

Syllabus : *Physics 296 (Tait)*

Requirements for a Satisfactory grade in this course:

- In the beginning of the quarter, schedule a one-on-one meeting with the instructor to formulate a quarterly research plan.
- Schedule one-on-one meetings with the instructor per quarter, keeping the instructor informed about research progress, challenges and obstacles and discussing the next steps.
- Actively participate in research group meetings, as scheduled by the instructor, and present research progress when called upon.
- Stay current with relevant literature by reading the daily arXiv postings in hep-ph, sharing relevant new articles with the instructor.
- Read assigned literature and present/submit literature reviews when requested by the instructor.
- Attend the weekly Joint Particle Seminar, Particle Journal Club, and Department Colloquium.
- Enroll in Physics 247: Special Topics in Particle Physics when it is offered.
- Work on improving scientific writing skills by writing abstracts for conferences and manuscripts for publication, as directed during our research meetings.
- Prepare and submit fellowship, grant, and summer school applications as appropriate and discussed during our research meetings.
- At the end of the quarter, present a satisfactory report on your research progress over the quarter and discuss its alignment with the quarterly research plan.

Note : Theoretical research is an uncertain process, and it is common to identify subtleties and unforeseen facets during the process of working on it. It is perfectly satisfactory to deviate from the quarterly research plan in response to developments such as these. That said, any such developments should be discussed with the instructor as quickly as reasonably possible. Over-all progress will be judged based on research productivity including the time spent on unforeseen developments that have been discussed with the instructor..

Grading : Students will earn a Satisfactory (S) grade based on making substantial research progress and meeting the requirements listed above.

Academic integrity : Learning, research, and scholarship depend upon an environment of academic integrity and honesty. This environment can be maintained only when all participants recognize the importance of upholding the highest ethical standards. All student work, including quizzes, exams, reports, and papers must be the work of the individual receiving credit. Academic dishonesty includes, for example, cheating on examinations or any assignment, plagiarism of any kind (including improper citation of sources), having someone else take an examination or complete an assignment for you (or doing this for someone else), or any activity in which you represent someone else's work as your own. Violations of academic integrity will be referred to the Office of Academic Integrity and Student Conduct, and may result in a grade

of 'unsatisfactory'. Please familiarize yourself with UCI's Academic Integrity Policy (<https://aisc.uci.edu/policies/academic-integrity/index.php>) and speak to the instructor if you have any questions about what is and is not allowed.

Disability services : University of California, Irvine is committed to providing a barrier free environment for persons with documented disabilities. If you have any questions about accommodations, please contact the Disability Services Center at 949-824-7494 or register online at www.dsc.uci.edu.