe the operation of two stroke internal

combustion engines

combustion engines

CONTENT

- Fuel
 - o Gasoline
 - o Diesel
 - Compressed natural gas
 (CNG)/Liquefied natural gas (LNG)
 - o Liquefied petroleum gas (LPG)
- Cooling
 - o Air
 - o Liquid
- Ignition
- Number of cylinders
- Firing order
- Cycle type
- Cylinder configuration
- Aspiration
- Rotation
- Stroke Cycle
 - o Intake
 - o Compression
 - o Power
 - o Exhaust
- Scavenging
- Stroke Cycle
 - o Intake
 - o Compression
 - o Power
 - o Exhaust
- Scavenging

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC): H ENGINES AND SUPPORTING SYSTEMS
Competency: H3 Diagnose and Repair Engine Support Systems

Objectives

To be competent in this area, the individual must be able to:

- Describe engine support systems.
- Diagnose and repair engine support systems.

LEA	ARNING TASKS	CONTENT
1.	Describe cooling systems	 Types Liquid Air Coolants Types Components Coolant system Radiator/pressure cap Thermostat Expansion/surge tank Fan system Shutter system Operation
2.	Diagnose cooling systems	 Operational test Diagnostic codes Components Inspection Testing Pressure Specific gravity Additives
3.	Repair systems and their components	 Inspection Remove Repair/replace Rebuild Install Adjustments Verify system operation Diagnostic codes

Heavy Duty Equipment Technician 02/16

Industry Training Authority





LEARNING TASKS

4. Describe lubrication systems

CONTENT

- Types
- Components
 - Filters/bypass
 - o Pumps
 - Pressure regulators
 - o Coolers
- Operation
- Pressure tests
- Diagnostic codes
- Components
- Inspection
- Testing
- 6. Repair lubrication systems and components

Diagnose lubrication systems

- Remove
- Repair/replace
- Rebuild
- Install
- Adjustments
- Verify system operation
- 7. Describe air induction systems
- Types
- Components
 - o Filters
 - o Ducting
 - o Coolers
 - o Warning devices
- Naturally aspirated type
- Boosted type
- Operation
- 8. Diagnose air induction systems
- Diagnostic codes
- Components
- Inspection
- Testing
- 9. Repair air induction systems and components
- Precautions
- Inspection
- Remove
- Repair/replace
- Install
- Verify system operation

Heavy Duty Equipment Technician 02/16

Industry Training Authority





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10. Describe exhaust systems

CONTENT

- Types
 - Marine
 - Conventional
 - Components
 - o Mufflers
 - Manifold
 - o Emission systems
 - Operation

11. Diagnose exhaust systems

- Components
- Inspection
- Testing
- 12. Repair exhaust systems and their components
- Remove
- Repair/replace
- Install
- Adjustments
- Verify system operation

Achievement Criteria

Performance

H3 Diagnose and Repair Engine Support Systems

Conditions

The learner will require:

- Tools
- Test equipment
- Manufacturer's Specifications
- A work place or training environment
- Equipment with functional diesel engines

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H5 Diagnose and Repair Diesel Supply Systems

Objectives

To be competent in this area, the individual must be able to:

- Describe diesel fuel supply circuits and their components.
- Perform diagnostics and repairs on diesel supply circuits.

LEARNING TASKS

CONTENT

1. Describe diesel fuel supply circuits

- Types
- Components
 - o Tank
 - o Lines
 - o Primary/secondary filter
 - Water separators
 - o Pumps
- Operation
- 2. Diagnose diesel fuel supply circuits
- Diagnostic codes
- Components
- Inspection
- Testing
- Pressure
 - VacuumAir leaks
 - o Flow

- 3. Repair diesel fuel supply circuits
- Remove
- Repair/replace
- Rebuild
- Install
- Adjustments
- Verify system operation

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Achievement Criteria

Performance

H5 Diagnose and Repair Diesel Supply Systems

Conditions

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- · Equipment with functional diesel engines

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- · Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H7 Describe Alternative Fuel Systems

Objectives

To be competent in this area, the individual must be able to:

- Describe the characteristics of liquefied petroleum gas (LPG).
- Identify the components of an LPG system.

LEARNING TASKS

- Describe the characteristics of liquefied petroleum gas (LPG)
- Identify the components that make up an LPG fuel system
- Describe the characteristics of compressed natural gas (CNG) and liquefied natural gas (LNG)
- 4. Identify the components that make up an CNG/LNG fuel system

CONTENT

- Physical properties
- Heat value
- Storage considerations
- Tank
- Lines
- Filters
- Valves
- · Physical properties
- Heat value
- · Storage considerations
- Tank
- Lines
- Filters
- Valves

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H8 Diagnose Engines and Components

Objectives

To be competent in this area, the individual must be able to:

· Diagnose and identify problems on a diesel engine.

LEARNING TASKS

Perform diagnostic procedures

CONTENT

- · Types of problems
 - o Lack of power
 - o Hard starting
 - o Rough running
 - Frequent stalling
 - Variations in exhaust xmoke
 - o Abnormal engine temperature
 - o Abnormal oil consumption
 - o Abnormal coolant consumption
 - o Excessive vibration and noise
 - o No start
- · Types of tests
 - o Blow-by
 - o Compression
 - o Boost pressure
 - o Oil pressure/coolant system pressure
 - o Cylinder balance
 - Valve adjustment
 - o Diagnostic codes
 - o Performance
 - o Exhaust temperature
 - o Dye testing
 - o Engine oil analysis

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Achievement Criteria

Performance

H8 Diagnose Engine and Components

Conditions The

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- Equipment with functional diesel engines

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- · Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority





Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H10 Repair Engines and Components

Objectives

To be competent in this area, the individual must be able to:

- Describe the construction and operation of engine components.
- Overhaul a diesel engine.
- · Perform initial start up procedures.

LEARNING TASI	KS	S	А	L	G	V	l	H	ľ	ヾ	d	Α	ᆫ	L
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- Describe the construction and operation of engine components
- 2. Prepare for overhaul
- 3. Disassemble engine
- 4. Repair or replace components

CONTENT

- Head
- Valve train
- Block
- Internal components
- Attachments
- Safety
- Types of overhaul
 - o Inframe
 - o Removal
- Cleaning
- Removal of attachments
- Environmental concerns
- Inspection
- Failure analysis
- Engine measurements
- Determine parts and component requirements
- Cleaning and care of components
- Crankshaft
- Camshaft
- Liners
- Pistons
- Bearings

Heavy Duty Equipment Technician 02/16

Industry Training Authority





LEARNING TASKS

5. Reassemble an engine

CONTENT

- Assembly measurements
 - Liner protrusion
 - Ring gap
 - Bearing clearance
 - o End play
- Pre-lube of components
- Timing
- Mounting of attachments
- Prepare for installation or storage
- Pre-lube lubrication system
- Prime fuel systems
- Pre-start procedure
- Start up procedure
- Monitor engine operation
- Break-in procedure
- Operational checks

Achievement Criteria

Performance H10 Repair Engines and Components

Conditions

The learner will require:

Tools

Perform break-in of engine

- Test equipment
- Manufacturer's Specifications
- A work place or training environment
- Equipment with functional diesel engines

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H11 Describe Diesel Fuel Injection Fundamentals

Objectives

To be competent in this area, the individual must be able to:

- · Describe the characteristics of diesel fuel.
- Describe the combustion process.
- · Describe the requirements of a diesel fuel injection system.

LEARNING TASKS

1. Describe characteristics of diesel fuel

Describe the combustion process

CONTENT

- Types
 - o Low sulfur
 - o Ultra low sulfur
 - o Bio-diesel
- Grades
- Characteristics
 - Viscosity
 - o Cetane
 - o Rating
 - o Number
 - o Flash point
 - o Cloud point
 - o Sulfur content
 - API gravity
- Distilation
- Summer/winter fuel
- Storage
- Disposal
- Safety precautions
- Compression ignition
- Stages of combustion
- Direct injection
- Indirect njection

Heavy Duty Equipment Technician 02/16

Industry Training Authority





Line (GAC): H ENGINES AND SUPPORTING SYSTEMS

Competency: H12 Diagnose and Repair Mechanical Fuel Injection Systems

Objectives

To be competent in this area, the individual must be able to:

- Describe the design and operation of mechanical fuel injection systems.
- Diagnose and service mechanical fuel injection systems.

