



Minutes

ACADEMIC REQUIREMENTS COMMITTEE

Meeting of Thursday, December 15, 2016

PRESENT:

Members:

| | |
|---------------------------|-----------------|
| Leila Notash, Chair | Juri Silmberg |
| R.Subramanian, Vice Chair | Remon Pop-Iliev |
| Sanjeev Bhole | Ian Marsland |
| Bob Dony | Medhat Shehata |
| Roydon Fraser | Allen Stewart |
| Ross Judd | Barna Szabados |

Staff:

Michael Price, Deputy Registrar
Anna Carinci-Lio
Moody Farag
Faris Georgis
Esther Kim
Pauline Lebel
Marsha Serrette
Irene Zdan

Regrets:

Judith Dimitriu
Waguih ElMaraghy
Amir Fam
Stelian George-Cosh
Meilan Liu
Joe Lostracco
Magdi Mohareb
George Nakhla
Amin Rizkalla
Shamim Sheikh
Jacqueline Stagner
Seimer Tsang
John Yeow
Gosha Zywno

Guests:

Santosh Gupta, ERC Chair
David Kiguel, ERC Vice Chair

1. Call to Order and Chair's Remarks

The meeting was called to order by the Chair, Leila Notash at approximately 10:33 AM.

2. Approval of the Agenda

MOTION:

It was **moved** by Ramesh Subramanian and **seconded** by Bob Dony that the agenda be approved.

CARRIED

3. Approval of the Minutes of the November 25, 2016 Meeting

MOTION:

It was **moved** by Barna Szabados and **seconded** by Ramesh Subramanian that the minutes of the November 25, 2016 meeting be approved as amended.

CARRIED

4. Matter(s) Arising from the Minutes

No items to report.

5. Chair's Report

Leila Notash reported that the ERC manual is completed. This item will be discussed further under item 8.10.

6. Deputy Registrar's Report

Michael Price reported on the following items:

- A reminder went out to all ARC members to complete the equity and diversity module.
- The Ontario Fairness Commission Annual report will be coming up for the year end reporting of 2016. The full assessment will start in the new year. PEO has not received formal notice from the OFC, but expects to hear from them early in the new year.
- PEO has received 7 requests for accreditation visits from Ontario Universities for the 2017/2018 academic year.
- CEQB has undertaken a new process where after each meeting they go out to constituent associations and ask for feedback on what was discussed at the meeting. As a follow up to their September meeting they have asked PEO for feedback on four documents.
 - CEQB communications strategy
 - Guideline on Authentication of Engineering Documents
 - 2017/2019 CEQB work plan
 - Guideline on Admission to the practice of Engineering in Canada.

CEQB latest version no longer has the phrase that, one year of an applicant's experience must be obtained in a Canadian environment.

7. Endorsements

7.1 Reading Assignment of Technical Reports/Synopses

Two reports synopsis, one mechanical and the other manufacturing.

Manufacturing: Time and Motion Study of Lubricant Batch Blending Department: Pumphoom Operational Efficiency.

Mechanical: Design of an Environmental Control System for a Laser Powered Commercial Projector System.

Ross Judd will review the manufacturing report and Remon Pop-Iliev will review the mechanical report.

7.2 Issues Arising from ARC/Deputy Registrar Recommendations

No issues to report

7.3 Issues Arising from ERC Recommendations for Applicants Referred by ARC

No issues to report

7.4 PPE Result – October 19, 2016

Anna Carinci Lio reported on the last sitting of the PPE on October 19, 2016. The pass rate was 87%. There were only 9 persons who did not pass the exam.

8. Procedural and Related Matter(s)

8.1 Licensing Committee Update

Barna Szabados reported that the LIC met on December 14, 2016. The committee went through a briefing note that is being prepared for Council. The current issues that the LIC is working on are ERC related, in regards to monitors and experience. Next year the LIC will focus on preparing a formal appeals policy.

8.2 EChat Forum

No items for discussion

8.3 Ryerson University IEEQB

Moody Farag reported to the committee that due to the updates of PEO syllabi as well as Ryerson Program updates there was a need to revisit some of the courses that Ryerson University offers to PEO's applicants through their Internationally Educated Engineers Qualification Bridging Program (IEEQB).

Biomedical Engineering – Bob Dony to review
Chemical Engineering – approved

Civil Engineering – to be reviewed
Computer Engineering- approved
Electrical Engineering – approved
Environmental Engineering – to be reviewed
Geomatics Engineering– approved
Mechanical Engineering - approved
Structural Engineering- approved
Transportation Engineering – approved

Moody Farag will contact Ryerson University to advise them of the committee's comments.

