

SYLLABUS		
1	Name and Code of Course	VGR10101 Research Student Attachment
2	Synopsis	The programme is essentially research-based, where students could be engaged in laboratory experiments, field tests and measurements, interviews, surveys or any other forms of data collection exercises. Other activities may involve attendance in research methodology courses, computer application or software competency acquisition, research skills enhancement and industrial collaboration. These engagements are detailed in a work plan or Gantt chart and the student is placed under the supervision of an academic staff of the related Faculty. At the end of the programme, student is required to demonstrate attainment of the targeted objective(s) in written and oral forms, e.g. technical report, part of thesis, technical paper, poster and other medium as well as oral presentation.
3	Name(s) of academic staff	Appointed supervisor by the related Faculty
4	Semester and Year offered	Subjected to request
5	Credit Value	1 (40 nominal hours)
6	Pre-requisite (if any)	N.A.
7	Course Learning Outcome(s)	<p>CLO 1: To identify and perform suitable data collection and analytical methods to meet the targeted research objectives (PLO6).</p> <p>CLO 2: : To conduct the research work with compliance to related standards as well as legal, ethical and professional codes or requirements (PLO4).</p> <p>CLO 3: : To integrate sustainable solutions from the research work with impact and contribution towards society, economy and environment (PLO3).</p> <p>CLO 4: : To establish sound conclusions from the research findings which reflect adequate knowledge and understanding of the related areas (PLO1).</p>

8	Mapping of the course/module to the Programme Learning Outcomes							
	Course LOs / Program LOs	Programme Learning Outcomes (PLO)				Teaching Methods	Assessment/	KPI
		PLO 1	PLO 3	PLO 4	PLO 6			
	CLO 1: To identify and perform suitable data collection and analytical methods to meet the targeted research objectives (PLO6).				✓			
	CLO 2: To conduct the planned research work with compliance to related standards as well as ethical, professional and socio-economical concerns (PLO3).		✓					
CLO 3: To integrate sustainable solutions from the research work with impact and contribution towards society, economy and environment (PLO3).			✓					
CLO 4: : To establish sound conclusions from the research findings which reflect adequate knowledge and understanding of the related areas (PLO1).	✓							
*Indicate the primary causal link between the CLO and PLO by ticking “✓” the appropriate box.								
9	Transferable Skills (if applicable) (Skills learned in the course of study which can be useful and utilised in other settings)	Skill(s)		How to instill/develop the skills		Assessment Method		
		Practical skills in terms of specific measuring equipment or device, application softwares, etc.		Guidance from supervisor and related experts in laboratory or field settings.		Written form: Technical report, part of thesis, technical paper, poster, etc.		
		Communication skills polished via interaction with supervisor and other related personnel.		Practice and guidance by supervisor.		Oral presentation at end of programme.		
		Literature search and review from various resources.		Guidance by supervisor and assistance by library personnel.		Compilation of related literature in the output writing at end of programme.		

10	Content outline of the course/module and the student learning time (SLT) per topic								
	Course Content	CLO	Teaching and Learning Activities					Total SLT	
			Guided Learning (F2F)				Guided Learning (NF2F)		Independent Learning (NF2F)
			Lecture	Tutorial	Practical	Others			
	1. Research methodology and competency enhancement courses.	1, 2, 3 & 4							
	2. Laboratory or field tests.	1, 2, 3 & 4							
	3. Computer applications or simulations.	1, 2, 3 & 4	Case by case basis (depending on nature and requirements of research.) *Subjected to Faculty's decision.						
	4. Quantitative research data collection.	1, 2, 3 & 4							
	5. Other related research activities according to the students' needs (with agreement of the supervisor).	1, 2, 3 & 4							
	TOTAL								
	Continous Assessment	CLO	Percentage (%)	F2F	NF2F	Total SLT			
	1.		Case by case basis (see above.)						
	TOTAL								
	Final Assessment	CLO	Percentage (%)	F2F	NF2F	Total SLT			
	1. Output writing (report, part of thesis, paper, etc.) & presentation.	4	Case by case basis (depending on duration of study and arrangement with Supervisor.)						
TOTAL									
TOTAL SLT									
*F2F = face to face, NF2F=Non Face to Face									
11	Identify special requirement of resources to deliver the course (e.g., software, nursery, computer lab, simulation room)	Subjected to needs / requirements of student and availability at UTHM.							
12	Main references supporting the course and Additional references supporting the course	Subjected to needs / requirements of student and availability at UTHM.							
13	Other additional information	To be read in conjunction with the provisions for Base Fee, unless there is mutual agreement of fee waiver in the MoU / MoA.							