

1.	Name of subject: Critical Thinking					
2.	Subject code: PCR0025					
3.	Status of subject: Core					
4.	Stage: Foundation					
5.	Version: Date of previous version – March 2011 Date of current version – November 2011					
6.	Name (s) of academic staff: Masyitah Mahadi, Siti Marziah Zakaria, Siti Rasyidah Sanudin, Hawa Rahmat					
7.	Rationale for the inclusion of the subject in the programme: To exhibit the students analytical and problem solving skills and to function within multi-disciplinary teams in and outside classroom.					
8.	Semester and Year offered : Semester 1, Foundation					
9.	Total Student Learning Time (SLT)	Face to Face				Total Guided and Independent Learning
	L = Lecture T = Tutorial P = Practical O = Others	L 33	T 0	P 7	O 3	Independent = 77 Guided = 43 Total = 120
10.	Credit Value : 3 (120/40 = 3)					
11.	Prerequisite (if any) : Nil					
12.	Learning outcomes: i. Identify the importance of Critical Thinking (Affective, Level 1) ii. Interpret arguments and situations logically, and form conclusions (Cognitive, Level 1) iii. Interpret arguments and questions clearly and precisely (Cognitive, Level 4) iv. Solve problems and make decisions accurately (Cognitive, Level 4)					
13.	Synopsis : Major areas of study include: brief introduction to Critical Thinking, science and beyond science, argumentation, problem solving, decision making, and communication skills.					
14.	Mode of Delivery : Lecture					
15.	Assessment Methods and Types : i. Assignment & presentations : 30% ii. Class quizzes : 20% iii. Final Exam : 50% Total : 100%					
16.	Mapping of the subject to the Programme Learning Outcomes:					% of contribution
	To acquire social skill and create awareness of social responsibilities.					16.7
	To demonstrate moral and professional ethics and responsibilities.					25
	To communicate and work effectively and independently, and as member/leader of a team in various context.					16.7
	To acquire analytical and problem-solving skills.					33.3
To acquire lifelong learning skills and information management skills					8.3	
17.	Content outline of the subject and the SLT per topic :					
	TOPIC	Content Outline	SLT			
			Lecture	Practical	Self-study	

1	Introduction Definition, standards, benefits, and barriers of Critical Thinking	3	1	4
2	Science and Beyond Science The basic pattern of scientific reasoning, the limitations of science	3	1	4
3	Argumentation Recognizing arguments; Evaluating arguments, Basic Logical Concepts; Logical Fallacies	15	2	16
4	Language Finding the right words, Emotive language, Euphemisms	6	1	7
5	Cognition and Problem Solving Cognition; Theories of Intelligence; Steps in problem solving; Ways to generate solutions, Barriers to problem solving	3	1	4
6	Decision making Definition of decision making; Individual decision making, Group decision making; Ways to improve decision making	3	1	4
	Presentation	-	-	3
	Class project/assignment	-	-	11
	Mid-term	1	-	4
	Final	2	-	20
	TOTAL	36	7	77

18. **Teaching and Learning Activities/Total Student Learning Time (SLT):**

	Face to Face	Self Learning
Lecture	33	33
Class activities	7	6
Presentation		3
Class project/assignment		11
Mid-term	1	4
Final	2	20
Sub-total	43	77
Total SLT(hours)	120	

19. **Main reference supporting the course:**

Bassham G., Irwin, W. Nardone, H., & Wallace, J.M. (2008). *Critical thinking: A student's introduction*. 3rd ed. Boston: Mc Graw Hill

Additional references supporting the course:

Covey, S.R. (2004). *The seven habits of highly effective people*. New York: A Division of Simon and Schuster
 Epstein, R.L., (2006). *Critical thinking*. Belmont: Thomson Wadsworth
 Fisher Alec. (2001). *Critical thinking: An introduction*. UK: The Press Syndicate of the University of Cambridge
 Hamilton, C, 1997. *Communicating for result* (5th ed.). England: Wadsworth Publishing Company
 Lahey, B.B. (2003). *Psychology an introduction*. Boston: Mc Graw Hill
 Thomas E. H. & John C. S. (2005). *Small group and team communication*. Boston: Pearson