LEARNING TASKS	CONTENT
Describe the theory of diesel fuel injection	Requirements of injection systemsPrinciplesGovernors
Describe fuel injection systems	 Principles Hydraulically actuated Mechanically actuated Low pressure High pressure
Diagnose fuel injection systems	ProceduresInspectionTesting
4. Repair fuel injection systems	Injector replacementInjector adjustmentPump timingRepair/replace
5. Describe hydraulic and mechanical injectors	TypesComponentsOperations
Diagnose hydraulic and mechanical injectors	ProceduresInspectionTesting

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Achievement Criteria

Performance

H12 Diagnose and Repair Mechanical Fuel Injection Systems

Conditions

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- · Equipment with mechanical diesel fuel injection systems

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority





Line (GAC): H ENGINES AND SUPPORTING SYSTEMS

Competency: H13 Diagnose and Repair Electronic Diesel Fuel Systems

Objectives

To be competent in this area, the individual must be able to:

- Describe electronically controlled diesel fuel systems.
- Identify electronic diesel fuel systems.
- Describe the necessary conditions for the engine to start.
- Diagnose electronic fuel systems.
- Repair electronic fuel systems.

LE/	ARNING TASKS	C	ONTENT
1.	Describe electronic control of diesel fuel systems	•	Components
		•	Operation
		•	Inputs
		•	Processing
		•	Outputs
2.	Identify electronic diesel fuel systems	•	Types
		•	Partial authority
			o Port and helix
			o Distributor
		•	Full authority
		•	Electronic Unit Injectors (EUI)
		•	Electronic Unit Pump (EUP)
		•	Hydraulic Electronic Unit Injector (HEUI)
		٠	High Pressure Injector – Time Pressure (HPI-TP)
		•	High Pressure Common Rail (HPCR)
3.	Describe the necessary conditions for the engine	•	Power to ECM
	to start	•	Connections
		•	Fuses
		•	Grounds
		•	Engine Position Signal
		•	Sensor/adjustment
		•	Fuel supply
4.	Diagnose full authority (EUI, EUP, HEUI, HPI-TP,	•	Diagnostic procedures
	HPCR) fuel systems	•	Operational test
		•	Diagnostic codes
		•	Components
		•	Inspection
		•	Testing

Heavy Duty Equipment Technician 02/16

Industry Training Authority





LEARNING TASKS

 Repair full authority (EUI, EUP, HEUI, HPI-TP, HPCR) fuel systems

CONTENT

- Inspection
- Remove
- Repair/replace
- Install
- Adjustments/calibrate
- Lubrication
- Verify systems operation
- Diagnostic codes

Achievement Criteria

Performance

H13 Diagnose and Repair Electronic Diesel Fuel Systems

Conditions

The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- Equipment with electronic diesel fuel system

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



Program Content Level 2



Line (GAC):

H ENGINES AND SUPPORTING SYSTEMS

Competency:

H14 Diagnose and Repair Diesel Emissions Systems

Objectives

To be competent in this area, the individual must be able to:

- · Describe the causes and effects of harmful emissions.
- · Describe emission systems.
- · Diagnose and repair emission systems.

LEARNING TASKS

Describe the causes and effects of harmful emissions

CONTENT

- Combustion process
- Byproducts
- Causes
- Effects
- Environmental
- Health
- Smog
- Solutions
- Legislation
- 2. Describe the emission systems on diesel engines
 - Systems
 - · Components and controls
 - o Diesel particulate filters (DPF)
 - o Selective catalytic reduction (SCR)
 - Oxygen catalyist (OC)
 - Exhaust gas recirculation (EGR)
 - o Sensors
 - Exhaust systems
 - Operation
- 3. Diagnose emission systems on diesel engines
- Diagnostic codes
- Components
- Inspection
- Testing

Heavy Duty Equipment Technician 02/16

Industry Training Authority





LEARNING TASKS

4. Repair emission systems on diesel engines

CONTENT

- Inspection
- Remove
- **DPF** cleaning
- Repair/replace
- Regeneration
 - o Passive
 - Active
 - o Stationary
- Install
- Verify systems operation
- Diagnostic codes

Achievement Criteria

Performance H14 Diagnose and Repair Diesel Emission Systems

Conditions

The learner will require:

- Tools
- Test equipment
- Manufacturer's Specifications
- A work place or training environment
- Equipment with functional exhaust emissions systems

Criteria

The learner will be competent once the performance criteria is met:

- Followed safe work practices throughout entire task including lock out procedures
- Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician

Industry Training Authority





Line (GAC): H ENGINES AND SUPPORTING SYSTEMS

Competency: H15 Diagnose and Repair Engine Brakes

Objectives

To be competent in this area, the individual must be able to:

- · Describe engine brakes.
- Diagnosis and repair engine brakes.

LE.	ARNING TASKS	CONTENT
1.	Describe engine brakes	 Types Compression Exhaust Hydraulic Components Operation
2.	Diagnose engine brakes	Diagnostic proceduresDiagnostic codesInspectionTesting
3.	Repair engine brakes	 Remove Repair/replace Install Adjustments Verify system operation Diagnostic codes

Achievement Criteria

Performance H15 Diagnose and Repair Engine Brakes

Conditions The learner will require:

- Tools
- Test equipment
- · Manufacturer's Specifications
- · A work place or training environment
- Equipment with engine brakes

Criteria The learner will be competent once the performance criteria is met

- Followed safe work practices throughout entire task including lock out procedures
- · Conducted in a logical manner
- Conducted according to manufacturer's specifications
- Conducted according to work place requirements

Throughout the term of the apprenticeship, the learner must conduct the above performance a multiple of times and in a variety of contexts

Heavy Duty Equipment Technician 02/16

Industry Training Authority



MEMO

To: UEC

From: Randy Kelley, Director School of Trades

Date: 08/12/2016

Re: Plumbing – Level Two Apprenticeship

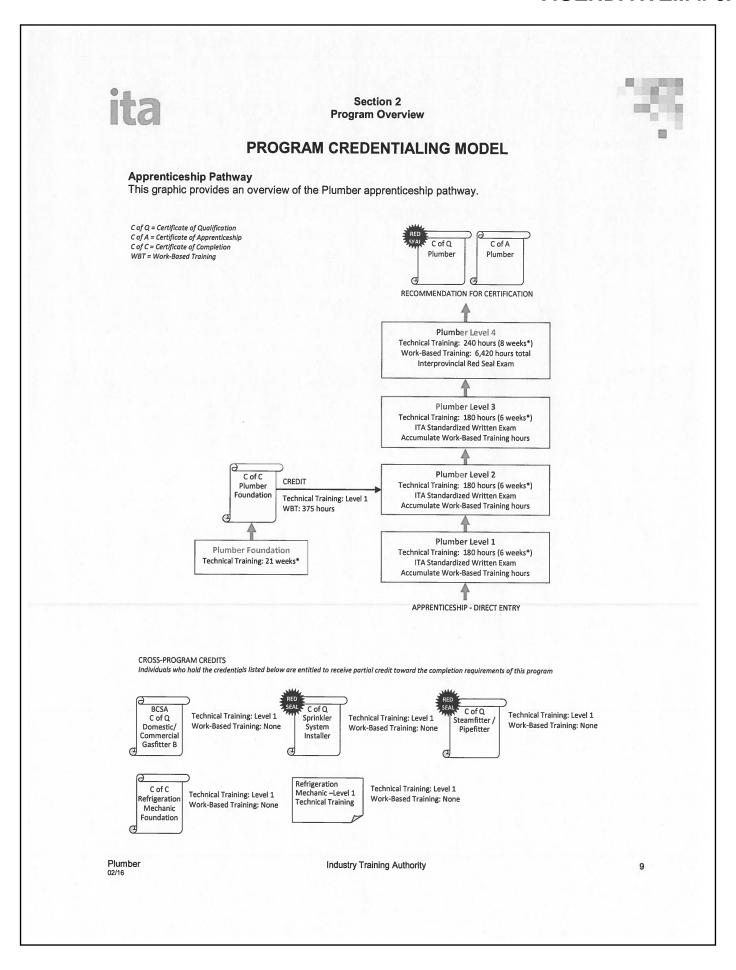
As information for UEC, Heavy Mechanical Apprenticeship Level Two has been added to programming offered by the Faculty of Applied and Technical Studies, School of Trades. This addition addresses technical education needs identified by the Industry Training Authority (ITA). This program is scheduled to start in March 2017 and has a duration of six weeks.

