



UNIVERSITI TEKNOLOGI MARA

MAT085: MATHEMATICS II (FURTHER)

<b>Course Name (English)</b>	MATHEMATICS II (FURTHER) <b>APPROVED</b>		
<b>Course Code</b>	MAT085		
<b>MQF Credit</b>	4		
<b>Course Description</b>	This course is a continuation of basic mathematics, MAT084. The mastery of mathematics concepts at SPM level was further strengthened so that the students can understand in depth and widen its usage. This course consists several topics such as circular measure, solution of triangles, functions, inequalities, probability, logical reasoning and vectors. These will prepare the students for diploma level programs.		
<b>Transferable Skills</b>	None		
<b>Teaching Methodologies</b>	Lectures, Tutorial		
<b>CLO</b>	<p>CLO1 State the concepts, rules and operations involving solution of triangles, circular measure, functions, inequalities, probability, logical reasoning and vectors.</p> <p>CLO2 Identify the appropriate techniques to solve the problems related to solution of triangles, circular measure, functions, inequalities, probability, logical reasoning and vectors by applying the appropriate techniques.</p> <p>CLO3 Construct a tree diagram to solve probability problems and a vectors as combination of other vectors.</p>		
<b>Pre-Requisite Courses</b>	No course recommendations		
<b>Reading List</b>	<table border="1"><tr><td><b>Reference Book Resources</b></td><td><ul style="list-style-type: none"><li>• Bostock and S. Chandler 1992, <i>Pure Mathematics I</i>, Ed., , Stanley Thornes (Publishers) Ltd [ISBN: ]</li><li>• Bostock and S. Chandler 1992, <i>Pure Mathematics II</i>, Ed., , Stanley Thornes (Publishers) Ltd [ISBN: ]</li><li>• Moy Wah Goon, Ooi Soo Huat, Wong Teck Sing &amp; Jessy Chia 2011, <i>Focus SPM Additional Mathematics</i>, Pelangi</li><li>• Cham Juat Eng, Chow Chin Mun, Teh Eng Kiat, Yeo Moy Kim, Yeow Pow Choo &amp; Lee Meow Choon 2011, <i>Focus SPM Mathematics</i>, Pelangi</li><li>• Cynthia Young 2006, <i>Algebra and Trigonometry</i>, 2nd Edition Ed., Wiley</li><li>• P.C.Lee 2008, <i>Quick Reference SPM Additional Mathematics</i>, EASTVIEW</li><li>• Sim Kwang Yaw 2007, <i>SPM Total Analysis Pro Mathematics</i>, Sasbadi</li><li>• Tan Chong Eng 2007, <i>New Vision Additional Mathematics SPM</i></li></ul></td></tr></table>	<b>Reference Book Resources</b>	<ul style="list-style-type: none"><li>• Bostock and S. Chandler 1992, <i>Pure Mathematics I</i>, Ed., , Stanley Thornes (Publishers) Ltd [ISBN: ]</li><li>• Bostock and S. Chandler 1992, <i>Pure Mathematics II</i>, Ed., , Stanley Thornes (Publishers) Ltd [ISBN: ]</li><li>• Moy Wah Goon, Ooi Soo Huat, Wong Teck Sing &amp; Jessy Chia 2011, <i>Focus SPM Additional Mathematics</i>, Pelangi</li><li>• Cham Juat Eng, Chow Chin Mun, Teh Eng Kiat, Yeo Moy Kim, Yeow Pow Choo &amp; Lee Meow Choon 2011, <i>Focus SPM Mathematics</i>, Pelangi</li><li>• Cynthia Young 2006, <i>Algebra and Trigonometry</i>, 2nd Edition Ed., Wiley</li><li>• P.C.Lee 2008, <i>Quick Reference SPM Additional Mathematics</i>, EASTVIEW</li><li>• Sim Kwang Yaw 2007, <i>SPM Total Analysis Pro Mathematics</i>, Sasbadi</li><li>• Tan Chong Eng 2007, <i>New Vision Additional Mathematics SPM</i></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		