MAT 200 (Summer I 2014) Logic, Language, and Proof

Instructor: James Mathews, office in math building 2-105

Course description: Mathematicians translate discourse into precise definitions and claims that can be scrutinized in a uniform way. Then standard methods of proof or dis-proof can be brought to bear. We will learn the basic language and methods, and apply them in the setting of elementary geometry and number theory.
Including: Mathematical grammar, the idea of proof, proof techniques, sets, functions, integers, counting, modular arithmetic, axiomatic geometry.

Textbook: Peter J. Eccles, An Introduction to Mathematical Reasoning: numbers, sets and functions

Schedule: TuTh 1:30pm-4:55pm
Week 1: May 27, 29.
Week 2: June 3, 5.
Week 3: June 10, 12.
Week 4: June 17, 19.
Week 5: June 24, 26.
Week 6: July 1, 3.

Location: Main Library N4000

Grading:
40% Homework
30% Midterm
30% Final

Information for students with disabilities: If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services at http://studentaffairs.stonybrook.edu/dss/ or (631) 632-6748. 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 Disability Support Services. For procedures and information go to the following website: http://www.stonybrook.edu/ehs/fire/disabilities.shtml

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