

SIMON FRASER UNIVERSITY**Continuing Studies****Memorandum****To:** Senate**From:** Colin Yerbury **Re:** Report – Non-Credit Certificate for the
Object Technology Program**Date:** December 1, 2003

FOR INFORMATION

Please find attached an updated copy of our Report on the Non-Credit Certificate for the Object Technology Program. This Report is in compliance with the April 12, 1999 Senate motion that a report on the academic and financial aspects of the program be provided to Senate in three years.

The report has been reviewed by the Senate Committee on Continuing Studies at a meeting of November 4, 2003 at which time the Committee approved the forwarding of the updated report to Senate for informational purposes.

If additional information is required, I would be pleased to submit it.

MEMORANDUM

Report to: Senate Committee on Continuing Studies

From: Amanda Woodham, Program Director
Applied Sciences Programs – Object Technology Program
and
Judy Denham, Program Director
Applied Science Programs

Subject: Object Technology Program – status update

Date: October 22, 2003

The Object Technology Program began in the Fall of 1998 and on April 12th, 1999 was approved by the Senate Committee on Academic Planning as a Non-Credit Certificate Program. The motion included a report be made back to the committee on academic and financial aspects, which now follows.

The Program has just completed its 9th intake's formal training and is into its internship placement. The Program is also recruiting candidates for its 10th intake. Statistical information is available for 9 cohorts and is attached.

The general format and intent of the Program has not changed in the past five years. The course content has, however, evolved to meet changes in technology, and these changes have been made in consultation with both our industry advisors and instructors.

Internship placement has fluctuated, however the last cohort placed (cohort #8) reached a 91% placement, up from the previous cohort of 81%. The tuition fee was increased in 2001, and remains at \$19,500.

The most notable change, statistically, has been the declining registration, with OTP 8 running with 13 participants and OTP 9 with 14 participants. 13 participants is now the break-even financial point for this program. To meet the decline in registrations a few changes have been implemented.

In cohort OTP 8, for the first time, available seating in the program was offered, on a module-by-module basis, to internal SFU IT personnel. This change did two things: it increased revenue and provided relevant technical training at a lower than industry pricing to SFU personnel. This practice continued for OTP 9 and will also be available for OTP 10. Also, beginning with OTP 9, registration on a module-by-module basis is now being offered to alumni of the Applied Sciences Programs technical short courses, and its Management Skills in Advanced Technology Program.

Beginning with OTP 10, this program will be offered once annually, with anticipation that the class will run at a higher registration level and be more cost effective, at the same time continuing to offer this valuable technical training to individuals trying to seek employment in the Object Technology area.

In summary, it is our intention to continue offering this non-credit Certificate Program in Object Technology as part of our technical training schedule in Applied Sciences Programs.

<p>Object Technology Program cohort (OTP-1) November 2, 1998-April 30, 1999 Application fee: \$60.00 Tuition fee: \$17,500.00 28 participants 27/28 = 96% internship placements made</p>	<p><i>OTP-1 modules</i> Object Oriented Primer Data Base Analysis & Design PowerBuilder Visual Basic Internet Application Development & Integration Career Strategies C++ Object Oriented Analysis & Design Java Programming Distributed Computing Project / Assignments Days</p>
<p>Object Technology Program cohort (OTP-2) May 3, 1999-October 22, 1999 Application fee: \$60.00 Tuition fee: \$17,500.00 27 participants 1 participant w/d medical reason 25/26 = 96% internship placements made</p>	<p><i>OTP-2 modules</i> Object Oriented Primer Career Strategies Data base Analysis & Design Project Management Visual Basic Software Quality Assurance & Testing C++ Object Oriented Analysis & Design Java Programming Distributed Computing Servlets and JSP workshop OTP Project</p>
<p>Object Technology Program cohort (OTP-3) January 17, 2000– June 30, 2000 Application fee: \$60.00 Tuition fee: \$17,500.00 30 participants 30/30=100% internship placements made</p>	<p><i>OTP-3 modules</i> Mathematical Computing Science I Introductory Object Oriented Programming using VC++ Internet Application Development and Integration Analysis of Data Structure, Algorithms and Algebraic Structures of Objects Intermediate Object Oriented Programming using VC++ Database Analysis and Design Visual Basic (Data base design and implementation using VB) Introduction to Java Web Database Development in Java Object Oriented Analysis and Design Theory of Distributed Computing Java Enterprise Computing Advanced VC++ in Distributed Computing Project Management Quality and Assurance Object Technology E-commerce Project</p>