8.4 Canadian Engineering Accreditation Board (CEAB) Update

Bob Dony updated the committee that PEO Council endorsed the outcomes of the last accreditation rounds. As well Council endorsed the use of the current CEAB criteria for the use in granting accreditation for next year. There are no substantive changes to the criteria.

There are 11 schools that are going to develop an alternative accreditation scheme. The CEO of Engineers Canada is wholly in support of this initiative despite the fact that the Engineers Canada Board and Executive has stated that they are not in support of this pilot project. An associated email from the National Council of Deans stated that it was happy that Engineers Canada is in support of this alternative accreditation scheme. It also stated that they will work with the regulators and CEAB on this project. Bob Dony recommended that PEO should communicate to the Engineers Canada Board and the universities that they are not in support of this alternative method as PEO council approved the current CEAB criteria at its November 2016 meeting.

8.5 Canadian Engineering Qualifications Board (CEQB) Update

Roydon Fraser reported that the CEQB removed a time period for experience from its draft Guideline on Admission to the Practice of Engineering. Roydon has requested that time should not have been removed and this item will be on the agenda at the next CEQB meeting.

Roydon Fraser is now on the syllabus committee; this committee is very open to the idea of multiple board sheets and creating a guideline for certain disciplines. The question was asked at the last syllabus committee meeting of how do you assess the individual? He shared with the committee the definition of depth and breadth as stated in the Procedures Manual of the ARC. Essentially, we need a clearer definition or we are not going to have any mutual understanding across the country of what depths and breadths means. Roydon Fraser asked the committee, what is their definition of breadths? Across the country there are completely different understandings of what depths and breadths means. We need to refine our current definition. The committee discussed the issue around depths and breadths.

8.6 Examination Program Assessments

Leila Notash presented to the committee, 7.4.3 Specific Examination Program. A specific examination Program consists of one or more examinations assigned to an applicant whose academic qualifications are assessed to be not equivalent to a CEAB accredited undergraduate engineering degree in order to address identified weaknesses or deficiencies. If a weakness in Basic Studies has been identified, it is recommended to the reviewer to check the relevant fundamental principles against the contents of appropriate and higher-level Professional A or B examinations, and assign those examinations instead of a Basic Studies examination in the Specific Examination Program.

When this was written multi-disciplines were not considered. The committee discussed the item and it was decided that Roydon Fraser and Leila Notash will meet to discuss the topic offline. This will be a future agenda item.

8.7 Redbook policy number 8.3.6 “applicants with International Degrees Who Possess Postgraduate Academic Qualifications.”

Barna Szabados circulated a revision to the Procedures Manual of the Academic Requirements Committee, section 8.3.6.2. A Master’s degree must be a second degree, not a designation applied to an undergraduate first degree program. The ARC is looking to the engineering Masters or PhD. Degree (or other post graduate course based programs) for relevant graduate courses together with the undergraduate degree for evidence of confirming the depth of the engineering knowledge, and to exempt from examinations. A PhD holder in engineering is also exempted from the experience period required for ERC referral. That is PhD applicants who are given a Directed Confirmatory Examination Program or a Specific Examination Program are referred to the ERC regardless of the numbers of years of experience. As attached.

Motion: It was moved by Roydon Fraser and seconded by Barna Szabados to approve the amended wording to item 8.3.6.2 of the Redbook.

CARRIED

8.8 Mechatronics Syllabus

Deferred to next meeting

8.9 P. Eng Expectations

Deferred to next meeting

8.10 ERC Report:

David Kiguel reported on the following items:

- The ERC subcommittee met on December 6, 2016.

- The ERC business meeting was on December 9, 2016. In the morning, there was a training session that was delivered by Pauline Lebel. The training session was well received by members.
- The ERC manual was also delivered on December 9th, members in attendance received a copy. An electronic copy will also be mailed out to all members of the ERC.
- The next steps for the ERC is how to maintain the manual. The ERC subcommittee will discuss at their next meeting in January.
- Copies of the ERC manual was sent to the Chair and Vice Chair of the ARC.

The Chair, Leila Notash thanked the committee for all of their support during her first year as Chair of the ARC. The Vice Chair, Ramesh Subramanian wished everyone a happy holiday season.

11. Meeting adjourned at.12:49pm

Next Meetings: January 20, 2017 and February 24, 2017