Evaluation Administration

Instructor:	**Hu,Wenqing**	Title:	**Special Topics**
Section(s):	**MATH 6001 1B**	Term:	**SP2019**

Number Responding: **12**   Number Enrolled: **18**   Percent Responding: **66.67%**   Effectiveness: **3.67**

Student Comments

What are the strengths and weaknesses of the instructor?
Dr. Hu strengths is his ability to simplify the complex mathematical theories presented in the class into easy to understand segments while not losing the mathematical rigor.
Very attuned to the needs and abilities of his students. This was composed of a wide variety of abilities (cross disciplinary topic) and Dr. Hu always made sure that the topic was accessible to all, yet not boring to the few advanced students in the room. He was quick to step over to the side board and conjure up a few example/counterexamples when he recognized that someone did not understand something.
Dr.Hu is a very knowledgable and interesting professor. He is very proficient with the machine learning algorithm and expressing clearly to us.
Dr. Hu has excellent and inspiring knowledge of the subject. The instructor inspires a passion for machine learning and I will definitely take a similar course if offered by the same professor.
He is a great professor. However, there are few things that are out of his control but affect the quality of the course: the room was too small (please do not assign that room for any math or prrof based courses), the bord was too small and he was not able to show all the proofs in on board, which is hesitating since he needs to refer to the previous steps as proof goes on. Also this was the first time the course was being offered and the pace of the material was not adjusted priperly. All in all he is a good teacher, but talking very fast and always on rush to cover the material (possibly since this is the first time this course is being offered at MST).
Strengths: Sound grip over his content. Very knowledgeable. Weaknesses: Pretty fast in explaining few of the chapters.
+very knowledgeable +very interested in students comprehension of material +accessible outside class -repeats himself often -speaks very fast -spends much time in trivialities and is superficial on more important aspects (so far to actually be wrong the way it is presented - but wants to "convey feeling of how it works" to engineers) -erases the board without asking and before it is possible to copy (partly not his fault because the room was plainly awful)

What suggestions do you have for improving the quality of instruction?

Because to the topic and class schedule, I suggest a large chalkboard or access to class video. Because of the small chalkboard and the mathematical notions, the class members had to resort to taking pictures of the board if they were not able to transcribe fast enough.

The only improvement will come with age and experience. This instructor keeps getting better every time I sit his classes. As a 30+ year veteran educator, I am well aware of the qualities necessary to efficient instruction. Early on I predicted that Wen Hu had the makings of a great teacher. He has certainly lived up to my expectation. Another ten years (?) and he will most likely be referred to as Master Teacher. Others could take a lesson.

I am very satisfied with the quality.

Incorporate programming examples to demonstrate the strength of the mathematical algorithms shown in class.

Good and big room with a big board is essential for this course (lots of useful proofs), better organization would be helpful. Also using some applied examples/assignments would help me to understand the topics and be able to apply my knowledge and see its effect in the real world.

Could have been provided sufficient time to the students to take lecture notes.

What are the strengths and weaknesses of the course?

A deeper understanding to the underlying theory that machine learning is build upon is a great strength.

This course exemplifies the standard that MS&T holds as a first rate research institution. The lessons were interspersed with very current citations (often pre-publication...most within the last year or so) reflecting the highly fluid state of development of the Machine Learning community. Because of this, I would certainly not hesitate to take this course again; and look forward to seeing the strides made in the next couple of years.

Great course, the lecture notes that were prepared and available online were an amazing resource for both the course and in general.

This course contains lots of state-of-art machine learning algorithms, which is a precious opportunity for the students to learn.

The class material felt cutting-edge.

Course needs to be organized better (hopefully will be better in the future). Also needs some engineering/applied examples. All in all it is a very good course (needs some improvements to get better) and I am sure in the future will be better. I may audit the course later if it has more applied assignments.

strengths: Give an insight of optimization and popular algorithms. weaknesses: The homework doesn't require any sort of coding.

What suggestions do you have for course improvement?

I reiterate what I stated in the "suggestions do you have for improving the quality of instruction" portion of the evaluation.

Lower the teaching load of the Master teachers, giving them the opportunity to develop courses at this high achievement level. Also please refrain from scheduling mathematics courses in

| rooms that do not have sufficient chalkboard space. Dr Hu should be given an award just for the patience he demonstrated, on a daily basis, dealing with sub-standard facilities. |
| Assignments or projects that required writing programs that used some of these algorithms would be interesting assignments. Other than that, I really liked the breadth of material covered. The pace was manageable and enough time was given to justify conclusions. |
| Not now. |
| Incorporate examples using real data. |
| I think I already answered this part :) |
| The instructor can introduce coding for 1/2 home works. Once a student will apply the an algorithm by doing coding in hand, he will understand much better. |

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