

1.	Name of Course/Module	Project I and II
2.	Course Code	HRD3019
3.	Status of Subject	Core for B. Sc Bioinformatics
4.	MQF Level/Stage	Bachelor Degree – MQF Level 6
5.	Version (state the date of the last Senate approval)	June 2012
6.	Requirement for Registration	Completed 60 Credit Hours (excluding Arts and Humanities)
7.	Name(s) of academic/teaching staff	Tan Chai Hong
8.	Semester and Year offered	Trimester 1 and 2 (Delta level)
9.	Objective of the course/module in the programme :	
	<ol style="list-style-type: none"> 1. To expose students to the techniques and philosophies of scientific research. 2. To apply research protocols and tools studied during the course work. 3. To practice research in a specific area of bioinformatics. 4. To develop oral presentation skill. 5. To be trained in writing a dissertation/research paper for publication. 	
10.	Learning Outcomes :	
	<p>At the completion of the subject, students should be able to:</p> <p>LO1: Perform project planning, design, implementation and management. (Cognitive, level 5)</p> <p>LO2: Demonstrate capability in working independently. (Affective, level 3)</p> <p>LO3: Demonstrate problem solving skills. (cognitive, level 6, Affective, level 3)</p> <p>LO4: Describe the project in a report using technical writing skills. (Cognitive, Level 6)</p> <p>LO5: Perform formal project presentation and question handling. (Affective, Level 3)</p>	
11.	Synopsis:	
	Students will be required to undertake a research project, and present their finding in the form of a written report and an oral presentation.	
	Pelajar perlu membuat projek penyelidikan dan mempersembahkan keputusan penyelidikan dalam bentuk laporan dan lisan.	
12.	Mapping of Subject to Programme Outcomes :	
	Programme Outcomes	% of Contribution
	PO1: Apply soft skills in work and career related activities	16.00
	PO4: Recognise and pursue continued life-long learning throughout their career	16.00
	PO5: Blend innovative mind and entrepreneurial skills	16.00
	PO6: Relate moral and ethical values to the practice of a professional	12.00
	PO7: Demonstrate knowledge and understanding of essential facts, concepts, principles, and theories relating to bioinformatics	12.00
	PO8: Apply principles and knowledge of bioinformatics in relevant areas	12.00
	PO9: Demonstrate the ability in analysing, modelling, designing, developing and evaluating computing solutions	16.00

13.	Assessment Methods and Types :		
	Method and Type	Description/Details	Percentage
	Phase I: General Effort, presentation & interim report		30%
	Phase II: General effort, presentation & final report, project implementation and business plan/research paper		70%
14.	Details of Subject		
	Topics	Mode of Delivery	
		Lecture	Tutorial
	<p>Each student shall be required to undertake a project which is of academic value for a period of 2 trimesters.</p> <p>At the end of the project, it is expected that the student submits a proper written report and to present his/her work at a seminar.</p> <p>The Grade will be calculated in the CGPA.</p> <p>Students meet up with supervisors every week for update and consultation (0.5 to 1 hour). Supervisors will also check on students' work in the lab every week (0.5 hour).</p> <p>The Project will be in two phase :</p> <p>Phase I</p> <p>(i) Project formulation including initial reading/ study, discussion with supervisor to decided about the project</p> <p>(ii) Preparation and submission of Research Proposal</p> <p>Phase II</p> <p>(i) Full implementation of the Approved project</p> <p>(ii) Oral Presentation</p> <p>(iii) Submission of written report</p>		
	Total		
15.	Tutorials		
	Not applicable		
16.	Total Student Learning Time (SLT)	Face to Face (Hour)	Total Guided and Independent Learning
	Project work	-	180
	Progress monitoring	28	28
	Presentation	1	3
	Final report	2	80
	Sub Total	31	291
	Total SLT	322/40 = 8.05 => 8	
17.	Credit Value	8	

18.	Reading Materials :	
	Textbook	Reference Materials
		Relevant text, scientific publications and journals.
19.	Appendix (to be compiled when submitting the complete syllabus for the programme) : <ol style="list-style-type: none"> 1. Mission and Vision of the University and Faculty 2. Mapping of Programme Objectives to Vision and Mission of Faculty and University 3. Mapping of Programme Outcome to Programme Objectives 4. Programme Objective and Outcomes (Measurement and Descriptions) 	