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TEACHING ASSISTANT
TRAINING AND SUPPORT

FACULTY OF ARTS AND SCIENCE | CENTRE FOR TEACHING AND LEARNING
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TAs are an essential part of the instructional team. Not only do they provide students with much needed disciplinary guidance, their close familiarity with the student experience places them in the role of a mentor. As class sizes grow and we incorporate more experiential learning, we rely even more on TAs to work on the front line with our students. I want to extend my gratitude to all TAs, past, present and future for your valuable role in shaping our undergraduate and early graduate students. We undertook this work to ensure that we do our very best to support you in your important work.

-Dr. Jill Atkinson,
Associate Dean of Teaching and Learning
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Queen's University is committed to promoting excellence in the quality of teaching and learning that students and instructional teams experience. Teaching assistants (TAs) are essential members of the instructional team, and several university policies since 1993 have aimed to support TAs by implementing effective teaching assistant (TA) training and regulations surrounding training. The most recent analysis of these policies was published in 2002 (SCAD), but the role of TAs has become increasingly complex and demanding since then. Queen's University, has seen the emergence of Faculty-embedded teaching units, and a greater focus on topics such as decolonizing the curriculum, inclusive pedagogies, aligning assessment practices, and effective use of active and technology-enhanced learning (Centre for Teaching and Learning, 2019). TAs must adjust their practices with these shifts while navigating their varied roles, the heavy workloads of their academic program, and acquiring employable skills to suit the market economy (Dimitrov et al., 2013; Irving-Bell et al., 2019; Pratasavitskaya & Stensaker, 2010; Stewart, 2013). Despite these pressures and the growing attention towards TA training, there is evidence to suggest that TAs across Canada are not sufficiently prepared and supported in their teaching responsibilities (Blouin & Moss, 2015; Hoessler & Godden, 2015; Kenny, Watson, & Watton, 2014). This problem is the primary focus of this project and the purpose of this report is to understand the problem's scope and historical context at Queen's University.
Deficiencies in TA preparation and support have existed for at least the last three decades at universities across Canada and the United States. More specifically, several studies show that TAs have only received cursory teaching support (Fox & Hackerman 2003; Golde & Dore, 2000; Marincovich et al., 1998) and reviews indicate that training for TAs in Canada and the United States is lacking (Park, 2004; Parker et al., 2015). A review by Hoessler and Godden (2015) outlined that most teaching supports for graduate students were fragmented with limited implementation, despite policy recommendations for programming that is flexible, broad, open-ended, and recognized. With limited or no formal training and support, TAs must learn from “on-the-job," “sink-or-swim” experiences alone (Austin, 2002; Chadha, 2013; Gaia et al., 2003; Shannon et al., 1998; Wise, 2011). Without adequate preparation, it is not clear if TAs are able to meet the four overarching competencies outlined by the Canadian TA competency framework (see Figure 1; Canadian Association for Graduate Studies, 2008; Korpan et al., 2015).

Having deficiencies in training and support is contrary to the pivotal role that TAs play for the university. They provide a primary point of contact for undergraduate students, lead laboratory and tutorial sessions, grade assessments, proctor exams, and hold office hours among other duties (Weidert et al., 2012; Senate Committee on Academic Development, 2002). In the sciences, it has been shown that TAs improve the quality of undergraduate education while also influencing student retention, especially among female and minority students (Gardner & Jones, 2011). The lack of adequate TA training may take an emotional toll on TAs by inducing anxiety as well as taxing their knowledge and confidence (Bond-Robinson and Rodrigues, 2006; Flaherty & Overton, 2018). The quality of instruction and support given to essential players like TAs on the instructional team is one of the most tangible impressions of a university’s commitment to education.

Diving into the CONTEXT
To better address the problem of TA support and preparation, it is useful to understand the history and policy milestones related to TA preparation and support at Queen’s University. Over 25 years, this topic has been the subject of various reports, reviews, collective agreements, media posts, and committees. An overview of these efforts is outlined in the timeline below. The remainder of this section details each of the time points.

**TIMELINE OF HISTORIC AND POLICY MILESTONES**

**1993**
Queen’s Committee on Teaching Assistants
Report about the roles, responsibilities, training, evaluation, and funding of TAs. Work began in Fall 1991.

**2000**
Queen’s University
Conference report titled “TAs at Queen’s: Realizing their Potential, Improving Teaching and Learning.”

**2000**
Queen’s Academic Affairs Commission of the Alma Mater Society
Survey of departments, followed by a report on innovative approaches and recommendations.

