



UNIVERSITI TEKNOLOGI MARA

FSG500: PHILOSOPHY OF SCIENCE

<b>Course Name (English)</b>	PHILOSOPHY OF SCIENCE <b>APPROVED</b>	
<b>Course Code</b>	FSG500	
<b>MQF Credit</b>	2	
<b>Course Description</b>	This course is concerned with the introduction to the philosophy, philosophy of science, and the nature of scientific explanations as well as moral issue in science. It also incorporate western and Islamic philosophies as well as vision 2020 of Malaysia. Students will occasionally listen to but will mostly participate in presentation and dialogues after searching points and facts of given case study and assignment. This will make them to acquire thinking skills, soft skill and decision making in their career and daily living	
<b>Transferable Skills</b>	comunication skills creative thinking inovative thinking scientific knowledge related to everyday life Rational thinking Good ethics delivery	
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Case Study, Discussion, Presentation, Debates, Small Group Sessions	
<b>CLO</b>	CLO1 Define Knowledge, scientific knowledge, and the meaning of realities and existence, and identify the source of knowledge. CLO2 Appreciate open-minded and critical thinking, and why ones must have critical thinking to argue and justify ones' reasoning CLO3 Define science process, elaborate philosophy of science, appreciate scientific knowledge and scientific method. CLO4 Identify science reasoning skills, scientific method, explanation and moral judgments. CLO5 Compare between Western and Islamic philosophy, and Vision 2020. Collaborate with team members in team-related assessment tasks	
<b>Pre-Requisite Courses</b>	No course recommendations	
<b>Reading List</b>	<b>Recommended Text</b> <b>Reference Book Resources</b>	<ul style="list-style-type: none"> <li>• James Ladyman, <i>Understanding Philosophy of Science</i></li> <li>• Teichman, J. and Evans, K.C. 1995, <i>Philosophy, A Beginners Guide</i>, 2 Ed., Blackwell, Oxford</li> <li>• Rosenberg, A. 2000, <i>Philosophy of Science : A Contemporary Introd</i></li> <li>• Schick Jr, T. 2000, <i>Readings in the Philosophy of Science, From Positivism to Postmodernism</i>, Mayfield Pu</li> <li>• Losee, J. 1993, <i>A Historical Introduction to the Philosophy o</i>, 3 Ed., Oxford</li> <li>• Ginsburg, H.P. &amp; Opper, S. <i>Piaget's Theory of Intellectual Developmen</i>, 3 Ed.</li> <li>• Al-Attas S.M.N. 1999, <i>The Concept of Education In Islam, A Framewor</i>, ISTAC, Kuala Lumpur</li> <li>• Engel, S. M. 1982, <i>With Good Reason, An Introduction to Informal</i>, 2 Ed., St. Martins Press, New York</li> <li>• Edwards P. A . 1973, <i>Modern Introduction to Philosophy</i>, The</li> </ul>

		<b>Free Press, New York</b>
<b>Article/Paper List</b>	This Course does not have any article/paper resources	
<b>Other References</b>	This Course does not have any other resources	