

Frequently Asked Questions with Answers

1. **Do I have to take the new Mathematical Physics sequence if I have already taken PHYS 2390/2490?**

Answer:

- a. If you have taken the current Theoretical Physics 1 (PHYS 2390) and Theoretical Physics 2 (PHYS 2490), you do not have to take the new Mathematical Physics sequence (PHYS 2496 and PHYS 3496) and you may use PHYS 2490 instead of PHYS 3496 as a prerequisite for the 4000-level courses.
- b. If you have taken only PHYS 2390, you do not have to take MATH 2720 but you have to take PHYS 2496 and PHYS 3496.
- c. If you have not taken neither PHYS 2390 nor PHYS 2490 (e.g. year 2 students) then you should take MATH 2720 in the Fall then PHYS 2496 in the Winter then PHYS 3496 in the following Fall.

2. **Is the current Quantum Physics sequence equivalent to the new Quantum Mechanics one?**

Answer: PHYS 2380, 3380 and 4390 can be used instead of PHYS 2386, 3386 and 4386, respectively to satisfy the requirements of the program as well as the prerequisites of other courses.

3. **If I took the current PHYS 2650 and 3650 (Classical Mechanics 1 and 2) but not PHYS 3660 and if PHYS 3660 is required in my current program, what do I do?**

Answer: PHYS 3660 will be offered one more time as a reading course in Winter 2019.

4. **If I am already in the program, do I have to go back and take required first year courses in the new programs (e.g. COMP 1012, ASTR 1810, etc...)?**

Answer: No. But they are recommended if you can fit them in your schedule.

5. **Is there a list of current courses that be considered equivalent to new courses in the program?**

If you have taken	You can't take for credit
PHYS 2390	MATH 2720
PHYS 2490	PHYS 2496 (you <u>don't</u> have to take PHYS 3496 but you may take it for credit)
PHYS 2380	PHYS 2386
PHYS 3380	PHYS 3386
PHYS 4390	PHYS 4386
PHYS 3640	PHYS 4646
PHYS 3680	PHYS 4680
PHYS 1810	ASTR 1810
PHYS 2070	ASTR 2070
PHYS 3180	ASTR 3180
PHYS 4230	ASTR 3230
???	Ask your mentor in the department

Note: If you are in the Astronomy and Astrophysics Honours program, you should take the new ASTR 2000 which is a prerequisite for the upper-level ASTR courses.