MINUTES OF THE
COUNCIL COMMITTEE ON THE FACULTY OF GRADUATE STUDIES AND RESEARCH
Tuesday, May 9, 2017

Members Present:

Regrets:
C Bradley, P Bruno, G Donnelly, E Arries, D Malloy, T Phenix, D Sharpe

1. APPROVAL OF THE AGENDA

Oriet – Lovick
MOVED to approve the agenda as circulated.

CARRIED

2. APPROVAL OF MINUTES from March 7, 2017

Novik - Volodin
MOVED to approve the minutes as circulated.

CARRIED

3. BUSINESS ARISING FROM THE MINUTES – No business

4. REPORTS FROM VICE PRESIDENT (RESEARCH)
No Report

5. REPORTS FROM FGSR

5.1 Dean (Dr Bredohl)

• Ben Freitag is currently in Germany to recruit graduate students
• Dr Bredohl will travel to China at the end of the month. Visiting partner universities, he will work on existing student exchange agreements, and explore opportunities regarding student and faculty exchanges
• Faculty of Arts and Business Administration are working together on recruitment incentives
• Report (Appendix A)

5.2 Associate Dean (Dr Meagher)

• Working on updating the policy on academic misconduct
• Consulting with faculties in regard to co-op programs to ensure it is available to all faculties
• Reviewing transfer credit, hopefully revisions will be in place for the fall

5.3 Manager, Graduate Scholarships and Awards (Darlene Sorensen)

• GAP - LIVE this week with 2017 Spring competition & GSA Travel Award
• Governor Generals Academic Gold Medal - currently being adjudicated
• CGS Masters - awarded 14 students
• NSERC USRA competition - quota of 27 filled, plus 3 U of R Research Awards

5.4 Faculty Administrator (Mandy Kiel)
• No report

5.5 PhD Committee (Mark Brigham on behalf of Don Sharpe)
• There has been no meeting since the last report
• Provided input to the accreditation policy

5.6 Scholarships and Awards Committee (Andrew Cameron)
• In the process of adjudicating the Governor General’s Academic Gold Convocation Award

6. REPORTS FROM FACULTIES

6.1 Faculty of Business Administration

MOTION 1: Change to Co-op Policy

Grandy – Senkow
MOVED amend the Business Administration Masters Co-op policy effective 201810.

<table>
<thead>
<tr>
<th>Current</th>
<th>Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students in the Levene MBA with Specializations, MHRM or MAdmin programs may apply for admission to do Co-op. Students must have completed and obtained a minimum grade of 75% in each of 4 classes before applying for co-op. You must also be a full time student in good standing. Graduate students will follow the same work term requirements pertaining to undergraduate students, such as length of terms, suitability of work placements, and codes of conduct.</td>
<td>Students in the Levene MBA with Specializations, MHRM or MAdmin programs may apply for admission to do Co-op. Students must have completed at least four classes, have no failing grades, and normally obtained a minimum CGPA of 75% before applying for co-op. You must also be a full time student in good standing. Graduate students will follow the same work term requirements pertaining to undergraduate students, such as length of terms, suitability of work placements, and codes of conduct.</td>
</tr>
</tbody>
</table>

CARRIED

6.2 Faculty of Engineering and Applied Science

MOTION 1: New Courses

Al-Anbagi – Novik
MOVED to create the following new courses effective 201810.

ENPC 863 Air Quality Management (3)
Advanced topics in air pollution impact assessment mechanisms related to air pollution problems, mitigation and adaptation of air pollution effects through a number of
engineering measures, design of air pollution control facilities, air quality management and pollution control planning, and air quality prediction techniques.

*Cross-listed with ENEV863 – Air Quality Management

**ENSE 834 - Smart Grid: Architecture, Design and Analysis (3)**
This course covers the following topics: Characteristics of the smart grid, two-way communication, issues of privacy and security, smart grid elements and components, distributed intelligence and automated control systems. Smart grid environmental, economic and infrastructure challenges. Smart meters technologies, architecture and design. Architectural and design issues related to the integration of renewable energy, distributed generation and energy storage. Analysis of smart grid reliability. Smart grid asset monitoring and control technologies. Smart grid data management architecture and data analytics.

