Math 604.01: Ethnomathematics

Course Meeting Location: Downtown Lancaster Campus Room 3-03 *(except Jan. 22nd and April 30th, which will be in Room 2-03)*
Class Meetings: 6:30PM-9:00PM T (CRN: 16419)
Course Instructor: Dr. Cynthia Taylor
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Office Hours: E-mail is the best way to get in touch with me

I. Course Description. This course aims to introduce Ethnomathematics as a field by examining mathematics across and within cultures. In addition, the course is designed to

(i.e., by 2:30pm on the day the assignment is due). These reading reactions will be partly based on prompts that I provide and partly based on aspects of the readings that were particularly intriguing to you as a learner. These reading reactions serve two purposes: 1) much of our class discussion will revolve around the readings and your reactions; and 2) they allow you to reflect, and articulate in writing, on how the

individual basis, you are thinking about the reading material.

*I expect your reading reactions to contain **thoughtful** reactions regarding the readings. Please **DO NOT** summarize the readings in your writing, but instead provide reaction to the questions that I pose in addition to commenting on aspects of the readings other than those I specifically suggest.*

ETHNOMATHEMATICIAN PRESENTATION   You will choose an ethnomathematician to research. For your chosen individual, provide background (both educational, professional, and personal) and his/her contributions to the mathematics education community (i.e., in ethnomathematics and other significant contributions). Draw on works (e.g., books and journal articles) that were foundational for him/her to help you gather applicable information to present (e.g., powerpoint presentation) to your classmates.

JOURNAL ANALYSIS AND PRESENTATION   You will choose a journal from a given list. For your chosen journal, become an expert on the type of articles the journal publishes, the target audience, the submission guidelines, etc. Briefly relay how you would advise a potential author to submit to this journal (i.e., skim several articles to garner a sense as to the format/type of articles the journal publishes). Present your findings to the class in a format that will be shared with the class (e.g., word document, powerpoint presentation).

2. LEADING A SEMINAR   Each seminar day, one individual will be responsible for developing materials for, organizing, and leading a seminar on a topic from the list of topics provided (or another topic, with the permission of the professor). The seminar leader will facilitate discussion but all students are expected to participate. The facilitator should have a plan, in written outline form. Preparation expectations (readings, materials, etc.) should be given to all students and me one week in advance. Introduction should be given, relevant mathematics or mathematics background should be offered, classroom activities and questions or topics for discussion should be prepared, and you should engage your peers in activities where you can collect sample student work. Use audio-visual aids, technology, and give handouts, as appropriate.

3. PARTICIPATION IN AND CRITIQUES OF OTHER SEMINARS   Prepare for seminar as directed in advance by s 0 1 108.05 166.8 Tm0 g0 G[di)17(r)-36(e)31(c)9(t)-25(e)9()-8(EMI) s