



**UNIVERSITI TEKNOLOGI MARA**

**JMC632: GEMMOLOGY - DIAMOND**

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| <b>Course Name (English)</b>  | GEMMOLOGY - DIAMOND <b>APPROVED</b>  |   |
| <b>Course Code</b>            | JMC632   |   |
| <b>MQF Credit</b>             | 2  |   |
| <b>Course Description</b>     | The course introduces the students to study the science and technical knowledge in the entire spectrum of diamonds. The students are able to grade diamonds efficiently and consistently through an extensive practice. The course includes the used of gemological testing equipments such as diamond tester, microscope and dichroscope. |   |
| <b>Transferable Skills</b>    | 1. To evaluate the student ability in judging and grading diamond using gemological equipment. (C-1)<br>2. To evaluate the student ability in understanding of diamond value by using 4Cs (Color, Clarity, Cut, and Carat Weight). (P-4)<br>3. To evaluate the student ability in level of confidence during sales presentation. (A-4)     |   |
| <b>Teaching Methodologies</b> | Lectures, Lab Work, Demonstrations, Practical Classes  |   |
| <b>CLO</b>                    | CLO1 Distinguish diamond characteristics based on gemmology procedures.<br>CLO2 Differentiate diamond categories among natural, synthetic and simulant using lab instrument.<br>CLO3 Demonstrate work ethics in 4Cs diamond grading.   |   |
| <b>Pre-Requisite Courses</b>  | No course recommendations  |   |
| <b>Reading List</b>           | <b>Reference Book Resources</b>  | <ul style="list-style-type: none"> <li>• 1. Judith Crowe. 2006. <i>The Jeweler's Directory Of Gemstone By Crowe., A Firefly Book New York.</i></li> <li>• 2. Vicky Paterson. 2005. <i>Diamonds., A Firefly Book London</i></li> <li>• 3. Peter G.Read. 2000. <i>Gemmology., Butterworth-Heinemann Oxford.</i></li> <li>• 4. Cally Hall. 2000. <i>Gemstones., Dorling Kindersley Hand Book.</i></li> </ul> |
| <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  |   |