*Cross-listed with ENEL 834 – Smart Grid: Architecture, Design and Analysis

**ENSE 865 – Applied Machine Learning (3)**
Topics in this course include regression (linear regression with multiple features, nearest neighbors & kernel regression, ridge regression), classification (linear classifiers, logistic regression, decision trees, boosting), clustering, and dimensionality reduction. The concepts of overfitting & regularization, feature selection, and performance evaluation are also included. Students will apply these concepts in implementation of practical machine learning applications.

*Cross-listed with ENEL 865 – Applied Machine Learning

**CARRIED**

**MOTION 2: Course Changes**

**Al-Anbagi – Novik**
**MOVED** to convert the following directed reading courses to regular courses effective 201810.

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENEL 890AG RF Amplifier and Systems Design Single and multi-stage amplifier design, noise and non-linear distortion, matching network design, oscillator design, system level consideration of microwave transmission lines, resonators, distributed elements, lumped elements and filters.</td>
<td>ENEL 822 RF Amplifier and Systems Design Single and multi-stage amplifier design, noise and non-linear distortion, matching network design, oscillator design, system level consideration of microwave transmission lines, resonators, distributed elements, lumped elements and filters.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENEL 890AJ Smart Grid: Architecture, Design and Analysis This course covers the following topics: Characteristics of the smart grid, two-way communication, issues of privacy and security, smart grid elements and components, distributed intelligence and automated control systems. Smart grid environmental, economic and infrastructure challenges. Smart meters technologies, architecture and design. Architectural and design issues related to the integration of renewable energy, distributed generation and energy storage. Analysis of smart grid reliability. Smart grid asset monitoring and control technologies. Smart grid data management architecture and data analytics.</td>
<td>ENEL 834 Smart Grid: Architecture, Design and Analysis The following topics are covered: Smart grid characteristics, components, distributed intelligence and automated control. Smart grid challenges. Smart meters technologies, architecture and design. Integration of renewable energy, distributed generation and energy storage. Smart grid reliability analysis. Two-way communication, privacy and security. Smart grid data management architecture and data analytics.</td>
</tr>
</tbody>
</table>
ENEL 890AE Power Systems Advanced Protection and Control
This course addresses advanced topics in power systems protection and control, including topics in digital relaying algorithms, protection and control integration, Intelligent Electronic Devices (IED) communications capabilities, transmission systems protection, substation protection and control, and station automation.

ENEL 835 Power Systems Advanced Protection and Control
This course addresses advanced topics in power systems protection and control, including topics in digital relaying algorithms, protection and control integration, Intelligent Electronic Devices (IED) communications capabilities, transmission systems protection, substation protection and control, and station automation.

ENEL 890AH System Design and Testing using JTAG Boundary Scan
Introduction to JTAG boundary scan: IEEE 1149.x Standard; design for boundary-scan testability (DFT); connection and functional testing using on-board JTAG devices such as CPU, CPLD, FPGA; testing of non-JTAG devices such as passive devices, logic devices and memory; debugging using boundary-scan. Other test methods are also covered.

ENEL 863 System Design and Testing using JTAG Boundary Scan
Introduction to JTAG boundary scan: IEEE 1149.x Standard; design for boundary-scan testability (DFT); connection and functional testing using on-board JTAG devices such as CPU, CPLD, FPGA; testing of non-JTAG devices such as passive devices, logic devices and memory; debugging using boundary-scan. Other test methods are also covered.

ENEL 890AL Field Programmable Gates Arrays (FPGA) Design Appliances
This class provides the students with an understanding of FPGA-based digital design, embedded system design, and high-level synthesis design methodologies using ZedBoard and Xilinx Vivado design tool.

ENEL 864 Field Programmable Gates Arrays (FPGA) Design Appliances
This class provides the students with an understanding of FPGA-based digital design, embedded system design, and high-level synthesis design methodologies using ZedBoard and Xilinx Vivado design tool.

