



**UNIVERSITI TEKNOLOGI MARA**

**CTU500: INTRODUCTION TO ISLAMIC ASTRONOMY**

<b>Course Name (English)</b>	INTRODUCTION TO ISLAMIC ASTRONOMY <b>APPROVED</b>				
<b>Course Code</b>	CTU500				
<b>MQF Credit</b>	3				
<b>Course Description</b>	This course aims to introduce students about ibadah from astronomical aspect. Therefore, we shall look on determination of prayer times, determination of kiblah and taqwim & determination of Islamic new moon. Basic foundation of key concepts in astronomy will be given in order to understand the phenomena better.				
<b>Transferable Skills</b>	<ol style="list-style-type: none"> <li>1. Analysis skill</li> <li>2. Communication skill</li> <li>3. Handling equipment skill</li> <li>4. Ethics and professional moral</li> </ol>				
<b>Teaching Methodologies</b>	Lectures, Demonstrations, Field Trip, Practical Classes, Discussion, Presentation				
<b>CLO</b>	<p>CLO1 Explain relationships between ibadah in Islam and the application of astronomy</p> <p>CLO2 Apply concepts and theory in astronomy for the purpose of ibadah</p> <p>CLO3 Analyse different application of astronomy in ibadah</p>				
<b>Pre-Requisite Courses</b>	No course recommendations				
<b>Reading List</b>	<table border="1"> <tr> <td><b>Recommended Text</b></td> <td> <ul style="list-style-type: none"> <li>• Bennet, J., Donahue, M., Schneider, N., &amp; Voit, M. 2008, <i>The Cosmic Perspective</i>, 5th ed. Ed., Pearson Education San Francisco</li> <li>• Zainal, B. 2002, <i>Pengenalan Ilmu Falak</i>, Dewan Bahasa dan Pustaka Kuala Lumpur</li> <li>• Qureshi, M. M. 2006, <i>Introduction to Contributions to Science &amp; Technology</i>, Adam Publishers &amp; Distributors New Delhi</li> <li>• Mulkan, J. A. 2001, <i>Al-Qur'an dan Sains</i>, Pustaka Darussalam Shah Alam</li> </ul> </td> </tr> <tr> <td><b>Reference Book Resources</b></td> <td> <ul style="list-style-type: none"> <li>• Lawrence, H. 2010, <i>So You Want a Meade LX Telescope! How to Select and Use the LX200 and Other High-End Models.</i>, Springer (e-book) Boston</li> <li>• Plotner, T. 2010, <i>Moonwalk with Your Eyes A Pocket Field Guide.</i>, Springer (e-book) Boston</li> </ul> </td> </tr> </table>	<b>Recommended Text</b>	<ul style="list-style-type: none"> <li>• Bennet, J., Donahue, M., Schneider, N., &amp; Voit, M. 2008, <i>The Cosmic Perspective</i>, 5th ed. Ed., Pearson Education San Francisco</li> <li>• Zainal, B. 2002, <i>Pengenalan Ilmu Falak</i>, Dewan Bahasa dan Pustaka Kuala Lumpur</li> <li>• Qureshi, M. M. 2006, <i>Introduction to Contributions to Science &amp; Technology</i>, Adam Publishers &amp; Distributors New Delhi</li> <li>• Mulkan, J. A. 2001, <i>Al-Qur'an dan Sains</i>, Pustaka Darussalam Shah Alam</li> </ul>	<b>Reference Book Resources</b>	<ul style="list-style-type: none"> <li>• Lawrence, H. 2010, <i>So You Want a Meade LX Telescope! How to Select and Use the LX200 and Other High-End Models.</i>, Springer (e-book) Boston</li> <li>• Plotner, T. 2010, <i>Moonwalk with Your Eyes A Pocket Field Guide.</i>, Springer (e-book) Boston</li> </ul>
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<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				