TO: University of Toronto Scarborough Academic Committee
SPONSOR: John Scherk, Vice-Dean, Undergraduate
DATE: January 29, 2013
AGENDA ITEM: For approval

ITEM IDENTIFICATION:
Curriculum change proposals from the Department of Computer and Mathematical Sciences:
1. New Courses

JURISDICTIONAL INFORMATION:
University of Toronto Scarborough Academic Committee has authority to oversee and approve all curricular and academic matters on which the Committee’s decision is required, including programs, courses, and academic regulations and policies.

SUMMARY:
1. The Department is introducing a new C-level course – STAC51H3 Categorical Data Analysis, which provides detailed coverage of statistical models for categorical data. This course will play an important role in the new Minor in Applied Statistics, as well as the Statistics Major and Minor programs.

NOTE: This proposal was accidentally omitted from the Academic Committee Report for CMS presented and approved at the January 22, 2013 meeting of Academic Committee.

1. NEW COURSES

STAC51H3 Categorical Data Analysis

Statistical models for categorical data. Contingency tables, generalized linear models, logistic regression, multinomial responses, logit models for nominal responses, log-linear models for two-way tables, three-way tables and higher dimensions, models for matched pairs, repeated categorical response data, correlated and clustered responses. Statistical analyses using SAS or R.
Prerequisite: STAB27H3 or STAB57H3 or equivalent
Breadth Requirement: Quantitative Reasoning