New Course

Proposal Reference Number : 5094
PRN Alias : 12-13#467
Version No : 4
Submitted By : Ms Kathryn Lynn Livick
Edited By : Miss Malek Yalaoui

Display Printable PDF

	New Data
Program Affected?	Y
Program Change Form Submitted?	N (Simple Change) - Simple change, it should be added to the following programs: Honours probability and statistics under the section "courses for which no honours equivalent exists" and to the following programs as a complementary course: Science: Major in mathematics, liberal core science component in statistics, minor in statistics, Joint Major Program in Statistics and Computer Science (Complementary Course under the list of "12 credits in Mathematics selected from") Arts: major concentration in mathematics, minor concentration in statistics
Subject/Course/Term	MATH 427 • one term
Credit Weight or CEU's	3 credits
Course Activities	Schedule Type: A - Lecture; Hours per week: 3 Total Hours per Week : 3 Total Number of Weeks : 13
Course Title	Official Course Title : Statistical Quality Control Course Title in Calendar : Statistical Quality Control
Rationale	The main purpose of this course is to introduce honours and majors students in mathematics and statistics to a wide variety of statistical tools and techniques used for measuring, controlling and improving quality control in industrial processes. No such course is currently offered at McGill.
Responsible Instructor	
Course Description	Introduction to quality management; variability and productivity. Quality measurement: capability analysis, gauge capability studies. Process control: control charts for variables and attributes. Process improvement: factorial designs, fractional replications, response surface methodology, Taguchi methods. Acceptance sampling: operating characteristic curves; single, multiple and sequential acceptance sampling plans for variables and

	attributes.
Teaching Dept.	0290 : Mathematics and Statistics
Administering Faculty/Unit	SC : Faculty of Science
Prerequisites	MATH 323 + MATH 324 Web Registration Blocked? : N
Corequisites	
Restrictions	
Supplementary Calendar Info	
Additional Course Charges	
Campus	Downtown
Projected Enrollment	40
Requires Resources Not Currently Available	N
Explanation for Required Resources	
Required Text/Resources Sent To Library?	
Library Consulted About Availability of Resources?	
Consultation Reports Attached?	
Effective Term of Implementation	201309
File Attachments	• StatQualCon.doc View
To be completed by the Faculty	
For Continuing Studies Use	

Approvals Summary

Show all comments

Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status

4								Approved by Departmental Chair Edited by: Malek Yalaoui on: Nov 26 2012
3								Approved by Departmental Chair Edited by: Malek Yalaoui on: Nov 1 2012
2		Approved Axel W Hundemer Meeting Date: Oct 22 2012 Approval Date: Oct 24 2012 View Comments	Approved Raffaella Bruno Meeting Date: Oct 22 2012 Approval Date: Oct 31 2012 View Comments					Approved by Departmental Chair Edited by: Axel W Hundemer on: Oct 24 2012
1								Submitted to Departmental Curriculum Committee for approval Created on: Oct 24 2012