

## COURSE SYLLABUS – FALL, 2017

### MAE 530/ MAE 447 Directed Readings and Research (1 Credit)

**Instructor:** Miriam Flynn  
**Office:** Math Tower 4-102  
**Office Hours:** Wednesday 12:00 – 2:00pm  
And by appointment  
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**Course Description:** This class will meet once weekly, complementing the semester of student observations. Discussion of current issues in mathematics education, Math Common Core, pedagogy, and effective teaching tools and strategies will be the focus.

#### Required Resources:

- Articles to be distributed in class

#### Requirements, Assessment, and Grading:

- Class Participation: Students will be required to participate in weekly discussions related to selected readings. An emphasis will be on what good teaching is, how to reach the needs of students, and how to properly prepare lessons
- Research Project: Students will be required to choose a teaching tool, research its benefits, and create a project that illustrates its value to share with the class.

The grade you will receive for this class will be based as follows:

- Research Project.....50%
- Class Participation.....50%

\*\*\*\* edTPA is a pre-service assessment process designed by educators to answer the essential question: "Is a new teacher ready for the job?" edTPA includes a review of a teacher candidate's authentic teaching materials as the culmination of a teaching and learning process that documents and demonstrates each candidate's ability to effectively teach his/her subject matter to all students. Much more information will follow and be distributed throughout the semester.

**Useful Websites:**

- Mathematics Education Program: [www.math.sunysb.edu](http://www.math.sunysb.edu)
- Professional Education Program: [www.stonybrook.edu/pep/](http://www.stonybrook.edu/pep/)
- NCTM: [www.nctm.org](http://www.nctm.org); [illuminations.nctm.org](http://illuminations.nctm.org)
- NY State Common Core: [www.engageny.org](http://www.engageny.org)
- New York State Education Department: [www.nysed.gov](http://www.nysed.gov)
- AMTNYS: [www.amtnys.com](http://www.amtnys.com)
- Stony Brook's SPD Seminars: [www.sunysb.edu/spd/career/tworkshops.html](http://www.sunysb.edu/spd/career/tworkshops.html)
- Fingerprinting: [www.sunysb.edu/spd/career/fingerprinting.html](http://www.sunysb.edu/spd/career/fingerprinting.html)
- To access on-line evaluations:  
<https://pepprod.cc.stonybrook.edu:8443/pep4/PEP-1.jsp>
- edTPA support: <http://edtpa.aacte.org/>

**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>.