GRADUATE PROGRAM - MAJOR MODIFICATION PROPOSAL

Expedited Approval Submission Form

This template is to be used when seeking approval for a Major Modification of an existing Graduate Program. Major modifications must receive the approval of the Graduate Studies Executive Council (GSEC) before being submitted by the Provost's Office to the Senate Secretariat for referral to the Senate Committee on Academic Development (SCAD) which will then make their recommendations to Senate. Academic Units are strongly advised to contact the Director of the Office of the Vice-Provost and Dean SGS or the appropriate Associate Dean in the SGS with any questions that arise during this proposal development. Refer also to the QUQAPs website at: http://www.queensu.ca/provost/responsibilities/qualityassurance.html.

Part A – General Summary

Name of Existing Program:	Master of Science (Program: Anatomy and Cell Biology, field: Anatomical Sciences)
Academic Unit(s):	Department of Biomedical and Molecular Sciences
Proposed Implementation Date:	September 2013

Contact Information (1)		Contact Information (2)	
Name:	Louise Winn	Name:	Anne Tobin
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Nature of Modification:	CHECK all that apply

☐ Creation, deletion or re-naming of a Graduate Field

Specify: _____

X Change in a degree designation without a substantial change in Program requirements or learning outcomes (*e.g. MSc(E) to MASc*)
**** This proposal if for a change in degree designation from Master of Science to Master of Science (Anatomical Sciences)**

- ☐ Significant changes to Program requirements from those existing at the time of the previous cyclical review (*e.g. admission or graduation requirements*)

- ☐ Significant changes to the Program structure (e.g. major changes to courses comprising a significant proportion of the Program, typically 35% or less)[Consult with Provost and/or Vice Provost, SGS]

- ☐ Introduction or deletion of a research project, research essay or thesis, course-only, internship or practicum option (*Master's level*)

- ☐ Change to requirements for comprehensive or qualifying examinations, field studies or residence requirements

- ☐ Significant changes to the faculty delivering the Program

- ☐ Significant changes to the existing mode(s) of delivery (*e.g. different campus, on-line, blended learning, inter-institutional collaborations, etc.*)

- ☐ Merger of two or more graduate Programs

- ☐ Changes to Program content (other than those listed above) that affect the learning outcomes, but do not meet the threshold for a Brand New Program

OTHER:	

Description of Existing Program, Nature of the Major Modification, and Rationale for Proposed Change
Briefly summarize (suggested 1-page maximum) the existing Program to be modified, the nature of the proposed Major Modification, and the rationale for the modification. Comment on the impact it will have on the structure, Degree Level Expectations, and learning outcomes of the existing Program(s) as appropriate. Explain (as appropriate) how the relevant stakeholders (e.g. faculty, staff, students) were consulted in preparing the proposal; and comment on additional resources required to implement the Program modification.
The existing program is structured around three pillars of competency (content, pedagogy, inquiry) and is designed to educate students in the art of teaching and designing curricula in the anatomical sciences. The program requires: 1) course work including: Principles of Teaching & Learning, Microteaching, Curriculum Design, Advanced Gross Anatomy, Advanced Topics in Embryology, Advanced Topics in Neuroanatomy, Advanced Topics in Histology and Histology Techniques, Independent Studies in Anatomy and Cell Biology/Pedogogy; 2) practicum, which includes embalming techniques, freeze drying techniques, plastination techniques, museum specimen production, electronic media, digital imaging techniques for gross anatomy, neuroanatomy and histology, lecturing and laboratory teaching; and 3) a project with an oral examination. Most graduates of the existing M.Sc. program have pursued careers at both Canadian and foreign colleges and universities as health services education co-ordinators and others have gone on to further their education as medical students or Ph.D. students. A change in the designation of degree name is proposed in this submission. The current degree designation is a Master of Science, which is part of the program in Anatomy and Cell Biology. This program will be merged with other basic science programs into the graduate program in Biomedical and Molecular Sciences in the new Department of Biomedical and Molecular Sciences (DBMS). This proposal requests changing the name to Master of Science in Anatomical Sciences

[MSc (Anatomical Sciences)] to preserve the association of this program with the discipline of Anatomy specifically. This is a change in name only and does not entail any changes to courses, structure, degree level expectations, learning outcomes, faculty teaching or resources. The rationale for the name change is to capture the distinctive nature of this degree, which prepares students through course work and practical experience in anatomical sciences and is separate from the common core of the thesis-based MSc in Biomedical and Molecular Sciences. The recognition of the training in anatomical sciences is important for graduates, as it is understood that they have acquired a specific skill and knowledge set that would not necessarily be evident from a Master of Science. This degree is different than the thesis-based Master of Science research degree offered in DBMS both in terms of its course content, program duration and degree requirements, and that it specifically designed to educate students in the art of teaching and designing curricula in the anatomical sciences. The proposed change in degree designation appropriately recognizes its distinctiveness.