ENEL 890AK Applied Machine Learning
Topics in this course include regression (linear regression with multiple features, nearest neighbors & kernel regression, ridge regression), classification (linear classifiers, logistic regression, decision trees, boosting), clustering, and dimensionality reduction. The concepts of overfitting & regularization, feature selection, and performance evaluation are also included. Students will apply these concepts in implementation of practical machine learning applications.

ENEL 865 Applied Machine Learning
Topics in this course include regression (linear regression with multiple features, nearest neighbors & kernel regression, ridge regression), classification (linear classifiers, logistic regression, decision trees, boosting), clustering, and dimensionality reduction. The concepts of overfitting & regularization, feature selection, and performance evaluation are also included. Students will apply these concepts in implementation of practical machine learning applications.

6.3 Faculty of Graduate Studies and Research

Meagher – Brigham
MOVED to change the FGSR Accreditation policy effective 201730.

1.1 MEMBERSHIP TYPES
Membership in the Faculty of Graduate Studies and Research is for the purposes of cultivating and enhancing high-quality graduate education through graduate student supervision, teaching, and research mentorship. To best serve the academic mission of the Faculty of Graduate Studies and Research there are two categories of accreditation: internal and external to the University of Regina.
1.1.1 Internal
Internal members are faculty (as defined in Article 13.1 of the collective agreement) and instructors at the University of Regina and its affiliated colleges who hold a tenured, tenure-track, or term academic appointment. Professors Emeritus, Research Associates and Post-Doctoral Fellows at the University may also be internal members at FGSR.

Accreditation for all levels of graduate supervision and teaching is only available to members with the appropriate education and experience.

1.1.2 External
The Faculty of Graduate Studies and Research recognizes that graduate education is enhanced through our connections to the communities we serve. Periodically, members of the community may receive accreditation in the Faculty of Graduate Studies and Research to teach classes, co-supervise students or serve on committees. The possible categories of external members are listed below.

1. **Adjunct Professors** are usually academics either from another institution or not affiliated with an institution. They are eligible to: co-supervise; supervise internships, practicums and co-op reports; serve as committee members; and teach graduate classes. Typically adjunct appointments are for between 2-5 years.

2. **Professional Associates** are non-academics with expertise in some field. Individuals nominated as Professional Associates have valuable skills, education, and experience, but do not necessarily meet the criteria equivalent to that required for a tenured faculty position. They are eligible to supervise internships, field practicums and co-op reports.

3. **Elders** are respected members of the community, often with specialized knowledge regarding Indigenous issues. They are eligible to co-supervise and serve as committee members depending on the individual's education and experience, as well as the needs of the academic unit of appointment.

4. **Single-Purpose accreditation** may be sought in cases in which an academic unit wishes to appoint an individual to act as a Practicum Associate, to sit on a student’s examining committee, or to teach a graduate class. Typically single-purpose accreditation does not extend beyond the period of time required to complete the purpose for which accreditation was sought.

**Note:** External members of FGSR may **not** serve as External Examiners in the academic unit with which they are associated, or serve as the Internal-External on the supervisory committee of doctoral students.

1.2 NOMINATION PROCEDURUES:
1.2.1 Internal Members:
Usually internal membership at FGSR will be granted to tenured, tenure-track and term appointments at the time of appointment. Nominations for membership either at times other than their initial appointment, or to units outside of their unit of appointment shall be made by academic units where the supervision is to occur to the FGSR. The nomination should include a current CV for the member, and a completed “Request for FGSR Accreditation” form. For faculty members with term appointments, the length of appointment term will determine suitability to supervision of graduate students (the nominee’s term must be at least beyond the expected time required for the student to complete their program).
If a faculty member or instructor wishes to supervise or teach graduate classes outside of their unit of appointment, then the academic unit in which supervision is sought shall appoint the member as an Associate Member or Adjunct Faculty Member. (Membership may be granted provided that the nominee has completed the academic credential normally expected for the granting of tenure according to the standards of the academic unit in which the appointment is sought). The units will inform FGSR when a faculty member becomes either an Associate Member or an Adjunct member.

1.2.2 External Members:
Adjunct Professor appointments are done at the unit level. Membership at FGSR will be granted at time of the appointment.