The curriculum for this program is as approved by the ITA and as outlined in the Official Program Standards Notifications. The following excerpts from the ITA's OPSN are attached; the Program Credentialing Model, the Occupational Analysis Chart, the Training Time and Suggested Topics, and the Program Content Guide for Level Two.

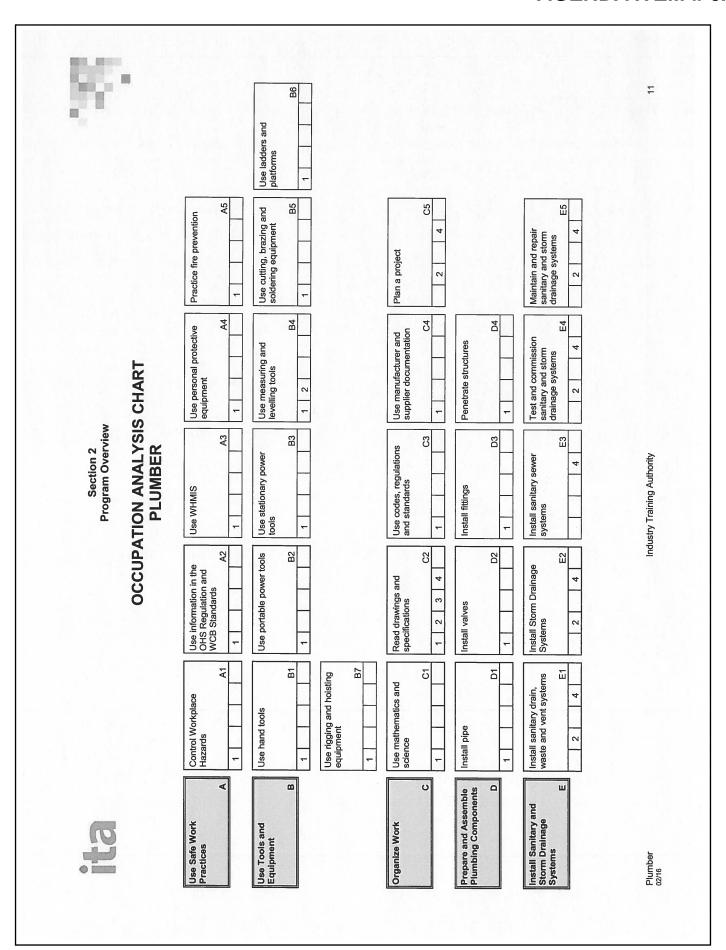
As with all apprenticeship programs, this technical training is taught with more emphasis on the theory and less time spent on practical assignments, as these students have all had industry experience.

We are able to offer this program to our students as a result of one-time funding from the Ministry of Advanced Education. Funds have already been included in the Faculty's budget. This programming is in addition to our authorized training plan for the 2016/17 year.

This programming will provide opportunity for graduates of UFV's Plumbing Foundation program to continue the technical education component of their apprenticeship here at UFV and eliminates the need for them to travel away from home. Further it helps contribute to province wide need for capacity for graduates of Foundation and Level One programs offered by other training providers.



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ita			Section 2 Program Overview			
Install Private Sewage Systems	Install private sewage disposal systems F1	Maintain and repair sewage disposal systems F2				
Install Water Service and Distribution	Install water services G1	Install potable water distribution systems G2	Install private potable water supply systems G3	Install water treatment systems G4	Test and commission potable water systems G5	Maintain and repair potable water systems G6
Install Fixtures and Appliances	Install fixtures and trim H1	Install appliances H2	Test and commission fixtures and appliances H3	Maintain and repair fixtures and appliances H4		
Install Hydronic Heating and Cooling	Describe the operation of hydronic heating and cooling piping systems	Install hydronic heating and cooling systems	Test and commission hydronic systems	Maintain and repair hydronic systems		
Systems	Install medical gas systems	Install irrigation systems	Install compressed air systems J3	Install fire protection systems J4	Test and commission specialized systems J5	Maintain and repair specialized systems J6
Apply Plumbing Principles	Apply Plumbing Principles K1					
Install Natural Gas and Propane Systems	Install and Service Fuel Systems L1 3 4	Install and Service Gas Equipment L2	Install Venting and Air Supply L3	Install and Service Controls and Safeguards L4	Use gas codes, regulations and standards	
Plumber 02/16		npul	Industry Training Authority			12

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Section 2 Program Overview

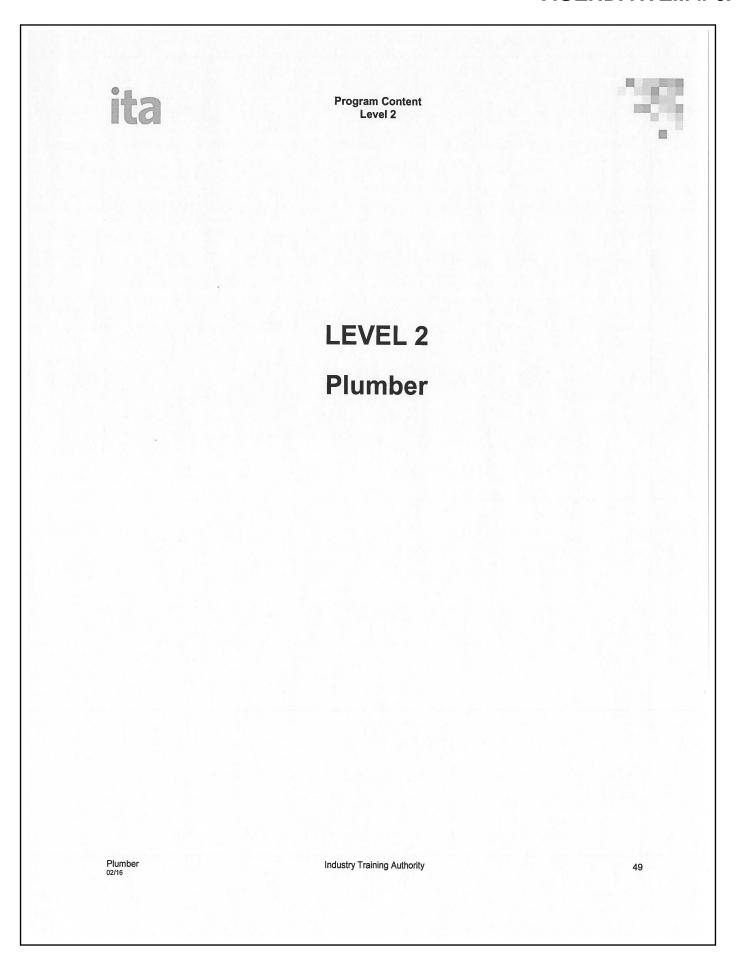


SUGGESTED SCHEDULE OF TIME ALLOTMENT FOR PLUMBER LEVEL TWO

		Theory %	Practical %
Line B	Use Tools and Equipment	3	6
B-4	Use Measuring and Levelling Tools	100	1
Line C	Organize Work	3	15
C-2	Read Drawings and Specifications	40	1
C-5	Plan a Project	60	1
Line E	Install Sanitary and Storm Drainage Systems	50	50
E-1	Install Sanitary Drain, Waste and Vent Systems	80	1
E-2	Install Storm Drainage Systems	10	
E-4	Test and Commission Sanitary and Storm Drainage Systems	5	
E-5	Maintain and Repair Sanitary and Storm Drainage Systems	5	
Line H	Install Fixtures and Appliances	10	
H-1	Install Fixtures and Trim	30	
H-2	Install Appliances	30	
H-3	Test and Commission Fixtures and Appliances	10	
H-4	Maintain and Repair Fixtures and Appliances	30	
Line I	Install Hydronic Heating and Cooling	30	29
I-1	Describe the operation of Hydronic Heating and Cooling Piping Systems	40	
I-2	Install Hydronic Heating and Cooling Systems	40	✓
1-3	Test and Commission Hydronic Systems	10	
I-4	Maintain and Repair Hydronic Systems	10	
Line J	Install Specialized Systems	4	
J-2	Install Medical Gas Systems	40	
J-4	Install Compressed Air Systems	40	
J-6	Test and Commission Specialized Systems	10	
J-7	Maintain and Repair Specialized Systems	10	
	Total Percentage for Level 2	100%	100%

The composite level mark is to consist of 63% theory and 37% practical.

