

# Contents

<b>Schedule of Assessed Exercises</b>	<b>3</b>
<b>Introduction To Database Design (Course Aims &amp; Objectives)</b>	<b>5</b>
<b>Initial Data in the Table “Studrec”</b>	<b>8</b>
<b>Reading List</b>	<b>9</b>
<b>Understanding Database Terminology</b>	<b>12</b>
<b>Working with Tables</b>	<b>15</b>
Exercise 1: Amending the Structure of a Table, Adding and Deleting data)	<b>32</b>
<b>Boolean Logic &amp; Queries</b>	<b>33</b>
Exercise 2: Designing Queries	<b>50</b>
<b>Reports</b>	<b>52</b>
Exercise 3: Designing Reports	<b>79</b>
<b>Forms</b>	<b>82</b>
Exercise 4: Designing Forms	<b>109</b>
<b>Macros, More Forms &amp; Tailoring a Database</b>	<b>112</b>
Exercise 5.1: Creating A Form with Command Buttons	<b>136</b>
Exercise 5.2: Developing a User Front End	<b>151</b>
<b>Essential Relational Technique &amp; Theory</b>	<b>152</b>
Exercise 6: Creating a Simple Relational Database	<b>176</b>
<b>Extending the Design of a Relational Database</b>	<b>179</b>
Exercise 7.1: Creating Class Lists (Registers)	<b>192</b>
Exercise 7.2: Creating Nested forms	<b>211</b>
Exercies 7.3: Designing and documenting a user interface	<b>219</b>
<b>Extending the Scope of the Student Record System: A Brief Look at the Entity Relational Model</b>	<b>220</b>
Exercise 8: Using Entity Modelling	<b>226</b>



<b>Data Warehousing</b>	<b>227</b>
<b>Exercise 9: Report on Database Options</b>	<b>241</b>
<b>Structured Query Language and Access</b>	<b>242</b>
Exercise 10: SQL Select Statements	<b>282</b>
<b>Appendix A: Input Masks and Validation Rules</b>	<b>283</b>
<b>Appendix B: The Visual Basic Code used to embed     SQL Statements</b>	<b>286</b>