The DBMS postgraduate education committee, responsible for providing departmental oversight of graduate programs within DBMS agreed with the proposed modification. Current students in the program were consulted and also agreed with the proposed modification.

As stated above, the implementation of the proposed modification will have no impact on resources.

Part B – Evaluation Criteria

To facilitate evaluation of the proposal for a Major Modification of an existing Graduate Program, only the relevant textboxes below need to be completed (consult with the School of Graduate Studies to confirm the information required). Academic Units should refer to the New Graduate Program template http://www.queensu.ca/provost/responsibilities/qualityassurance/DocumentsandLinks/Templates.html for details regarding the Sections and Tables in that template that need to be completed as specified and imported into the relevant Sections below. Academic Units should bear in mind the diverse groups (e.g. GSEC, SCAD, Senate) that will be reviewing their submission and prepare their proposal accordingly.

Creation of a New Graduate Field
N/A

Renaming or Deletion of a Field
N/A

Change in Degree Designation Without a Substantial Change in Program Requirements or Learning Outcomes
Information required: *Appropriateness of proposed designation [Section 1.5], comparison with other similar programs, describe consultative process including consultation with current students, impact on current students, timeline for implementation and grandfathering (***note**: Registrar's signature required in Part C*)*
The Pattern II Master of Science program in Anatomy and Cell Biology was introduced in September 2006 to respond to demand for highly competent instructors in anatomical sciences to develop curricula for Medical, Dental, Nursing, Rehabilitation Therapy and Life Sciences programs and to produce the learning materials used in the teaching of courses in anatomy. The M.Sc. Program has been very successful in attracting strong students, and graduates have experienced high success in gaining employment. In order to complete the degree, students must complete 30 units of coursework (two 6 unit and six 3 unit advanced courses), a practicum to produce a human anatomy specimen including a paper that describes the research leading to the creation of the specimen, lecturing and laboratory teaching. Additionally, all students must also

complete and defend a research project. Five new graduate courses were created when the program was introduced: ANAT 834 Principals and Techniques in the Teaching of Anatomical Sciences, ANAT 835 Microteaching in Anatomical Sciences, ANAT 836 Advanced Topics in Embryonic Development, ANAT 837 Advanced Topics in Neuroanatomy and ANAT 838 Advanced Histology and Staining Techniques.

The proposed degree name change captures the distinctiveness of this degree in contradistinction to research (thesis-based) Master's degrees, which have a different structure and duration (4 terms vs 6 terms respectively). The Master of Science in Anatomical Sciences [M.Sc. (Anatomical Sciences)] alone requires these specific courses in the teaching of anatomy and preparation of specimens. Degrees that have a more professional dimension typically receive a different degree designation than the research thesis-based Master's degrees (see for example in Rehabilitation Sciences, Nursing, Engineering) and we believe that this is relevant to this particular program. Similarly, the University of Western Ontario offers a similar program with the designation of M.Sc. in Clinical Anatomy.

The change will be introduced for the incoming class of September 2013. Current students in the program who began study in or prior to September 2012 will receive the current degree designation as the program name Anatomy and Cell Biology will appear on their transcript; those students admitted in and after September 2013 will receive the new degree designation. Which will coincide with the merger of the program in Anatomy and Cell Biology with 4 other basic science programs into a program in Biomedical and Molecular Sciences (full proposal for merger in development). This degree change does not affect the degree designation of students in the Pattern I (thesis-based) Master of Science degree in Anatomy and Cell Biology and thus will not impact them.

Significant Modification of Program Requirements From Those Existing at the Time of Previous Cyclical Review (*e.g. admission or graduation requirements*)
OR Significant Changes to Program Structure (*e.g. to courses comprising the Program, typically no more than 35%)*

N/A

Introduction or Deletion of a Research Project, Research Essay or Thesis, Course-only, Internship or Practicum Option
(*Master's Level*)

N/A

Change to Requirements for Comprehensive or Qualifying Examinations

N/A

Significant Change to the Faculty Delivering the Program
(*e.g. inter-institutional collaboration, different campus*)

N/A

Significant Changes to the Existing Mode(s) of Delivery
(*e.g. part-time, different campus, on-line, blended learning, inter-institutional collaborations, etc.*)

N/A

Merger of Two or More Approved Graduate Programs
N/A

Other Changes that Affect the Learning Outcomes but Do Not Constitute a Brand New Program
N/A

Part C - Authorizations

The date of Faculty Graduate Council/Committee approval is to be included prior to submission to GSEC, the remainder of Part C will be completed, as appropriate, by the SGS following GSEC approval, prior to submission to SCAD

Note: additional authorizations may be required depending on the nature of the proposed Major Modification [refer to Part B]

Date approved by Faculty Graduate Council(s)/Committee(s)	_____ January 29, 2013 _____	
Date Approved by GSEC	February 14, 2013	
Vice-Provost and Dean, School of Graduate Studies	*Signature*	February 14, 2013 *Date*
Provost and Vice-Principal (Academic)	*Signature*	*Date*
Date Approved by SCAD	_____	