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USE TOOLS AND EQUIPMENT

Competency:

Use Measuring and Levelling Tools

Learning Objectives:

The learner will be able to describe the use of levelling equipment.

LEARNING TASKS

- Describe levelling equipment used in the plumbing trade to establish elevations
- Builder's level

CONTENT

- Laser levels
- Level rods and scales
- Use levelling equipment to establish elevations
- Grade and pitch calculations
- **Procedures**
- Manufacturers' documentation
- Inspection
- Adjustment
- Maintenance
- Storage

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Achievement Criteria:

Criteria

Performance The learner will establish 10 sights

The learner will be given: Conditions

Sights Specifications

Levelling equipment

The learner will score 70% or better on a rating sheet that reflects the following

Accurate to within specifications



Industry Training Authority





LINE C:

ORGANIZE WORK

Competency:

Read Drawings and Specifications C-2

Learning Objectives:

The learner will be able to create plan and isometric drawings of residential piping systems.

П	F	AR	N	IN	G	T	22	KS

CONTENT

Create isometric drawings of piping

systems

Lettering Line type

Information to be contained

Detail required Dimensioning

Pipe sizing

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Achievement Criteria:

The learner will create a plan view of a residential piping system from an Performance

architectural drawing.

Conditions The learner will be given:

Architectural drawing Drawing instruments

Criteria The learner will score 70% or better on a rating sheet that reflects the following

criteria: Done to code

Efficient routing of piping

Performance The learner will create an isometric projection from a plan view of a residential piping

system.

Conditions The learner will be given:

Orthographic projections

Criteria The learner will score 70% or better on a rating sheet that reflects the following

criteria:

Utilization of an isometric axis

Proportional Correct symbols

Plumber 02/16

Industry Training Authority





LINE C:

ORGANIZE WORK

Competency:

C-5 Plan a Project

Learning Objectives:

- 1 The learner will be able to plan a residential plumbing project.
- 2 The learner will be able to select the proper procedure for handling plumbing materials.

LEARNING TASKS

Describe organization of a residential project

CONTENT

- Project specifications
- Safety
- Sequence of operation
- Prioritization
- Coordination with other trades
- Estimate material
- Tools and equipment
- Inventory requirements
 - Secure storage
 - Time delivery
 - Labelling materials
 - Stock maintenance
 - Consumables
- Checklist utilization
- Cost efficiency
- Post job efficiency analysis
- 2 Describe considerations when handling plumbing materials
- Safety
- Availability
- Storage
- Timing/sequencing
- Transportation
- Hoisting and rigging
- Work platforms
- Labelling
- Moving
- Product protection
- Disposal
- Recycling
- 3 Select procedures for handling plumbing materials
- Safety
- Procedures
- Securing
- Packaging/Shipping

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber

Industry Training Authority



Program Content Level 2

Achievement Criteria:

Performance The learner will create a materials take-off list. Conditions The learner will be given:

Drawings
The learner will score 70% or better on a rating sheet that reflects the following Criteria

criteria: Accurate Complete Efficiency

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Industry Training Authority

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INFORMATION ITEMS





LINE E: INST

INSTALL SANITARY AND STORM DRAINAGE SYSTEMS

Competency: E-1 Install Sanitary Drain, Waste and Vent Systems

Learning Objectives:

1 The learner will be able to install sanitary drain, waste and vent systems as per code requirements.

LEARNING TASKS

- Describe terminology used in interior drain-waste-vent systems
- Describe the functions of pipes in an interior drain-waste-vent system
- 3 Interpret Code requirements for parts of an interior drain-waste-vent system

CONTENT

- Definitions in the BC Plumbing Code
- Parts of a drain-waste-vent system
- Function
- Types of piping
- Size
- Slopes
- Fittings
 - Orientation
 - Prohibitions
- Traps
- Cleanouts
- Venting
- · Hangers and supports
 - Spacing
 - Seismic
- Jointing practices
- 4 Plan the layout of an interior drain-wastevent system
- Location of structure penetrations
- Routing
- Pipe supports
- 5 Install drain-waste-vent systems
- Safety
- Tools and equipment
- · Determination of slopes
- Installation of components
- · Location of cleanouts
- Testing
- Inspection
- Sealing of penetrations

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16

Industry Training Authority



Program Content Level 2



Achievement Criteria:

Performance The learner will install the drain, waste and vent for a bathroom group.

Conditions The learner will be given:

Specifications

Tools and materials

Criteria The learner will score 70% or better on a rating sheet that reflects the following

criteria: Accuracy Grade

Piping support Code requirements Testing requirements

Plumber 02/16 Industry Training Authority

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LINE E:

INSTALL SANITARY AND STORM DRAINAGE SYSTEMS

Competency:

E-2 Install Storm Drainage Systems

Learning Objectives:

1 The learner will be able to install storm drainage systems as per code requirements.

LEARNING TASKS

- Describe terminology used in storm drainage systems
- 2 Describe the functions of pipes in storm drainage systems
- 3 Interpret Code requirements for parts of storm drainage systems

CONTENT

- Definitions in the BC Plumbing Code
- Parts
- Function
- Types of piping
- Size
- Slopes
- Fittings
 - Orientation
 - Prohibitions
- Traps
- Cleanouts
- Venting
- Hangers and supports
 - Spacing
 - Seismic
- Jointing practices
- Insulation
- 4 Plan the layout of a storm drainage system
- · Location of structure penetrations
- Routing
- Pipe supports
- Install storm drainage systems

 Safety
 - · Tools and equipment
 - Determination of slopesInstallation of components
 - Location of cleanouts
 - Testing
 - Inspection
 - Sealing of penetrations

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16 Industry Training Authority

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LINE E:

INSTALL SANITARY AND STORM DRAINAGE SYSTEMS

Competency:

E-4 Test and Commission Sanitary and Storm Drainage Systems

Learning Objectives:

1 The learner will be able to test and commission sanitary and storm drainage systems as per the BC Building Code.

LEARNING TASKS

- Identify code and requirements affecting testing of DWV systems.
- 2 Explain testing methods.

CONTENT

- B.C. Plumbing Code
- Authority having jurisdiction
- Safety
- Equipment
- Procedure
- Duration
- Inspection
- Documentation

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber

Industry Training Authority





LINE E:

INSTALL SANITARY AND STORM SYSTEMS

Competency:

E-5 Maintain and Repair Sanitary and Storm Drainage Systems

Learning Objectives:

The learner will be able to maintain and repair sanitary and storm drainage systems.

