

COURSE SYLLABUS – Spring, 2021

MAE 530 – Directed Readings and Research
MAE 447 – Directed Readings in Math

Instructor: Dr. Alaa Abd-El-Hafez
Office: Math Tower 4-102
Office Hours: Tuesday 1:30-2:30 pm, Wednesday 1-2 pm, Thursday 4:30-5:30 pm or by appointment. Will be on Zoom: <https://stonybrook.zoom.us/j/8189776222>
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Course Description:

In this course, a co-requisite to MAE 540/312, 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. This class will be delivered on Zoom during the same/day time the class is scheduled to meet. The Zoom link can be accessed from Blackboard by clicking on “Zoom Meeting” then “start”.

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 4th and the paper is due by midnight on that day 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 23rd.

Grading Policy:

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

Reciprocity Licensure Disclosure Statement:

https://www.stonybrook.edu/commcms/dtale/guide/looking_for_job.php#mandatorydisclosure

Student Accessibility Support Center Statement:

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, 128 ECC Building, (631) 632-6748, or at sasc@stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and the Student Accessibility Support Center. For procedures and information go to the following website: <https://ehs.stonybrook.edu/programs/fire-safety/emergency-evacuation/evacuation-guide-people-physical-disabilities> and search Fire Safety and Evacuation and Disabilities.

Academic Integrity Statement:

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 is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

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.

Critical Incident Management:

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.