**2000-2002**
Exit Poll Survey
Student perceptions of TAs at Queen's University; not publicly available, but referenced in SCAD (2002).

**2002**
Queen’s Senate Sub-committee on the Training of TAs
Policy analysis including nine recommendations that were approved by the Senate. Some were subsequently implemented.

**2005**
Queen’s Senate Sub-committee on the Training of TAs
Implementation of a policy that includes a section on TA training and evaluation. Work began in 2003.

**2005**
Queen’s University Senate
The name of the ‘Instructional Development Centre’ is changed to the ‘Centre for Teaching and Learning.’

**2008**
Canadian Association for Graduate Students
TA competencies developed: communication, management, teaching and knowledge transfer, as well as ethics.

**2009**
Queen’s Senate Sub-committee on the Training of TAs
Amendment to the 2005 policy about TA training and evaluation.

**2010-2013**
Public Service Alliance of Canada Graduate Teaching Assistants and Teaching Fellows (PSAC 901, Unit 1) Union
First collective agreement including TA training policies.

**2012**
Graduate Student Professional Development Report
Comprehensive summary of documents and surveys related to Canadian graduate student development

**2013-2017**
PSAC 901 Union
Second collective agreement including TA training policies.

**2016**
Queen’s Educational Developers’ Network (QEDN)
QEDN formed by the Centre for Teaching and Learning (CTL) to foster collaboration with staff in faculties.

**2018-2021**
PSAC 901 Union
Third collective agreement including TA training policies.
In the Fall of 1991, Queen's Committee on Teaching Assistants began to assess the roles, responsibilities, funding, training, and evaluation of TAs. The report from this work was presented to the Dean of Graduate Studies and Research in April 1993, and many of the recommendations were implemented soon after. The report contains a section titled Training and Evaluation which outlines the following:

1. the importance of the Instructional Development Centre (IDC; renamed the Centre for Teaching and Learning in 2005) in training and evaluating TAs;
2. that individual departments should ensure that effective TA training takes place consistently; and
3. the requirement of English language fluency as a TA.

The report by the Academic Affairs Commission of the Alma Mater Society in 2000 surveyed departments across Queen's University. It found several issues relevant to TAs: marking, hiring, training, communication, innovative approaches, and recognition. The report also discussed English language proficiency and issues around making training mandatory.

From June 2001 to March 2002, the Senate Committee on Academic Development (SCAD) sub-committee on the Training of Teaching Assistants conducted a policy analysis regarding TA training at Queen's University. This analysis was partially motivated by the results of “Exit Poll surveys which indicate[d] a somewhat troubling level of dissatisfaction with Teaching Assistants among the undergraduate student population” (p. 1; SCAD 2002). The analysis outlined the role of TAs at Queen's, the TA training available, comparisons with other universities, and nine recommendations on how to improve TA training (see below).

**POLICY ANALYSIS RECOMMENDATIONS: SUB-COMMITTEE ON THE TRAINING OF TEACHING ASSISTANTS**

1. Review current TA training, roles, selection, mentoring, and evaluation practices by departments and faculties.
2. Designate an individual in each department to assess TA practices and provide an annual report to the Department Head, Faculty Dean, Dean of Graduate Studies and Research, and the CTL (then called the IDC).
3. Develop an annual report for the Vice-Principal (Academic) by the CTL regarding programming and TA training activities.
4. Include a section on TA training activities in all internal academic reviews and faculty annual reports.
5. Include specific duties and training requirements in all TAs contracts. Introduction of a mandatory TA training session of at least three hours before taking up assigned duties. Departments and/or Faculties organize these sessions with assistance from the IDC.
6. Implement the Program in University Teaching and Learning (PUTL) program (with certificate) at the CTL.
7. Develop a mandatory diagnostic assessment of English as a Second Language oral proficiency for new graduate students who took an English language proficiency test for admission.
8. Develop a course titled English Language Communication Skills for Teaching Purposes to be offered during the fall semester. This course should be mandatory for students those who took an English language proficiency test for admission.
9. Hire a CTL TA Development Coordinator to support training programs, act as a resource, and coordinate PUTL.