LEARNING TASKS

Describe the use of drain cleaning equipment

CONTENT

- Video inspection
 Pipe locators
- Drain augers
- Water blasters
- Steam cleaning
- Shop vacuum

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

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LINE H:

INSTALL FIXTURES AND APPLIANCES

Competency:

H-1 Install Fixtures and Trim

Learning Objectives:

1 The learner will be able to install fixtures and trim.

LEARNING TASKS

- Describe the installation of fixtures and trim
- Types
- Types
- Fixtures and trim
 - Residential
 - Commercial
 - InstitutionalMaterials and finishes
- Purpose
- Supports
 - Carriers
 - Blocking
 - Wall hangers
- Fasteners
- Chaulking
- Barrier-free requirements and regulations

CONTENT

2 Install fixtures and trim

- Manufacturers documentation
- Protection during installation
- Mounting heights
- Levelling
- Layout
- Tools and equipment
- Assembly
- Mounting
- Connection to water distribution systems and drainage
- Application of sealants
- Adjustment of settings
- Coordination of connection of power

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

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INFORMATION ITEMS



LINE H:

Program Content Level 2

INSTALL FIXTURES AND TRIM

Competency: H-2 Install Appliances

Learning Objectives:

1 The learner will be able to install appliances.

LEARNING TASKS

- Describe the installation of appliances
- Types
 - Appliances
 - Residential
 - CommercialInstitutional
 - Materials and finishes
 - Purpose
 - Supports

2 Install appliances

- Manufacturers documentation
- Protection during installation
- Mounting heights
- Layout
- Tools and equipment
- Assembly
- Mounting
- Connection to water distribution systems and

CONTENT

- drainage
- Application of sealants
- Adjustment of settings
- Coordination of connection of power

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber Industry Training Authority

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LINE H:

INSTALL FIXTURES AND APPLIANCES

Competency: H-3 Test and Commission Fixtures and Appliances

Learning Objectives:

1 The learner will be able to test and commission fixtures and appliances.

LEARNING TASKS

- Describe the process of testing the correct operation of fixtures and appliances.
- 2 Test and commission fixtures and appliances

CONTENT

- Manufacturer's literature
- Flushing
- Temperature checks
- Set pressure
- Set sensor ranges
- Set levels

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber Industry Training Authority

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LINE H:

INSTALL FIXTURES AND APPLIANCES

Competency:

H-4 Maintain and Repair Fixtures and Appliances

Learning Objectives:

The learner will be able to explain the procedures to maintain and repair fixtures and appliances.

	LEARNING TASKS	CONTENT
1	Describe the operation of fixtures and appliances	 Parts Mechanical Electrical Purpose Operation
2	Perform the maintenance procedures for fixtures and appliances	 Appurtenances Faucet repair Mixing and tempering valves Water closet repair Flush valve repair
3	Perform the repair procedures for fixtures and appliances	 Troubleshooting Isolation Replacement Tools Warranty

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16 Industry Training Authority





LINE I:

INSTALL HYDRONIC HEATING AND COOLING

Competency:

I-1 Describe the Operation of Hydronic Heating and Cooling Systems

Learning Objectives:

The learner will be able to describe the operation of hydronic heating and cooling piping.

LEARNING TASKS

Describe the principles of electrical controls

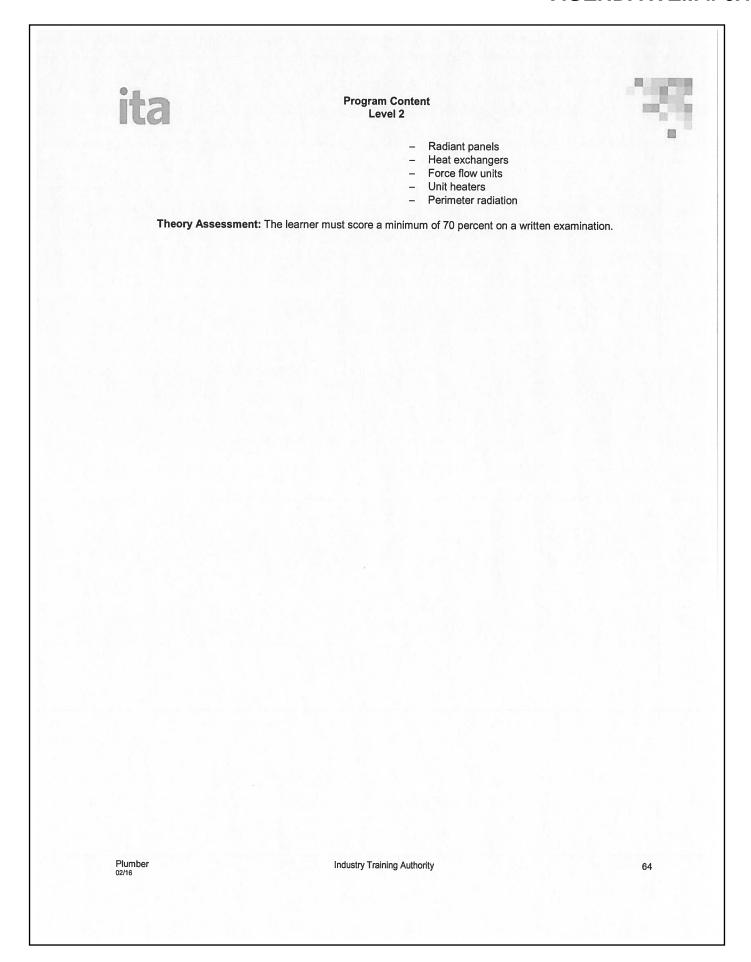
CONTENT

- Circuit concepts
 - Source
 - Load
 - Switches
 - Conductors
- Circuit types
- Test equipment
- Circuit diagrams
- Symbols
- 2 Describe hydronic heating and cooling systems
- Purpose
- Operation
- Piping components
 - Circulating pumps
 - Flanges
 - Unions
 - Y-strainer and side stream filters
 - Check valves
 - Isolation valves
 - Pressure and temperature relief valves
 - Pressure reducing valves
 - Air scoops
 - Automatic air vents
 - Flow switches
 - Gauges
 - Pot feeders
 - Chemical treatment and backflow prevention
 - Expansion tanks
 - Low-water cutoffs
 - Expansion joints
- Piping system configurations
- Heating and cooling generating equipment
 - Boilers
 - Heat pumps
 - Heat exchangers
 - Solar panels
- Controls
 - Valves
 - Thermometers
 - Thermostats
 - Sensors
- Transfer units
 - In-floor heating

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AGENDA ITEM # 6.1.



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INSTALL HYDRONIC HEATING AND COOLING

Competency:

Install Hydronic Heating and Cooling Systems

Learning Objectives:

The learner will be able to plan and install hydronic heating and cooling systems.

LEARNING TASKS

Plan and install hydronic heating and

cooling piping systems

Piping

Engineering specifications

CONTENT

- High and low pressure
- Routing and elevations
- Drains and vents
- Support and fastening
- Jointing
- Insulation
- Circulating pumps
 - Types
 - Flanges and unions
 - Size and position
 - Engineering specifications
 - Supports
 - Y-strainer and sidestream filters
 - Check valves
 - Isolation valves
 - Loops to prevent thermal shock and deadhead
 - Coordination of power connections
- System components
 - Types
 - Location for proper operation
 - Expansion joints
- 2 Plan and install hydronic heating and cooling generating equipment
- Purpose
- Operation
- Types
- Codes and regulations
- Clearances for venting and access
- Fuel sources
- Layout
- Mounting and support
 - Seismic
- Housekeeping pads
- Connection of piping and flue
- Coordination of power connections
- Plan and install hydronic system transfer
- Purpose
- Operation
- Types
- Location of transfer units
- Operating temperatures

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INFORMATION ITEMS





- Heat loss calculations
- Mounting and support of transfer units
- Piping connections
- · Coordination of power connections
- 4 Plan and install hydronic system controls
- Purpose
- Operation
- Types
- Temperature settings
- Connections
- Heating curves
- Location of controls
- Location of sensors
- Coordination of power connections
- Setting system priorities
- Setting pump speeds

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Achievement Criteria:

Performance The learner will install a hydronic system.

Conditions The learner will be given:

Specifications

Tools and materials

Criteria The learner will score 70% or better on a rating sheet that reflects the following

criteria: Accuracy Safety Function

Start and commission

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LINE I:

INSTALL HYDRONIC HEATING AND COOLING

Competency:

I-3 Test and Commission Hydronic Systems

Learning Objectives:

1 The learner will be able to test and commission hydronic systems.

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CONTENT

- 1 Perform testing procedures
- Types
- 2 Perform start-up procedures
- Visual inspection
- Filling
 - Metering
- Flushing and cleaning
- Air removal
- Motor rotation
- Pressure settings
- Start hydronic generating equipmentVerification of flow and temperatures

3 Describe water treatment

- Inhibitors
- Freeze protection

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16

Industry Training Authority

AGENDA ITEM # 6.1.



