

COURSE SYLLABUS – Spring, 2020

MAE 530 - Directed Readings and Research

Instructor: Dr. Alaa Abd-El-Hafez
Office: Math Tower 4-102
Office Hours: Wednesday from 12-2pm and 7-8pm or by appointment.
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Course Description:

In this course, a co-requisite to MAE 540, Clinical Experience, we will study current issues in mathematics education. Students should become familiar with the research literature, as well as with the New York State Code of Ethics for Teachers and INTASC dispositions. Students should reflect on the implications of mathematics education research on their own classroom practices and also on the limitations of research.

Required Resource: Working laptop/tablet with access to the internet and earphones.

Optional Resource: Publication Manual of the American Psychological Association seventh edition.

Class Participation: This course will be conducted as a discussion, to accompany independent work by students. Students are expected to complete assigned readings by the professor and peers prior to class meetings and contribute to the class discussion. Leaving early or coming late will impact a student's participation grade.

Literature Review Paper: Students will write a literature review paper (at least 5 pages) on an approved topic related to secondary mathematics education. The paper should utilize a minimum of 25 peer-review articles. The paper should be clear and grammatically correct, and APA style (seventh edition) is required. A summary of the findings will be presented during the last class, May 7th. The paper is due by midnight on Wednesday, May 6th by email.

Literature Review Paper Draft: Students will submit a draft of the literature review paper (2-3 pages) and present a summary on March 12th.

Grading Policy:

- 1) Class Participation (25%)
- 2) Literature Review Paper Draft (10%)
- 3) Literature Review Paper (65%)

Americans with Disabilities Act:

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room 128, (631) 632-6748. They will determine with

you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students requiring emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information, go to the following website: <http://www.ehs.sunysb.edu/fire/disabilities/asp>

Critical Incident Management Policy:

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students' ability to learn.

Academic Integrity:

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instance of academic dishonesty to the Academic Judiciary. For dishonesty, please refer to the academic judiciary website at <http://stonybrook.edu/uaa/academicjudiciary>.