Math 297: Assessment and Communication of External Mathematical Activity

An independent study course intended for students who have completed an external activity related to the mathematics major (for example, an internship or an externship) to communicate (both in written and oral forms) and assess their learning from that activity. Prerequisite: Permission of the Department Chair and homework in advance of and during the activity. 1cr., S/Cr/NC, Fall, Winter, Spring – Staff

Longer Description

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In advance of the activity, the student will create a list of learning objectives, with annotation of their relevance to the mathematics major. The student will also design a plan for how to assess whether these objectives have been met when the activity is complete. These two documents must be approved before the activity begins and, in the case of International Students, to obtain permission for a Curricular Practical Training.

During the activity, the student will keep a daily journal or blog with information about the activity that relates to the learning objectives.

After the activity, the student will write a summary (in 2-5 pages) of the activity, will assess the learning objectives using the assessment plan created earlier, and will write a one page description of the outcomes of the learning objectives. The student will arrange a time with the cooperating faculty member, at which time the student will present to the faculty member:

1. Neatly organized, printed documents which include:
    a. The list of learning objectives
    b. The assessment plan
    c. The journal
    d. The summary
    e. The assessment of the learning objectives
2. A twenty minute polished presentation on the overall experience and how it relates to the mathematics major. (This presentation could be on mathematics learned, or aspects of the mathematics profession, or applications of mathematics.)

This course can be repeated in future terms related to a different external mathematical activity.