Program Content Level 2



LINE I:

INSTALL HYDRONIC HEATING AND COOLING

Competency:

I-4 Maintain and Repair Hydronic Systems

Learning Objectives:

The learner will be able to maintain and repair hydronic systems.

LEARNING TASKS

CONTENT

Maintain hydronic systems

- Scheduling
- **Filters**
- Lubrication
- Chemical treatment
- Temperature checks
- Expansion tanks Leak inspection
- Backflow testing

Repair hydronic systems

- Pump seals
- Couplers
- Leaks
- Automatic air vents
 - Feeders
 - Valves
- Relief valves

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber

Industry Training Authority





LINE J:

INSTALL SPECIALIZED SYSTEMS

Competency:

J-2 Install Medical Gas Systems

Learning Objectives:

- 1 The learner will be able to describe medical gas systems.
- 2 The learner will be able to install medical gas systems.

LEARNING TASKS

1 Describe medical gas systems

CONTENT

- Gas types
- Uses/purpose
- Sources of medical gas
 - Bulk
 - Cylinders
 - Compressors
- Valve and accessory placement
- Safety features
- Advantages of pipe systems versus individual cylinders
- Relationships
 - Owner
 - Installer
 - Third party inspectors
- 2 Layout a medical gas piping system

Install piping for medical gas systems

- Areas not permitted
- · Service requirements for different areas
- Cross-connection
 - Hazards
 - Areas most commonly occurs at
- Location and limitations of cylinders and bulk supplies
- Where located
- Codes and regulations
- Pipe types
- · Hangers and supports
- Jointing methods
- Cleaning and storing methods
- · Cutting, fitting and brazing methods
- Degreasing
- Capping
- Certification requirements
- Purging requirements and procedures
- Brazing material requirements and characteristics
- Dangers associated with cross-connection
- Tools and equipment
- Coordination with other trades
- Pipe and component labelling
- Purging braze piping
- Pressure testing
 - Gauge requirements
- Testing for cross-connection

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INFORMATION ITEMS

AGENDA ITEM # 6.1.



Program Content Level 2



- 4 Install equipment for medical gas systems
- Codes and regulations
- Jurisdictional requirements
- Equipment
 - Vacuum pumps
 - Air compressors
 - Bulk systems
 - Reserve systems
- Characteristics and requirements of equipment
 - Zone valves
 - Alarms
 - Manifolds
- Accessories
 - Pressure reducing valves
 - Pressure relief valves
 - Dew-point sensors
- Diameter Index Safety System (DISS)
- Tools and equipment
- Pipe connection to equipment
- Pressure testing equipment
- Location of alarm points

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16 Industry Training Authority





LINE J:

INSTALL SPECIALIZED SYSTEMS

Competency:

Install Compressed Air Systems

Learning Objectives:

The learner will be able to plan and install compressed air systems.

LEARNING TASKS

Describe compressed air systems

- Hazards
- Pipe types
- Codes and regulations regarding vessels

CONTENT

- Piping arrangements
 - Straight line
 - Loop
- Tools and equipment
- Jointing methods
- Draining of moisture
- Compressors
 - Types
 - Operation
- Safety devices
- 2 Install compressed air systems
- Codes and regulations
- Components
 - Air driers
 - Flex-connectors
 - Auto drains
 - Pressure regulators

 - Compressors
- Tools and equipment
- Vibration isolation
- Connection of equipment to piping

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16

Industry Training Authority

AGENDA ITEM # 6.1.



Program Content Level 2



LINE J:

INSTALL SPECIALIZED SYSTEMS

Competency:

J-6 Test and Commission Specialized Systems

Learning Objectives:

- 1 The learner will be able to describe the testing and commissioning of medical gas systems.
- 2 The learner will be able to test and commission compressed air systems

LEARNING TASKS

 Describe the testing and commissioning of medical gas systems

CONTENT

- Approved testing agencies
- Cross-connection testing
- Pressure testing
- Purity and flow testing
- Alarm testing
- Quality control testing
- 2 Test and commission compressed air systems
- · Manufacturers' documentation
- Air quality tests
- Leak test
- Pressure settings

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber

Industry Training Authority

AGENDA ITEM # 6.1.



Program Content



LINE J:

INSTALL SPECIALIZED SYSTEMS

Competency:

J-7 Maintain and Repair Specialized Systems

Learning Objectives:

The learner will be able to maintain and repair compressed air systems.

LEARNING TASKS

Maintain and repair compressed air systems

CONTENT

- Compressor maintenance - Manufacturers' instructions
- Receiver draining
- Filters
- Desiccants
- Quick connects

Theory Assessment: The learner must score a minimum of 70 percent on a written examination.

Plumber 02/16

Industry Training Authority

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INFORMATION ITEMS



MEMO

To: UEC

From: Randy Kelley, Director School of Trades

Date: 08/12/2016

Re: Welding Harmonization

As information for UEC, We have received an Official Program Standards Notification (OPSN) from the ITA that pertains to the Welding programs we offer. These mandated changes resulting from the Pan-Canadian Harmonization Initiative come into effect March 31, 2017 but will effectively come into place for our programs starting in September 2017.

The intent of the Harmonization Initiative is to align the sequence of technical education provided to apprentices across the nation. This initiative was launched by the Canadian Council of Directors of Apprenticeship in Fall of 2013, and is endorsed by both federal and provincial regulating bodies.

Attached is the OPSN - Pan-Canadian Harmonization Welder Program update and a summary of the Competency Migration - Detail of Changes.

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Issued: August 22, 2016

Program: Welder

To: **ITA Training Providers**

Articulation Chair System Liaison Person **School Districts**

Subject Pan-Canadian Harmonization and Welder Program Update

OPSN No.: OPSN 2016-014

Effective Date: March 31, 2017

Summary of Changes:

Please be advised that changes have occurred to the Welder program as result of the Pan-Canadian Harmonization Initiative and will be implemented effective March 31, 2017.

These changes are as follows:

- Welder Program Outline Update
- Technical Training Duration Increase Level 3, 10 weeks (from 8 weeks)
- Increased Work Based Training Hours 4,620 hours (from 4,500 hours)

Rationale:

At the request of industry, the Canadian Council of Directors of Apprenticeship (CCDA)'s Harmonization Initiative was launched in Fall 2013, and endorsed by the Forum of Labour Market Ministers (FLMM) in 2014. The goal of Harmonization is to substantively align apprenticeship systems across Canada by making apprenticeship training requirements more consistent in Red Seal trades.

In consultation with stakeholders, the CCDA identified four harmonization priorities:

- 1. Use of Red Seal trade name
- 2. Consistent total training hours (in-school and on-the-job)
- 3. Same number of training levels
- 4. Consistent sequencing of training content, including use of most recent National Occupational Analysis.

Phase One sought to harmonize ten trades, which included Welder. After a series of consultations and pan-Canadian webinars, the finalized priorities for Welder were as follows:

- 1. Trade name Welder (no change)
- 2. Total training hours 5,400 (minor change)
- Number of levels 3 (no change)
- 4. Sequencing of content (changed see Outline Review Details attached or the Program Outline at http://www.itabc.ca/program/welder.)

The changes to the sequencing of technical training prompted a review of the BC Welder Program to align it to the harmonized sequencing.

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Details: Welder Program Outline Update

A Welder Program Review was conducted in November 2015 to align the ITA Welder Program to the Harmonized Sequencing. The review process resulted in several changes to the sequence of technical training.

ITA will work with the BCATTA Harmonization Implementation group to identify transition strategies for training providers. ITA is also working on a communication plan to inform apprentices and employers of the changes to the program

Technical Training Duration Increase - Level 3, 10 weeks

During the realignment of the Welder Program Outline, there was an analysis of Training Time Allocation.

ITA has approved an additional 2 weeks of technical training for Level 3 of the Welder program effective March 31, 2017.

Increased Work Based Training Hours

Due to national consensus of 5,400 total training hours for the Harmonized Welder program, the work based training hours required to complete the program will increase from 4,500 to 4,620 hours effective March 31, 2017. This increase will apply only to new apprenticeship registration on or after March 31, 2017.

