

A brief guidance about the final year physics honors project and evaluation criteria:

Things to do before starting the project:

1. Student should approach potential supervisor and jointly settle to do a project for the final year honors. If the supervisor is not from NUS Physics department, the student must find a co-supervisor from the department. It is the student's duty to organize and find a project for her/his FYP thesis.
2. The supervisor and the student should agree with two Faculty members to be assessors for the project. This must be done before the project starts. Potential assessors may accept or decline this role (assessing 2-3 projects is considered reasonable).
3. Once this information is collected, at latest by the end of Week 0, the student will fill up a web-form (link will be sent in due course). A confirmation e-mail will be sent to the student, supervisor(s) and assessors.
4. Note that no Faculty member can guide more than 3 (three) FYPs in any capacity (supervisor or co-supervisor).

What cannot be a FYP thesis

Starting from AY18/19, pure review projects won't be accepted as a FYP thesis (the assessors will be judging it). Projects that involve mostly data analysis are acceptable, but the student is required to acquire good knowledge of the physics involved. In other words, the student should be able to answer the question "in what sense your formation in physics has been relevant for this project".

Evaluation criteria and weightages

Please note that the evaluation of the oral presentations are performed by a larger set of faculty members (including supervisors and assessors)

Evaluation	2 nd oral	Final oral	Thesis (supervisor)	Thesis (Assessors (2))
Weightages (%)	5	20	35	40
Criteria	Organization of talk		Difficulty of project	
	Clarity		Originality of research project [Take into account whether or not the project is a new initiative, or is similar to a previous or ongoing project]	
	Mastery of subject		Student understanding of the fundamental aspects of the project [eg basic concepts, understanding of computer programs, instrumentation, formulae etc]	
	Overall impression of the project		Independence of student [Take into account any extra help received (eg from graduate students in the same group)]	
	Ability to answer questions		Originality of students contribution [Take into account whether the student has designed or constructed equipment, written computer programs, developed theoretical models, formulae etc.]	
			Substantiality of student's contribution [Is the work done consistent with the required time for the project ie 6 hours per week for 22 weeks?]	
			Quality of thesis [Take into account clarity, coherence, organization, error analysis, diagrams, references and literature review]. Supervisors should also take into account how much help was needed to complete the thesis.	