

CMSC210 (Fall 2003) Take-Home Exercise Self-Evaluation Form

Module	A
Your name	
Names of your collaborators	
List of exercises submitted on-time	Circle: 00 A1 A2 A3
List of exercises completed by this time	Circle: 00 A1 A2 A3
Approximate number of hours spent	hours (for all these exercises)
Self-evaluation (between 0 and 10)	
Adjustment by the instructor	

Module A Performance Goals (expected outcomes and abilities to be observed as a result of successful learning)

Note that “mathematical structures” and “logical statements” are discussed only *informally*.

1. Model a variety of real-world phenomena as mathematical structures.
2. Analyze whether a mathematical structure satisfies a collection of logical statements.
3. Specify mathematical structures using logical statements.
4. Analyze, distinguish, and relate mathematical structures with respect to their components ~~and the properties associated with the components.~~
5. Identify cases where (i) different set of logical statements satisfy the same mathematical structures, and (ii) a set of logical statements satisfies multiple mathematical structures including unintended ones.
6. ~~Convince others that the modeling process is logically sound, using proofs and other methods of justification.~~

Justification referring to the performance goals:

Note: Coming up with a way to convince others (including the instructor) about your achievements can be seen as an application of Discrete Math. Carefully think about how you can do this *sufficiently* and *concisely* (in this course, the length of your writing is not important). If this appears difficult at first, you are expected to develop such a skill through the exchanges between you and the instructor. If you have questions, contact the instructor.