Attachments: Welder Program Outline Review Details

This attachment provides details of the revisions made to the Welder Program Outline

during the review process.

For more Angela Caughy

information Program Development Officer **contact**: email: <u>acaughy@itabc.ca</u>

cc: All Staff

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Welder Program Outline Review Details - Harmonization

Summary - Competency Migration Details of Changes

	Current Level 1		Harmonized Level 1	Description of Changes
Line A	Occupational Skills	Line A	Occupational Skills	
A1	Describe the welder apprenticeship and scope of the trade in BC			Removed from Level 1, will remain in Foundation only
A2	Describe safe working practices	A2	Describe safe working practices	No change
А3	Perform basic trade related mathematical calculations	А3	Perform basic trade related mathematical calculations	No change
A4	Use measuring and layout tools	A4	Use and maintain measuring and layout tools	Re-word
A5	Use hand tools	A5	Use and maintain hand tools	Re-word
A6	Use power tools (electric and pneumatic)	A6	Use and maintain power tools (electric and pneumatic)	Re-word
		A7	Describe shop materials	New: to meet NOA content
		A8	Apply lifting, hoisting and rigging procedures	Split between level 1 & 2 (was level 2 only)
Line B	Oxy-Fuel Cutting and Gouging Processes (OFC and OFG)	Line B	Cutting and Gouging Processes	Title Change/merge former Line E
B1	Describe OFC and OFG processes and their applications	B1	Describe Oxy-Fuel Cutting (OFC) processes and their applications	Re-word
B2	Describe OFC and OFG equipment and its operation	B2	Describe Oxy-Fuel Cutting (OFC) equipment and its operation	Re-word
В3	Perform freehand and guided cuts on low carbon steel	В3	Perform freehand and guided cuts on low carbon steel (OFC)	Re-word
B4	Use automatic and semi-automatic cutting machines	B4	Use automatic and semi-automatic cutting machines (OFC)	Re-word
B4	Use automatic and semi-automatic cutting machines	B4 B5	Describe CAC-C and PAC processes, equipment and their application	Re-word Formerly line E, removed SMAC
B4			Describe CAC-C and PAC processes, equipment and their application Use CAC-A and PAC cutting and gouging processes and equipment	Formerly line E, removed SMAC Formerly line E
B4	Use automatic and semi-automatic cutting machines Fusion and Braze Welding (TB) Using the Oxy-Fuel (OFW) Process	B5	Describe CAC-C and PAC processes, equipment and their application Use CAC-A and PAC cutting and gouging processes and	Formerly line E, removed SMAC

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Welder Program Outline Review Details - Harmonization

	Current Level 1		Harmonized Level 1	Description of Changes
	and their applications		and their applications	
C2	Describe fusion welding, braze welding and brazing equipment and its operation Describe filler metals, fluxes and tips used for fusion welding,	C2	Describe fusion welding, braze welding and brazing equipment and its operation Describe filler metals, fluxes and tips used for fusion welding,	No change
C3	braze welding and brazing	C3	braze welding and brazing	No change
C4	Describe joint design and weld positions	C4	Describe joint design and weld positions for OFW	Re-word
C5	Fusion weld on low carbon steel sheet	C5	Fusion weld on low carbon steel sheet	Optional Level 1, still remains in Foundation
C6	Braze weld (TB) using the OFW process	C6	Braze weld (TB) using the OFW process	Optional Level 1, still remains in Foundation
C7	Silver alloy braze on similar and dissimilar metals	C7	Silver alloy braze on similar and dissimilar metals	Optional Level 1, still remains in Foundation
Line D	Shielded Metal Arc Welding (SMAW)	Line D	Shielded Metal Arc Welding (SMAW)	
D1	Describe the SMAW process	D1	Describe the SMAW process	No change
D2	Describe SMAW equipment and its operation	D2	Describe SMAW equipment and its operation	No change
D3	Select and use electrodes for SMAW	D3	Select electrodes for SMAW	Re-word
D4	Describe basic joint design and weld positions	D4	Describe basic joint design and weld positions for SMAW	Re-word
D5	Describe weld faults and distortion in fabrication	D5	Describe weld faults and distortion in fabrication in SMAW	Re-word
D6	Use the SMAW process on low carbon steel plate and pipe	D6	Use the SMAW process on low carbon steel plate and pipe	No change
		D7	Use the hard surfacing process on low carbon steel	Moved from level 2/re-worded
		D9	Use the SMAW process on stainless steel and/or low carbon steel plate and pipe	Moved from level 2/re-worded
Line E	Electric Arc Cutting, Gouging and Related Processes			Line Change & now merged with Harmonized Line B
E1	Describe CAC-A, PAC and SMAC processes, equipment and their applications			Merged with harmonized Line B and remove SMAC
E2	Use CAC-A and PAC cutting and gouging processes and equipment			Merged with harmonized Line B
		Line E	Semi-Automatic and Automatic Welding	Line Change former Line F/Title change/merge former line M

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	Current Level 1		Harmonized Level 1	Description of Changes
		E1	Describe GMAW, GMAW-P, FCAW, MCAW and SAW	
			processes and their applications	Re-numbered and merge former line M
		E2	Describe semi-automatic and automatic welding equipment	
			and its operation	Re-numbered/re-word and merge former line M
		E3	Describe filler metal and shielding gases for semi-automatic	
			and automatic processes	Re-numbered/re-word and merge former line M
		E4	Use the GMAW and GMAW-P process	Re-numbered
		E5	Use the FCAW process	Re-numbered
Line F	Semi-Automatic Welding			Line Change & now merged with Harmonized Line E
F1	Describe GMAW, GMAW-P, FCAW, and MCAW processes and			
	their applications			Re-numbered and merged with harmonized Line E
F2	Describe semi-automatic welding equipment and its			
	operation			Re-numbered and merged with harmonized Line E
F3	Describe filler metal and shielding gases for GMAW			Re-numbered and merged with harmonized Line E
F4	Use the GMAW process			Re-numbered and merged with harmonized Line E
F6	Use the FCAW process			Re-numbered and merged with harmonized Line E
		Line I	Welding Drawings, Layout and Fabrication	Merge former Line I and Line J
		l1	Identify common welding symbols and bolted connections	Moved from Level 2

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Welder Program Outline Review Details - Harmonization

	Current Level 2		Harmonized Level 2	Description of Changes
Line A	Occupational Skills	Line A	Occupational Skills	
A7	Describe hoisting, rigging and material handling	A8	Apply lifting, hoisting and rigging procedures	Re-numbered and split between level 1 & 2
Line D	Shielded Metal Arc Welding (SMAW)	Line D	Shielded Metal Arc Welding (SMAW)	
D3	Select and use electrodes for SMAW	D3	Select electrodes for SMAW	Re-worded
D6	Use the SMAW process on low carbon steel plate and pipe	D6	Use the SMAW process on low carbon steel plate and pipe	No change
D7	Describe using the hardsurfacing process on mild steel			Moved to Level 1/re-worded
D8	Describe using the SMAW process on grey cast iron	D8	Describe the SMAW process on grey cast iron	Re-worded, practical component removed
D9	Describe and use the SMAW process on stainless steel and/or mild steel plate			Moved to Level 1/re-worded
		Line E	Semi-Automatic and Automatic Welding	Line Change former Line F/Title change/ merge former line M
		E4	Use the GMAW and GMAW-P process	Re-numbered
		E5	Use the FCAW process	Re-numbered
		E6	Use the MCAW process	Re-numbered
		E7	Use the SAW process	New
Line F	Semi-Automatic Welding			Line Change now Harmonized Line E
F4	Use the GMAW process			Re-numbered harmonized Line E
F5	Use the GMAW-P process			Re-numbered harmonized Line E
F6	Use the FCAW process			Re-numbered harmonized Line E
F7	Use the MCAW process			Re-numbered harmonized Line E

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Welder Program Outline Review Details - Harmonization