Nomination of other external members of FGSR is done by the unit in which the graduate supervision will occur. Applications should be sent to FGSR and include the following:

1. A completed “Request for FGSR Accreditation” form
2. A memo to the Dean of FGSR explaining the benefits of this appointment to the department/faculty and confirming that the individual understands the grading system and academic standards at FGSR.
3. An up-to-date CV of the individual
4. Supporting documentation, which includes a letter of support from either individual’s employer or a community association (if applicable, for example if the candidate’s CV is not adequate).

1.3 ROLES of FGSR MEMBERS
1.3.1 Internal Members
The following table summarized the roles that the different internal members can have in graduate supervision. In special cases, exceptions can be made by a request to FGSR (the procedure for this is the same as for the accreditation of external members).

Internal members of FGSR who are eligible to co-supervise students may co-supervise a student from any unit (but the student’s supervisor must be from their unit). Similarly, FGSR members who are eligible to be members of a committee, may serve on committees outside of their unit. A University of Regina faculty member who is an Adjunct Member or an Associate Member of a unit other than their own, has the same level of accreditation in that unit as in their own unit.

It is also recommended that any member first supervise a Masters student to completion before undertaking the supervision of a PhD student. Departments are also encouraged to assign a mentor to professors who are supervising graduate students for the first time.
<table>
<thead>
<tr>
<th>Accreditation Categories</th>
<th>Faculty Member with PhD</th>
<th>Faculty Member with Masters</th>
<th>Faculty Member with a Masters or PhD with a Term Appointment</th>
<th>Research Associate or Post-Doctoral Fellow or Emeritus Professor</th>
<th>Faculty Member or Instructor with a Professional Designation</th>
<th>Instructor or Lab Instructor with a PhD or Masters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervise PhD Student</td>
<td>Eligible</td>
<td>Ineligible*</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Co-supervise PhD Student</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Supervise Master Student (Thesis, Project or Major Essay)</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Co-supervise Master Student</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible**</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Supervise Practicum, Capstone Project or Co-op Report</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible**</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Member of Examining Committee</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible**</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
</tr>
<tr>
<td>Teach Graduate Classes</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
</tr>
</tbody>
</table>

*Eligible only where the Faculty member belongs to a unit in which the terminal degree is a Masters but recent practice includes hiring PhDs and/or training PhD students, such as in the Faculty of Media, Art, and Performance.

** The length of term will determine suitability for supervision, to be decided in consultation with the Dean of FGSR.
1.3.2 External Members
The following table summarized the roles that the different external members can have in graduate supervision. In special cases, exceptions can be made by a request to FGSR.

<table>
<thead>
<tr>
<th>Accreditation Categories</th>
<th>Adjunct Professor</th>
<th>Elder</th>
<th>Professional Associate</th>
<th>Single Purpose Accreditation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervise PhD Student</td>
<td>Ineligible***</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Supervise Master Student</td>
<td>Ineligible***</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Co-supervise PhD Student</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Co-supervise Master Student</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
</tr>
<tr>
<td>Supervise Internship, Practicum or Co-op Report</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Eligible</td>
</tr>
<tr>
<td>Member of Examining Committee</td>
<td>Eligible</td>
<td>Eligible</td>
<td>Ineligible</td>
<td>Eligible</td>
</tr>
<tr>
<td>Teach graduate Classes</td>
<td>Eligible</td>
<td>Ineligible</td>
<td>Ineligible</td>
<td>Eligible</td>
</tr>
</tbody>
</table>

*** Eligible only where pre-existing formal agreements permit, such as Johnson-Shoyama Graduate School of Public Policy supervision between University of Saskatchewan and University of Regina.

1.4 TERMINATION OF MEMBERSHIP
If an internal member leaves the University of Regina, their membership in the Faculty of Graduate Studies and Research will remain unchanged for twelve months after they leave. After this time they must apply as an Adjunct (which is an external membership) to continue graduate teaching and co-supervision; they may also request a special case exception from Faculty of Graduate Studies and Research to continue to supervise current students to completion. External memberships are typically for a limited time which should be specified at the time of appointment. In extraordinary circumstances, such as a case of academic or non-academic misconduct (as detailed in the University of Regina’s Policy on Research/Scholarly Misconduct, GOV-022-025 and University’s Respectful University Policy, GOV-100-015), membership in FGSR may be revoked.

