

# Master of Mathematics at Lee Kong Chian Faculty of Engineering & Science

## Programme Structure

By Coursework and Project : Coursework (Credit hours: 40) : 3 basic + 5 core units + 2 electives; and Project (Credit hours: 10)				
Details of Units:				
No.	Unit Code	Unit Title	Type	Credit Hours
1	MEME15106	Project	Core	10
2	MEMG10303	Research Methods in Mathematical Sciences	Basic	3
3	MEME15903	Design of Experiments and Quality Engineering	Basic	3
4	MEME15203	Statistical Inference	Basic	3
5	MEME15303	Advanced Matrix Algebra	Core	3
6	MEME16103	Multivariate Analysis	Core	3
7	MEME15803	Elementary Stochastic Modelling	Core	3
8	MEME16003	Sampling Techniques	Core	3
9	MEME16203	Linear Models	Core	3
10	MEME16303	Advanced Probability Theory	Elective	3
11	MEME17003	Applied Multivariate Analysis	Elective	3
12	MEME17803	Stochastic Analysis for Finance and Actuarial Science	Elective	3
13	MEME19203	Numerical Methods for Stochastic Models in Finance	Elective	3
14	MEME16603	Generalized Linear Models	Elective	3
15	MEME16403	Intermediate Stochastic Modelling	Elective	3

**(4 specialization Algebra, Combinatorics, Statistics, Financial Mathematics)**

**Intakes: Jan & May**

**Duration**

Full-time: Minimum 1.5 years; Maximum 4 years

Part-time: Minimum 2 years; Maximum 6 years

**Indicative Fee (RM)**

**Malaysian**

Full-time :RM 17,900.00

Part-time :RM 17,900.00

**International**

Full-time: RM27,440.00

**Mode of Study : By Coursework**

**Head of Programme**

Dr Goh Yong Kheng

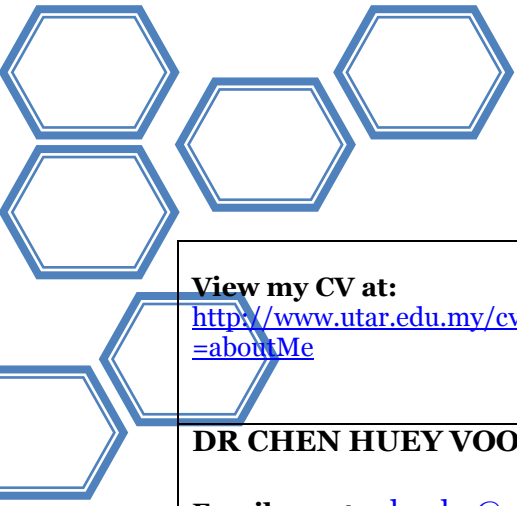
Email: [gohyk@utar.edu.my](mailto:gohyk@utar.edu.my)



## LIST OF QUALIFIED TEACHING LECTURERS/SUPERVISOR

<p><b>DR GOH YONG KHENG</b></p> <p>Email me at: <a href="mailto:gohyk@utar.edu.my">gohyk@utar.edu.my</a></p> <p>View my CV at: <a href="http://www.utar.edu.my/cv/index.jsp?cv=gohyk&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=gohyk&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"><li>• Bioinformatics</li><li>• Computational Finance</li><li>• Computational Physics</li><li>• Statistical Mechanics</li></ul>
<p><b>DR CHANG YUN FAH</b></p> <p>Email me at: <a href="mailto:changyf@utar.edu.my">changyf@utar.edu.my</a></p> <p>View my CV at: <a href="http://www.utar.edu.my/cv/index.jsp?cv=changyf&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=changyf&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"><li>• Applied Statistics</li><li>• Functional Relationship Model</li><li>• Image Processing and Pattern Recognition</li><li>• Multivariate Analysis and Data Mining</li><li>• Survey and Opinion Poll</li></ul>
<p><b>DR TAN CHOON PENG</b></p> <p>Email me at: <a href="mailto:tancp@utar.edu.my">tancp@utar.edu.my</a></p> <p>View my CV at: <a href="http://www.utar.edu.my/cv/index.jsp?cv=tancp&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=tancp&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"><li>• Mathematical Theory of Investment</li></ul>
<p><b>DR. GLORIA TENG AI HUI</b></p> <p>Email me at: <a href="mailto:gloriateng@utar.edu.my">gloriateng@utar.edu.my</a></p> <p>View my CV at: <a href="http://www.utar.edu.my/cv/index.jsp?cv=gloriateng&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=gloriateng&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"><li>• Computational Statistics;</li><li>• Data mining;</li><li>• Statistics in transportation management.</li></ul>

<p><b>DR GOH YANN LING</b></p> <p>Email me at: <a href="mailto:gohyl@utar.edu.my">gohyl@utar.edu.my</a></p> <p>View my CV at:  <a href="http://www.utar.edu.my/cv/index.jsp?cv=gohyl&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=gohyl&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"> <li>• regression analysis</li> <li>• statistical computation</li> </ul>
<p><b>DR DENIS WONG CHEE KEONG</b></p> <p>Email me at: <a href="mailto:deniswong@utar.edu.my">deniswong@utar.edu.my</a></p> <p>View my CV at:  <a href="http://www.utar.edu.my/cv/index.jsp?cv=deniswong&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=deniswong&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"> <li>• Algebra</li> </ul>
<p><b>DR PAN WEI YEING</b></p> <p>Email me at: <a href="mailto:panwy@utar.edu.my">panwy@utar.edu.my</a></p> <p>View my CV at:  <a href="http://www.utar.edu.my/cv/index.jsp?cv=panwy&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=panwy&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"> <li>• Applied and Computational Statistics</li> </ul>
<p><b>DR WONG VOON HEE</b></p> <p>Email me at: <a href="mailto:wongvh@utar.edu.my">wongvh@utar.edu.my</a></p> <p>View my CV at:  <a href="http://www.utar.edu.my/cv/index.jsp?cv=wongvh&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=wongvh&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"> <li>• Probability</li> <li>• Statistical Process Control (SPC)</li> <li>• Statistical Quality Control (SQC)</li> </ul>
<p><b>DR CHUA KUAN CHIN</b></p> <p>Email me at: <a href="mailto:chuakc@utar.edu.my">chuakc@utar.edu.my</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"> <li>• Probabilistic Distribution Theory</li> <li>• Statistical Computation and Simulation</li> <li>• Statistical Data Analysis</li> </ul>



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<p><b>DR CHEN HUEY VOON</b></p> <p><b>Email me at:</b> <a href="mailto:chenhv@utar.edu.my">chenhv@utar.edu.my</a></p> <p><b>View my CV at:</b> <a href="http://www.utar.edu.my/cv/index.jsp?cv=chenhv&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=chenhv&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"><li>• Combinatorics</li><li>• Mathematics</li></ul>
<p><b>DR LIEW HOW HUI</b></p> <p><b>Email me at:</b> <a href="mailto:liewhh@utar.edu.my">liewhh@utar.edu.my</a></p> <p><b>View my CV at:</b> <a href="http://www.utar.edu.my/cv/index.jsp?cv=liewhh&amp;reqPageId=aboutMe">http://www.utar.edu.my/cv/index.jsp?cv=liewhh&amp;reqPageId=aboutMe</a></p>	<p><b>RESEARCH AREA / EXPERTISE</b></p> <ul style="list-style-type: none"><li>• LaTeX mathematical typesetting</li><li>• python programming skill</li></ul>

