

**SUMMARY OF INFORMATION ON EACH COURSE**

1.	Name of Course	Project								
2.	Course Code	HRD3011								
3.	Status of Course [Applies to (cohort) ]	Specialisation core for B.Sc (Hons) Bioinformatics								
4.	MQF Level/Stage	Bachelor Degree – MQF Level 6								
5.	Version (State the date of the Senate approval – history of previous and current approval date)	Date of previous Version: June 2014 Date of current version: July 2016								
6.	Pre-Requisite	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, Year 3								
9.	Objective of the course in the programme : <ol style="list-style-type: none"> <li>1. To expose students to the techniques and philosophies of scientific research.</li> <li>2. To apply research protocols and tools studied during the course work.</li> <li>3. To practice research in a specific area of bioinformatics.</li> <li>4. To develop oral presentation skill.</li> <li>5. To be trained in writing a dissertation/research paper for publication.</li> </ol>									
10.	Justification for including the course in the programme : The subject provides the exposure to the bioinformatics students to learn the techniques and philosophies in scientific research and also presentation skills.									
11.	Course Learning Outcomes :		Domain			Level				
	LO1 Develop project planning, design, implementation and management		Cognitive			Level 5				
	LO2 Demonstrate capability in working independently		Affective			Level 3				
	LO3 Demonstrate problem solving skill		Cognitive			Level 3				
	LO4 Describe the project in report using technical writing skills		Cognitive			Level 6				
LO5 Perform formal project presentation and question handling		Affective			Level 2					
12.	Mapping of Learning Outcomes to Programme Outcomes :									
	Learning Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	LO1	x			x			x	x	
	LO2	x								
	LO3	x				x				
	LO4						x	x	x	x
LO5	x					x		x	x	

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13.	Assessment Methods and Types :						
	Method and Type		Description/Details			Percentage	
	1. Phase I: General Effort, presentation & interim report		Project report I, Presentation			30%	
	2. Phase II: General effort, presentation & final report, project implementation and business plan/research paper		Project report II, Presentation			70%	
14.	Mapping of assessment components to learning outcomes (LOs)						
	Assessment Components	%	LO1	LO2	LO3	LO4	LO5
	Project I	30	X	X		X	X
	Project II	70	X	X	X	X	X
15.	Details of Course						
	Description				Mode of Delivery (eg : Lecture, Tutorial, Workshop, Seminar, etc.) Indicate allocation of SLT (lecture, tutorial, lab) for each subtopic		
					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 phases :</p> <p>Phase I</p> <p>(i) Project formulation including initial reading/ study, discussion with supervisor to decide 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>				NA	NA	

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Total			
Total Student Learning Time (SLT)	Face to Face / Guided Learning	Independent Learning	
Project work	-	180	
Progress monitoring	28	28	
Presentation	1	3	
Final report	2	78	
Sub Total	31	289	
Total SLT	<b>320</b>		
16. Credit Value	8		
17. Reading Materials :			
Textbooks			
NA			
Reference Material (including 'Statutes' for Law)			
Relevant text, scientific publications and journals.			

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Appendix (to be compiled when submitting the complete syllabus for the programme) :

1. Mission and Vision of the University and Faculty
2. Programme Objectives or Programme Educational Objectives
3. Programme Outcomes (POs)
4. Mapping of POs to the 8 MQF domain
5. Summary of the Bloom's Taxonomy's Domain Coverage in all the Los in the format below :

Subject	Learning Outcomes (please state the learning outcomes)	Bloom's Taxonomy Domain		
		Affective	Cognitive	Psychomotor
ABC1234	Learning Outcome 1			
	Learning Outcome 2			
	Learning Outcome 3			
	Learning Outcome 4			
DEF5678	Learning Outcome 1			
	Learning Outcome 2			
	Learning Outcome 3			
	Learning Outcome 4			

6. Summary of LO to PO measurement
7. Measurement and Tabulation of result for LO achievement
8. Measurement Tabulation of result for PO achievement