<p>Object Technology Program cohort (OTP-4) July 10, 2000-December 22, 2000 Application fee: \$60.00 Tuition fee: \$17,500.00 27 participants 2 participants failed courses, not eligible for internship 24/25=96% internship placements made</p>	<p><i>OTP-4 modules</i> Introductory Object Oriented Programming using VC++ Mathematical Computing Science I Internet Application Development and Integration Intermediate Object Oriented Programming using VC++ Mathematical Computing Science II Database Analysis and Design Visual Basic (Data base design and implementation using VB) Java Programming Object Oriented Analysis and Design Theory of Distributed Computing/Internet Architecture Server Side Java Programming Advanced VC++ Project Management Object Technology E-commerce Project</p>
<p>Object Technology Program cohort (OTP-5) January 15, 2001 – June 28, 2001 Application fee: \$60.00 Tuition fee: \$17,500.00 30 participants 1 participant failed courses 1 participant w/d medical reason 24/28=86% internship placements made</p>	<p><i>OTP-5 modules</i> Introductory Object Oriented Programming using C++ Mathematical Computing Science I Client-Side Web Design and Implementation using HTML Client-Side Web Design and Implementation using JavaScript Mathematical Computing Science II Intermediate Object Oriented Programming using C++ Database Analysis and Design Visual Basic Extensible Markup Language (XML) Advanced C++ Introduction to Java Programming Client-Side Java Programming using Swing Java Programming using Servlets JDBC Object Oriented Analysis and Design Quality and Assurance Project Management Object Technology E-commerce Project</p>
<p>Object Technology Program cohort (OTP-6) July 16, 2001 – January 4, 2002 Application fee: \$60.00 Tuition fee: \$19,500.00 20 participants 1 participant failed course – replacement grade received 14/20=70% internship placements made</p>	<p><i>OTP-6 modules</i> Introductory Object Technology Mathematical Computing Science I Client-Side Web Design and Implementation using HTML & Java Script Mathematical Computing Science II Introduction to Programming in C++ Database Analysis and Design Visual Basic using COM+ and XML Introduction to Java Programming</p>

	<p>OTP-6 modules (continued) Client-Side Java Programming using Swing Server-Side Java Programming using Servlets & JDBC Object Oriented Analysis and Design Quality Assurance Object Technology e-commerce project Project Management</p>
<p>Object Technology Program cohort (OTP-7) January 14, 2002 - June 26, 2002 Application fee: \$60.00 Tuition fee: \$19,500.00 17 full participants; 1 course only participant 1 participant failed courses – replacement grades received 13/16=81% internship placements made</p>	<p>OTP-7 modules Introduction to Object Technology Mathematical Computing Science Client-Side Web Design and Implementation using HTML & Java Scrip Programming in C++ Database Analysis and Design Visual Basic using COM+, XML and Quality Assurance Introduction to Java Programming Client-Side Java Programming using Swing Server-Side Java Programming using Servlets & JDBC Object Oriented Analysis and Design Project Management Object Technology E-commerce Project</p>
<p>Object Technology Program cohort (OTP-8) September 9, 2002 – February 28, 2003 Application fee: \$60.00 Tuition fee: \$19,500.00 11 full participants; 2 course only participants 10/11= 91% internship placements made</p>	<p>OTP-8 modules Introduction to Object Technology Client-Side Web Design and Implementation using HTML & Java Script Introduction to Java Programming Project Management Database Analysis and Design Mathematical Computing Science Enterprise Development using C-Sharp, .Net and XML Quality Assurance Client-Side Java Programming using Swing Server-Side Java Programming using Servlets & JDBC Programming in C++ Object Oriented Analysis and Design Object Technology final practical project</p>
<p>Object Technology Program cohort (OTP-9) March 10 – August 22, 2003 Application fee: \$60.00 Tuition fee: \$19,500.00 14 participants n/a% internship placements made - currently placing</p>	<p>OTP-9 modules Introduction to Object Technology Client-Side Web Design and Implementation using HTML & Java Script Introduction to Java Programming Project Management Database Analysis and Design Mathematical Computing Science Enterprise Development using C-Sharp, .Net and XML</p>

	<p>OTP-9 modules (continued) Quality Assurance Client-Side Java Programming using Swing Server-Side Java Programming using Servlets & JDBC Programming in C++ Object Oriented Analysis and Design Object Technology final practical project Cold Fusion, Dream Weaver, Fireworks & Crystal Reports 1-day workshops</p>
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