		Line F	Gas Tungsten Arc Welding (GTAW)	Line Change former Line H and Split Between Level 2 & 3
		F1	Describe the GTAW process and its application	Moved from Level 3
		F2	Describe GTAW equipment and its operation	Moved from Level 3
		F3	Describe the application of GTAW for ferrous metals	Moved from Level 3 and re-worded
		F4	Use the GTAW process for ferrous metals	Moved from Level 3
		F5	Use the GTAW process for stainless steel	Moved from Level 3
Line G	Basic Metallurgy			Line Change now Harmonized Line H
G1	Describe production processes for manufacturing metals			Re-numbered harmonized Line H
G2	Describe mechanical and physical properties of ferrous and non-ferrous metals			Re-numbered harmonized Line H
G3	Describe common non-ferrous, reactive metals and their weldability			Re-numbered harmonized Line H and split between Level 2 and 3
		Line H	Basic Metallurgy	Line Change former Line G
		H1	Describe production processes for manufacturing metals	Re-numbered
		H2	Describe mechanical and physical properties of ferrous and non-ferrous metals	Re-numbered
		НЗ	Describe common ferrous, non-ferrous, reactive metals and their weldability	Split between Level 2 and 3, re-worded
Line I	Welding Drawings	Line I	Welding Drawings, Layout and Fabrication	Merge former Line I and Line J
I1	Perform mathematical calculations involving formulas, angles, triangles and geometric construction	14	Perform mathematical calculations	Re-numbered and re-worded
12	Perform basic drafting	13	Perform basic drafting	Re-numbered
13	Read and interpret drawings Identify common welding symbols and bolted connections	12	Read and interpret drawings Interpret and apply mechanical drawings and layout components	Re-numbered Re-numbered and re-worded
		16	Fabricate weldments	Re-numbered

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		17	Costing and Estimating	New: to meet NOA content
Line J	Layout and Fabricate Components			Merged with Harmonized Line I
J1	Interpret and apply mechanical drawings			Merged with Harmonized Line I
J2	Fabricate weldments			Merged with Harmonized Line I
Line M	Submerged Arc Welding (SAW)			Merged with Harmonized Line E – Level 1
M1	Describe SAW process and its applications			Merged with Harmonized Line E – Level 1
M2	Select operating parameters for the SAW process			Merged with Harmonized Line E – Level 1
M3	Describe filler metals and fluxes for SAW			Merged with Harmonized Line E – Level 1

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Welder Program Outline Review Details - Harmonization

	Current Level 3		Harmonized Level 3	Description of Changes
Line D	Shielded Metal Arc Welding (SMAW)	Line D	Shielded Metal Arc Welding (SMAW)	
		D3	Select electrodes for SMAW	New
D6	Use the SMAW process on low carbon steel plate and pipe	D6	Use the SMAW process on low carbon steel plate and pipe	No change
		Line E	Semi-Automatic and Automatic Welding	Line Change former Line F/Title change/merge Line M
		E4	Use the GMAW and GMAW-P process	Re-numbered
		E8	Use combined GMAW, FCAW and MCAW processes	New, was a learning task, now a competency on its own
Line F	Semi-Automatic Welding	Line F	Gas Tungsten Arc Welding (GTAW)	Line Change former Line H and and split between 2 & 3
F4	Use the GMAW process	F4	Use the GTAW process for ferrous metals	Split between level 2 & 3
		F6	Use the GTAW process for aluminum	Re-numbered
Line G	Basic Metallurgy			Line Change now Harmonized Line H
G2	Describe mechanical and physical properties of ferrous and non-ferrous metals			Line change now Harmonized Line H
G4	Describe the grain structure of metals			Line change now Harmonized Line H
G6	Describe aluminum, aluminum alloys and their weldability			Line change now Harmonized Line H
		Line H	Basic Metallurgy	Line Change former Line G
		H2	Describe mechanical and physical properties of ferrous and non-ferrous metals	Re-numbered
		Н3	Describe common ferrous, non-ferrous, reactive metals and their weldability	Split between level 2 & 3, re-worded
		H4	Describe the grain structure of metals	Re-numbered
		H5	Describe aluminum, aluminum alloys and their weldability	Re-numbered
Line H	Gas Tungsten Arc Welding			Line Change now Harmonized Line F

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Welder Program Outline Review Details - Harmonization

	Current Level 3		Harmonized Level 3	Description of Changes
H1	Describe the GTAW process and its application			Moved to Level 2
H2	Describe GTAW equipment and its operation			Moved to Level 2
Н3	Describe the application of GTAW for ferrous and non-ferrous metals			Moved to Level 2
H4	Use the GTAW process for ferrous metals			Split between level 2 & 3 and re-numbered
H5	Use the GTAW process for stainless steel			Moved to Level 2
H6	Use the GTAW process for aluminum			Re-numbered
Line I	Welding Drawings	Line I	Welding Drawings, Layout and Fabrication	Merge former Line I and Line J
13	Read and interpret drawings	12	Read and interpret drawings	Re-numbered
		15	Interpret and apply mechanical drawings and layout components	Re-numbered/merged
		16	Fabricate weldments	Re-numbered/merged
		17	Costing and estimating	New
Line J	Layout and Fabricate Components			Merged with Harmonized Line I
J1	Interpret and apply mechanical drawings			Merged with Harmonized Line I
J2	Fabricate weldments			Merged with Harmonized Line I
		Line J	Quality Control and Inspection	Line Change former Line K
		J1	Describe basic welding quality control and inspection requirements	Re-numbered
		J2	Describe inspection and testing procedures	Re-numbered
		J3	Describe the scope of the welding supervisor and inspector responsibilities	Re-numbered
Line K	Quality Control and Inspection			Line Change now Harmonized Line J
K1	Describe basic welding quality control and inspection requirements			Re-numbered

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	Current Level 3		Harmonized Level 3	Description of Changes
K2	Perform inspections and testing procedures			Re-numbered
К3	Describe the scope of the welding supervisor and inspector responsibilities			Re-numbered
		Line K	Standards, Codes, Specifications and Welder Qualifications	Line Change former Line L
		K1	Identify applicable standards, codes, specifications and jurisdictional bodies	Re-numbered
		K2	Describe compliance with weld procedure specifications (WPS) and data sheets	Re-numbered
Line L	Standards, Codes, Specifications and Welder Qualifications			Line Change now Harmonized Line K
L1	Identify applicable standards, codes, specifications and jurisdictional bodies			Re-numbered
L2	Comply with weld procedure specifications (WPS) and data sheets			Re-numbered
Line N	Specialized Processes			Line Change now new Line G in MPAW
N1	Describe specialized welding processes			Moved to MPAW

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	Current MPAW		New MPAW	Description of Changes
Line D	Shielded Metal Arc Welding (SMAW)	Line D	Shielded Metal Arc Welding (SMAW)	
		D3	Select and use electrodes	New
D6	Use the SMAW process on low carbon steel plate and pipe	D6	Use the SMAW process on low carbon steel plate and pipe	No change
		D9	Use the SMAW process on stainless steel and/or low carbon steel plate	New
		Line F	Gas Tungsten Arc Welding (GTAW)	Line Change former Line H
		F5	Use the GTAW process for stainless steel	Re-numbered
Line G	Basic Metallurgy			Line Change now new Line H
G3	Describe common non-ferrous, reactive metals and their weldability			Re-numbered
G5	Describe die castings and their weldability			Re-numbered
		Line G	Specialized Processes	Moved from Level 3 and Line Change former Line N
		G1	Describe specialized welding processes	Moved from Level 3 and re-numbered
Line H	Gas Tungsten Arc Welding (GTAW)			Line Change now new Line F
H4	Use the GTAW process for ferrous metals			Moved to Level 3 and re-numbered
H5	Use the GTAW process for stainless steel			Re-numbered
		Line H	Basic Metallurgy	Line Change former Line G
		НЗ	Describe common ferrous, non-ferrous, reactive metals and their weldability	Re-numbered/re-worded
		Н6	Describe die castings and their weldability	Re-numbered

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		Line I	Welding Drawings, Layout and Fabrication	Merge former Line I and Line J
			Interpret and apply mechanical drawings and layout	
		15	components	Re-numbered
		16	Fabricate weldments	Re-numbered
Line J	Layout and Fabricate Components			Merged with Harmonized Line I
J1	Interpret and apply mechanical drawings			Re-numbered
J2	Fabricate weldments			Re-numbered