CARRIED

6.4 Johnson-Shoyama Graduate School of Public Policy

MOTION 1: Program Change in PhD in Public Policy

Zarzeczny – Volodin
MOVED to modify the PhD in Public Policy effective 201810.
### Current PhD in Public Policy

<table>
<thead>
<tr>
<th>Required: One of</th>
<th>Proposed PhD in Public Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSGS 803 or JSGS 851</td>
<td>Required: One of</td>
</tr>
<tr>
<td></td>
<td>JSGS 803 or JSGS 851</td>
</tr>
<tr>
<td>JSGS 865</td>
<td>JSGS 862</td>
</tr>
<tr>
<td>JSGS 869</td>
<td>JSGS 865</td>
</tr>
<tr>
<td>JSGS 990AB</td>
<td>JSGS 990AB</td>
</tr>
<tr>
<td>JSGS 901</td>
<td>JSGS 901</td>
</tr>
<tr>
<td></td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>

CARRIED

### Motion 2: Program Change in Master in Public Policy (MPP)

Zarzeczny – Volodin

MOVED to modify the Master in Public Policy (MPP) effective 201830.

### Current MPP

<table>
<thead>
<tr>
<th>Current MPP</th>
<th>Proposed MPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one of:</td>
<td>Choose one of:</td>
</tr>
<tr>
<td>JSGS 806 or JSGS 867</td>
<td>JSGS 806 or JSGS 867</td>
</tr>
<tr>
<td></td>
<td>or another course on policy analysis with permission of the Graduate Chair</td>
</tr>
<tr>
<td>Choose one of:</td>
<td>Choose one of:</td>
</tr>
<tr>
<td>JSGS 803 or JSGS 851</td>
<td>JSGS 803 or JSGS 851</td>
</tr>
<tr>
<td></td>
<td>or another methods course as approved by the Graduate Chair</td>
</tr>
<tr>
<td>Choose one of:</td>
<td>Choose two of:</td>
</tr>
<tr>
<td>JSGS 805 or JSGS 862 or JSGS 865</td>
<td>JSGS 805 or JSGS 862 or JSGS 865</td>
</tr>
<tr>
<td></td>
<td>or JSGS 869</td>
</tr>
<tr>
<td>Choose one Public Policy Elective* from:</td>
<td>Choose one Public Policy Elective* from:</td>
</tr>
<tr>
<td>JSGS 817, JSGS 846, JSGS 849, JSGS 854, JSGS 859, JSGS 863, JSGS 864, JSGS 870</td>
<td>JSGS 817, JSGS 846, JSGS 849, JSGS 854, JSGS 859, JSGS 863, JSGS 864, JSGS 870</td>
</tr>
<tr>
<td>or another policy course as approved by the Graduate Chair</td>
<td>or another policy course as approved by the Graduate Chair</td>
</tr>
<tr>
<td>Choose one of:</td>
<td>Choose one of:</td>
</tr>
<tr>
<td>Any JSGS course, or an open elective in a related discipline, with permission</td>
<td>Any JSGS course, or an open elective in a related discipline, with permission</td>
</tr>
<tr>
<td>JSGS 990AB</td>
<td>JSGS 990AB</td>
</tr>
<tr>
<td>JSGS 901</td>
<td>JSGS 901</td>
</tr>
<tr>
<td></td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

*Restricted electives are subject to change.

CARRIED

7. **OTHER BUSINESS** – No other business

8. **ADJOURNMENT (3:1PM)**

**NOTE:**
The next meeting is scheduled for **Tuesday, September 11, 2017 at 2:30PM**
Location – AH 527
Appendix A

Graduate Application Total (May 5)

2017 Applications by Faculty
MAP Applications

Nursing Applications

Clinical Nurse Specialist

Nurse Practitioner
Social Work, Kinesiology and Health, and La Cite Applications

- Social Work
- Kin
- La Cite

Legend: PhD Master