

### Summer Course Revision Initiative 2018 – Cohort 3

Building on the success of the Intensive Course Revision Initiative, the Trefny Innovative Instruction Center is pleased to offer Mines’ faculty an additional opportunity to apply to work with us intensely in the summer of 2018 to study pedagogy techniques, course design theory, and significantly revise a course that will be taught during the 2018/19 school year.

Selected participating faculty will be provided salary compensation (22 days) to participate in this intense learning and working session. This summer session will include classes, readings, small group and independent work time, and time to work alongside the Trefny teaching & learning staff to revise a targeted course. Selected faculty will be expected to participate in workshop and collaborative activities scheduled during the summer, and to have the course revisions ready before the start of the semester in the 2018-2019 academic year.

#### 2018 Summer Session Calendar

|  | Monday   | Tuesday               | Wednesday                                | Thursday               | Friday                       |
|--|--|-----------------------|--|------------------------|------------------------------|
| Week 1: Engineering Learning & Learning Outcomes | July 9<br>8:00- 5:00   | July 10<br>8:00- 5:00 | July 11<br>8:00- 5:00                    | July 12<br>8:00- 5:00  | July 13<br>8:00- 5:00        |
| Week 2: Assessment & Alignment                   | July 16<br>8:00- 5:00  | July 17<br>8:00- 5:00 | July 18<br>8:00- 5:00                    | July 19<br>8:00- 5:00  | July 20<br>8:00- 5:00        |
| Week 3: Chunking Learning                        | July 23<br>8:00- 5:00  | July 24<br>8:00- 5:00 | July 25<br>8:00- 5:00                    | July 26<br>8:00- 5:00  | July 27<br>Independent Work  |
| Week 4: Organizing Lessons & Enactment           | July 30<br>8:00- 5:00  | July 31<br>8:00- 5:00 | August 1<br>8:00- 5:00                   | August 2<br>8:00- 5:00 | August 3<br>Independent Work |
| Week 5: Final Preparations to Teach              | Aug. 6- 10<br>work independently, meet with PLC to plan for the year, meet with Trefny Center during scheduled times to review course materials. |                       |  |                        |                              |
| Engineering Learning Conference                  |  |                       | August 15<br>Conference & Poster Session |                        |                              |

#### REQUIRED Responsibilities of all CSM Faculty Participants:

##### July 9 – August 10, 2018

1. Participate in scheduled pedagogy workshops. A detailed schedule and agenda will be provided. The workshops will include predictable and intentional time to work independently and in small groups on applying learnings to your course revision.
2. Submit drafts of revised course documents throughout the pedagogy workshops, according to deadlines, about your significantly revised course:
  - a. Learning Outcomes
  - b. Summative Assessments
  - c. Formative Assessment Plan

- d. Data Collection Plan for course revision
  - e. Differentiation Plan
  - f. Course Map
  - g. Sample Lesson Plan
  - h. Syllabus
  - i. Plan for Professional Paper
  - j. Poster for Poster Session
3. Participate in collaborative sessions to review other course designs as well as to both receive and provide feedback to colleagues.

### **August 6 – August 10, 2017**

1. Submit refined drafts of revised course documents throughout the pedagogy workshops, according to deadlines, about your significantly revised course:
  - a. Learning Outcomes
  - b. Summative Assessments
  - c. Formative Assessment Plan
  - d. Data Collection Plan for course revision
  - e. Differentiation Plan
  - f. Course Map
  - g. Sample Lesson Plan
  - h. Syllabus
  - i. Plan for Professional Paper
  - j. Poster for Poster Session

### **2018-2019 Academic Year**

1. Participate in monthly Professional Learning Community meetings.
2. Participate in observation & feedback sessions.
  - Some faculty will be asked to help conduct observations of other courses to provide feedback and document changes and patterns in teaching and learning at Mines.
  - Allow observations and assessment of the course that was revised. The observations will be to document changes, provide feedback to the instructors, and to note patterns of teaching and learning at Mines. The observations will not be used to evaluate faculty.
3. Prepare a paper describing the revision process that you undertook for your particular course of study, lessons learned, and the outcomes of the revisions. The paper should be of a quality to be submitted to a professional conference or publication. Submit the paper no later than June 30, 2018.