(SCAD, 2002)
In 2003, a new TA sub-committee of SCAD was created. By 2005 this committee published a policy report including a section on TA training and evaluation. The policies put in place aligned with several of the recommendations of the 2002 SCAD report. Specifically, each department was to provide a brief annual report on TA training to the Department Head, Faculty Dean, Dean of Graduate Studies and Research, and the CTL (recommendation 2 from SCAD, 2002). Additionally, all new TAs were required to participate in a paid three-hour training session unless there was ongoing training throughout the term of the teaching assistantship (recommendation 5 from SCAD, 2002). This part of the policy discussed the specifics of what content must be covered in the mandatory training, advised departments to offer training sessions longer than three hours, and outlined that TAs should be encouraged to participate in the Teaching Development Day. Following recommendation 7 from SCAD (2002), graduate students who completed an English language test for admission had to participate in an assessment of their oral proficiency in English before taking up TA duties requiring verbal communication. The report also outlined the need for a formal standardized system for assessing TAs and that supervisors should attend and evaluate one TA-led session per term. Finally, the report reviews the role of the CTL in helping TAs evaluate their teaching practices through feedback form templates and workshops.

Beginning in 2010, all policies referring to graduate teaching assistants were superseded by the Collective Agreement governing Graduate Teaching Assistants and Teaching Fellows. This agreement was reached between the PSAC 901 Unit 1 and Queen’s University. There have been three Collective Agreements that involve sections on TA training. The first agreement (2010 – 2013) only contains four mentions of TA training and states that “all employer-required training shall be compensated at the TA’s regular rate of pay.” No recommendations from SCAD (2002) are found in this document. The second collective agreement (2013 – 2017) contains six mentions of TA training. It outlines the same policy as the first agreement and adds that “time for paid training must be within the TA’s allotted TA hours.” The third (and current 2018 – 2021) agreement has 41 instances of TA training and it adds to the last two policies by outlining specific contextual policies of training (i.e., training that is not employer-required, union training, and health and safety training).

In 2016, the Queen’s Educational Developers’ Network (QEDN; Gaudreau, 2018) was re-introduced to enhance collaboration for institutional initiatives related to education. The director of the CTL, Dr. Sue Fostaty Young, sits on this network which discusses higher level teaching and learning initiatives. QEDN may be a powerful tool to leverage collaboration and coordination for TA preparation and support among the various academic units at Queen’s University.
SUMMARY OF THE HISTORY

The history of the policies at Queen's University have primarily focused on TA training and not on TA support or professional development as educators. Leading up to 2005, the policies for TA training became more specific, evidence-informed, and context-appropriate based on recommendations from SCAD sub-committees. With the introduction of the PSAC 901 Unit 1 Union in 2010, most of these training-specific policies were discarded, although it is not clear why the policies were not integrated as they seem to be complementary. Some common themes across the reports at Queen’s University include the limited assessment of TAs, the shifts between mandatory to non-mandatory training, the role of the CTL to coordinate between academic units, and the need for departmental or faculty involvement in training.

ELEMENTS

BARRIERS AND FACILITATORS

Various elements may make it difficult for training and support to meet the needs of TAs:
- TA roles, training, and support vary widely across faculties, departments, and even classes (Parker et al., 2015).
- TAs come to training with different prior experiences, knowledge, and language abilities (Boman, 2013).
- Most TAs do not receive feedback or evaluations from students or instructors, making it difficult to identify what area of their teaching practice requires improvement (Senate Committee on Academic Development, 2002).
- The role of policies and collective union agreements may place restrictions on various aspects of TA training.

Various elements may facilitate the enhancement of training and support so that it may meet the needs of TAs:
- Collaborative networks across academic units, stakeholders, and within teaching teams.
- Implementing an annual environmental scan to assess the availability and quality of TA training across academic units (Hoessler & Godden, 2015)
- Established educative programming for graduate students through the Centre for Teaching and Learning.
- Existing scholarly literature on TA training and exemplary TA training programs at other academic centres.
TA preparation is offered at various interconnected levels that span across the institution, faculties, department, classes, and among peers. There are few published records outside of the institution-wide educative programming offered by the CTL at Queen's University. As such, this section will review the programming offered centrally by the CTL. Since its inauguration in 1992, the CTL has developed resources for graduate students which may benefit TAs: a conference, a professional development program, workshops, a graduate-level credit course, and student internships, in addition to the consultation services and resources available to all university educators (CTL, 2019).

**TEACHING DEVELOPMENT DAY**

Teaching development day is a free day-long conference held annually in September. In 2018, there were 35 sessions and poster presentations with more than 230 participants from interdisciplinary fields (CTL, 2019). Most institutions in Canada offer similar voluntary TA orientations (Parker et al., 2015) delivered over a half-day, full-day, multi-day, or week (Boman, 2013; Hoessler & Godden, 2015; Taylor Institute, 2019; Windsor Centre for Teaching and Learning, 2018; Teaching Assistants' Training Program, 2019).

