

The project time table is split into 3 major parts. Semester 2 part 1, which will constitute the bulk of the workable period. The Easter break, which will be mostly empty, and the second part of semester 2. In semester 2 part 1 the main goal is to learn how to use the equipment, conduct the first experiment and then analyse the data. Training will take about a week and will cover use of the Raman spectrometer and also time spent on learning the analysis software. The experiment will then be conducted when there is time during the allocated weeks. The preliminary data analysis will be just an unanalysed data set and should hopefully show expected results.

The bulk of the data analysis will either involve coding of a program/algorithm which can analyse any Raman/Photoluminescence data given to it, or analysis using a program such as ORIGIN. The project will then be split up into 2 parts. If the data analysis takes a very long time or a program/algorithm could not be developed the additional objectives will be unable to be completed. This will have to be judged towards the start of the possible second experiment. The plan however takes into account the possibilities of not completing the additional objectives but allows sufficient time for them to be completed.

Easter is kept mostly blank to allow a break and emergency time if required. If the bonus objective is attempted then time during the Easter will be needed to complete the data analysis. After the break the second part of semester will be wholly dedicated the report writing and preliminary writing will have begun already during the second semester part 1.

The milestones are important deadlines and must be kept to due to work deadlines or tasks which should not be taken past that point. MS 1 is the preliminary result deadline. MS 2 is the point after which no more experimental work should be carried out due to insufficient time. MS3 is the final deadline by which all report writing should be finished by. The weekend will be used for final observations and presentation completion.

The additional objectives will constitute analysing different and possibly more difficult diamonds. As the main objective is the most important it will be given priority over all additional objectives and such objectives will only be attempted if it is felt they can be accomplished. A lab diary will be taken into every experimental setup in order to record developments as experiment goes on.

You can find the timetable below.

Semester 2	26/01/15-01/02/15	02/02/15-08/02/15	09/02/15-15/02/15	16/02/15-22/02/15	23/02/15-01/03/15	02/03/15-08/03/15	09/03/15-15/02/15	16/03/15-22/03/15
Part 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Raman/PI Training							
	Data Analysis Training							
		Experiemental	Experiemental					
			Preliminary Data Analysis					
			MILESTONE 1					
				Data Analysis				
						Report Writing	Report Writing	Report Writing
						Second Experiment	Data Analysis 2	Data Analysis 2
								Third Experiemental
								MILESTONE 2
			Primary Objective					
		Secondary Objective						
		Bonus Objective						
		Milestones						
	Reasoures Required	Various Diamonds						
		Supervisor						
		Possibly ORIGIN						
		Software						

