

KPU Training Seminar in Dubai, United Arab Emirates
Training Dates: May 16-23, 2017
Location: Dubai, United Arab Emirates

Partnership Objective:

This intervention is part of the partnership between the University of Nebraska at Omaha (UNO), the University of Nebraska-Lincoln (UNL), and Kabul Polytechnic University (KPU) Partnership in Master's in Hydraulics and Hydrotechnical Construction (HHTC) Degree is to improve academic quality of KPU through curriculum and faculty development to ensure quality education and employment for a larger number of Afghan men and women in the HHTC field.

KPU faculty will be exposed to and develop experience in classroom management, lesson writing and material production. KPU faculty will be able to consult with UNO faculty and staff to learn how effective these techniques work in the classroom. They will also have an opportunity to discuss among themselves, with input from UNO faculty, their own abilities to adapt and adopt the appropriate techniques for their own situations.

Dubai intervention Purpose:

The purpose of this academic training was to provide KPU faculty opportunity to present their current syllabi and discuss possible changes that would result in newer and more advanced syllabi and curriculum for their classes. KPU faculty will have the opportunity to discuss their policy document, discuss and design their vision and mission for the department. KPU faculty will also be provided with examples of scientific method and increase their expertise on different skills, such as formulation of research hypothesis, laboratory design, data collection, and analysis (accept or reject hypothesis), and writing, editing and publishing manuscripts. UNO and UNL will also provide guidance to KPU faculty on



building a hydraulics laboratory. They were also provided with an opportunity to visit the sciences labs of the American University in Dubai. UNO and UNL will inspire those KPU faculty members with a taste for research to acquire advanced skills and degrees that will build their capacity to conduct and publish innovative work in their fields.

The agenda for this training included:

- Curriculum development
- Faculty development
- Check the development of computer lab, hydraulic lab, and library, and set up video communications between UNO and KPU
- Audit a class at American University in Dubai



UNO team members offered power point presentations and lead discussions concerning the topics mentioned above.

As planned, 8 faculty members from Kabul attended this training program. Four UNO team members who traveled to Dubai conducted the training. All faculty members also visited the science laboratory at the American University in Dubai.



This seminar was very successful. The faculty of Kabul Polytechnic University attended 6 days of seminars covering a wide array of material. Afghan and American faculty who attended the seminars were able to learn a lot from each other. It was a great learning and team building opportunity for the attendees. The feedback received was that this seminar was very helpful to the attendees and they appreciated the time spend together. Afghan faculty also had the opportunity to visit a class at AUD and experience western style of teaching.



UNO and Kabul Polytechnic University will jointly design further activities to build on these achievements.



Dubai Trip Itinerary
KPU – UNO – UNL Collaboration

May 17:

Syllabi Workshop (I)

9:00 – 10:00 Session 1 (JG)

- Workshop overview
- Discussion of the agenda

10:00 – 12:00 Session 2 (JG)

- AUD Labs visit with Mr. Mecheri
- AUD Dynamics Class with Dr. Ghaleb (auditing class)

12:00 – 1:30 Lunch

1:30 – 2:45 Session 4 (JG)

- Syllabi presentations from KPU faculty (3 courses, 15 min each)

2:45 – 3:15 Break

3:15 – 5:00 Session 5 (JG)

- Syllabi presentations from KPU faculty (4 courses, 15 min each)
- Closing remarks (JG)

May 18:

Syllabi Workshop (II)

9:00 – 10:15 Session 1 (DA)

- Syllabi presentations from KPU faculty (5 courses, 15 min each)

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (DA)

- Syllabi presentations from KPU faculty (5 courses, 15 min each)

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (JG)

- Syllabi presentations from KPU faculty (5 courses, 15 min each)

2:45 – 3:15 Break

3:15 – 4:30 Session 4 (DA)

- Syllabi presentations from KPU faculty (5 courses, 15 min each)

4:30 – 4:45 Closing remarks (DA)

May 19:

Syllabi Workshop (III)

9:00 – 10:15 Session 1 (JG)

- Introduction to US MS programs in hydraulics (JG)

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (DA)

- Introduction to UNL graduate manual (TZ)

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (DA)

- Introduction to KPU undergraduate curriculum (Prof. Nasimi)

2:45 – 3:15 Break

3:15 – 5:00 Session 4 (DA)

- How to conduct Stakeholder's meeting based on market needs (DA)
- Closing remarks (JG)

May 20

Syllabi Workshop (IV)

9:00 – 10:15 Session 1 (JG)

- The 1st semester syllabi

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (DA)

- The 3rd semester syllabi

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (TZ)

- The 2nd semester syllabi

2:45 – 3:15 Break

3:15 – 5:45 Session 4 (TZ)

- The 4th semester syllabi

3:45 – 5:00 Closing remarks (JG)

- Next step for syllabi?

May 21:

Policy Documents and Research Skills (I) – Critical Thinking

9:00 – 10:15 Session 1 (DA)

- Review of KPU graduate program/manual
- Discussion on the outline of KPU graduate manual

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (DA)

- Assignments for graduate revisions writing before August workshop

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (TZ)

- Critical thinking and Engineering Reasoning

2:45 – 3:15 Break

3:15 – 4:30 Session 4 (TZ)

- Journal Publication Systems and Evaluation Processes

4:30 – 4:45 Closing remarks (JG)

May 22:

Research Skills (I): Research Communities and Constraints

9:00 – 10:15 Session 1 (JG)

- My Experiences of Research, Teaching and Service in UNL

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (JG)

- Literature Review Techniques

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (DA)

- Professional Practice in the U.S.

2:45 – 3:15 Break

3:15 – 4:30 Session 4 (DA)

- Experimental Design

4:30 – 4:45 Closing remarks (JG)

- Plan for Next Trip (When? Where? Topics?)

Topics for next trip

- Research Systems in the US
- Advising Graduate and Undergraduate Students to Do Research

Research Skills (II): Research Directions and Design

9:00 – 10:15 Session 1 (JG)

- Identifying Research Topics

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (DA)

- Experimental Design

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (JG)

- Theoretical Research Approaches

2:45 – 3:15 Break

3:15 – 4:30 Session 4 (TZ)

- Advancing Research Focuses

4:30 – 4:45 Closing remarks (JG)

- KPU Committees
- Plan for Next Workshop

August ??: **Research Skills (IV): Analysis and Publication Procedure**

9:00 – 10:15 Session 1 (JG)

- Data Analysis

10:15 – 10:45 Break

10:45 – 12:00 Session 2 (DA)

- Uncertainty Analysis

12:00 – 1:30 Lunch

1:30 – 2:45 Session 3 (JG)

- Writing Procedure and Examples

2:45 – 3:15 Break

3:15 – 4:30 Session 4 (DA)

- Imaging in Field Applications

4:30 – 4:45 Closing remarks (JG)