**PROFESSIONAL DEVELOPMENT IN UNIVERSITY TEACHING AND LEARNING (PUTL)**

PUTL is a self-paced non-credit program that has five components: foundations, practical experience, educational leadership, scholarship of teaching and learning, and accessibility. In 2018, the workshops hosted through PUTL had 46 participants (CTL, 2019). These components are similar to the certificate programs at thirteen other Canadian universities based on a content analysis by Kenny and colleagues (2014) who conducted an overview of common certificate program components (see Figure 2 below).
PROGRAM ALIGNMENT
TEACHING AND LEARNING CENTRES ACROSS CANADA

SGS 902 - TEACHING AND LEARNING IN HIGHER EDUCATION

Teaching and Learning in Higher Education (SGS 902; formerly SGS 901) is a course offered for graduate students and post-doctoral fellows through the CTL. In 2018, this blended course was held over one semester with 24 students across 16 departments (CTL, 2019). Similarities across 23 Canadian courses include developing teaching skills, using research as a basis for teaching practices, and gaining motivation for inward reflection (Aspenlieder & Kloet, 2014). Similar courses are offered at other academic centres; for example, the University of Windsor (2018) offers two full-semester courses on learner-centric teaching and course design as well as three half-semester courses on leading discussions, lecturing, scholarship, and online education. Dalhousie University developed a unique set up for its full-year nationally accredited course, the Teaching Assistant Enrichment Program (2019), as it is offered for both undergraduate and graduate TAs.

EDUCATIONAL DEVELOPMENT ASSOCIATE (EDA) PROGRAM

The Educational Development Associate program is a five to ten hour per week internship for graduate students. Typically, there are three EDAs who collaborate to design and deliver programming to support TAs, graduate students, and post-doctoral fellows. The EDAs at the CTL offer consultations and classroom observations, which are two services that most other teaching support centres also provide (Hoessler & Godden, 2015; Parker et al., 2014). Classroom observation takes many forms such as video recording (Cahalan, 2013; Calonge et al., 2013), observations by multiple types of observers such as faculty and other TAs (Parker et al., 2015), and observing faculty teaching (Chadha, 2013; Gaia et al., 2003). Similar programs include the Student Educational Developer Program at the Macpherson Institute at McMaster University (2019) and the Graduate Formative Peer Review program at the University of British Columbia (Centre for Teaching, Learning, and Technology, 2019). These programs recognize the utility of formative and peer assessment (Falchikov, & Goldfinch, 2000; Yorke, 2003).

RESOURCES FOR ALL HIGHER EDUCATION EDUCATORS

Online resources on the CTL website are open to all educators and they can complement TA programming. Resources focus on 12 topics that range from guest lecturing, marking, to student mental health. Having comprehensive support materials is one of the design features that TAs report most contributed to their development (Hardré & Burris, 2012). One of the most detailed resources was published by the Taylor Institute (2017) as it covers pedagogical foundations, tools, assessments, and documenting.
Our research team launched an exploratory study in May 2020 that seeks to understand the state of the preparation, support, and supervision that goes into Teaching Assistantships at Queen's University. The study has two phases that build on each other in a manner similar to developmental program evaluation. In phase one, TAs as well as faculty and staff at Queen's University who are involved in TA training will be recruited to complete an online survey. The results of this survey will be used to develop questions that will be posed to four focus groups. The aim of this project is to use the results to improve the availability and quality of TA training programs across Queen's University.

MOVING FORWARD
ENVIRONMENTAL SCAN OF TA TRAINING AND SUPPORT AT QUEEN'S UNIVERSITY

Over the past three decades, TAs have not been sufficiently supported or prepared for their teaching responsibilities (Blouin & Moss, 2015; Hoessler et al., 2015; Kenny et al., 2014). This problem has been the central focus of this report which outlined the problem definition, historical context, TA programming practices at Queen's University, and alignment with best practices from other Canadian teaching support centres.

COLLABORATIVE SYNERGY

This project would not be possible without the collaborative effort and guidance of our partners and stakeholders at Queen's University: graduate students, graduate coordinators, the Associate Deans (Teaching and Learning, Graduate Studies and Global Engagement), the School of Graduate Studies, PSAC 901, the Centre for Teaching and Learning, and the Faculty of Arts and Science. A special thanks to Dr. Amanda Cooper and the members of our working group—Andrea Reid, Nevena Martinović, Yasmine Djerbal, and Julia Savage—for their continuous support and guidance.

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